

AMPCO

CONTRACTING, INC.

17991 Cowan Irvine, CA 92614
949-955-2255

CAROUSEL MALL DEMOLITION PROJECT

REQUEST FOR PROPOSAL

City of San Bernardino
Attn: Alex Qishta, P.E.
201 N E Street, Suite 200
San Bernardino, CA 92401

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Irvine, Ca 92614

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September 25, 2022

To: City Council of the City of San Bernardino

Subject: Transmittal Cover Letter

To Whom It May Concern,

AMPCO Contracting is proposing to provide design-build services for the demolition of the Carousel Mall, also known as Central City Mall. AMPCO Contracting, acting as a Design Build Entity, partnered with Thornton Tomasetti, shall offer engineering, abatement, and demolition services which will far exceed all program requirements.

AMPCO Contracting, Inc. is a multi-trade turnkey site preparation/Demolition contractor who has been in business for over 18 years and has completed numerous high-profile projects throughout California including numerous projects in San Bernardino County and has been recently ranked by ENR Magazine as one of the top ten demolition and abatement contractors in the country. AMPCO self-performs its own Demolition, Abatement and Earthwork. With these three trades being self-performed, AMPCO can strategically schedule, coordinate and overlap the project tasks daily to save time on the overall schedule and facilitate a seamless and productive workflow onsite without interruptions. Attention to detail, along with an experienced project management team allow the work to be completed safely and timely.

AMPCO holds a General Engineering Class A license, as well as a General Contracting B license, in addition to a Class C-21 Building Moving Demolition license. Working with and managing several subcontractors is a common occurrence with many of our projects. We have fostered and maintained many relationships with subcontractors and material suppliers to facilitate the needs of our work. Lead times and procurement schedules are discussed and confirmed with all subcontractors and vendors to properly plan and schedule the work. You, like us, know that time is of the essence. With a detailed Purchase Order and Subcontract Agreement, we set expectations and terms with our vendors and subcontractors.

Thornton Tomasetti, Inc., is a multi-practice firm that optimizes the deconstruction, design and performance of structures, materials and systems for projects of every size and level of complexity. An employee-owned organization of engineers, scientists, architects and other professionals collaborating from offices worldwide, they support clients by drawing on the diverse expertise of their integrated practices. With over 70 years of being in business and more than 90,000 projects, Thornton Tomasetti has significant experience in nearly every market sector and is well-positioned to address any engineering concerns throughout the deconstruction process.

Additionally, Thornton Tomasetti's experience in design and forensics combined with industry-leading knowledge in modeling and simulation gives us unequalled expertise in deconstruction engineering. Thornton Tomasetti's professionals develop highly accurate models of structural behavior to assess and reduce vulnerability and risk during implosion, deconstruction or dismantlement. They help demolition contractors by providing engineering reviews, calculating debris footprints, analyzing stresses and vibrations, and helping to develop safe and efficient demolition scenarios and logistics plans. With a deep understanding of every single step of the construction process, the properties of and interactions among building elements, Thornton Tomasetti provides useful insights into the demolition process, particularly in the case of unusual geometries, materials or loads. They have pioneered the use of NLFlex for modeling demolitions. Developed in-house (in collaboration with the United States Department of Defense), NLFlex was created to predict blast and progressive collapse scenarios. Its results have been thoroughly validated against physical test data and has become an excellent tool to model demolitions.

Executive Summary

AMPCO Contracting is proposing to provide design-build services for the demolition of the Carousel Mall, also known as Central City Mall. AMPCO Contracting, acting as a Design Build Entity, partnered with Thornton Tomasetti, shall offer engineering, abatement, and demolition services.

General Description of Design-Build Services:

Phase 1: - Initial Hazardous Materials Survey Report and Pre-Demolition Engineering:

- Prepare asbestos and lead report.
- Prepare an engineered demolition plan, including preliminary schematic drawings.
- Determine extent of vibration monitoring and mitigation steps required during demolition.
- Determine any required post demolition inspection efforts of Harris, Enterprise, and Parking Structure.

Phase 2: - Make Ready:

- File Permits and Notifications:
 - Rule 1403 Notification of Asbestos Removal and Demolition.
 - Title 8 CCR Section 5203 Temporary Worksite Notification (Report of Regulated Carcinogen Use including Asbestos-Related Work) to Cal/OSHA.
 - Submit Demolition Permit application, plans and supporting documents to City of San Bernardino for plan check review and approval to issue permit for the demolition of the buildings.
- Utilities Disconnection and Safe-off.
- Site Preparation:
 - Apply for temporary hydrant meter
 - Install temporary construction fence with wind screen around perimeter of the site for site security.
 - Install jobsite office container/trailer, storage container(s), roll-off trash bin, temporary toilets and sinks at laydown area.
 - Install jobsite signage throughout the site.
 - Provide engineered SWPPP with Erosion Control Plan.
 - Install erosion control best management practices (BMPs) throughout site.

Phase 3: - Abatement & Interior Demolition:

- Hazardous Material Abatement and Disposal.
- Removal of Universal Waste.
- Interior Demolition of any areas not impacted by Hazardous Materials.

Phase 4: - Above Grade Demolition:

- Building Structures
- Bridges

Phase 5: - Below-Grade Excavation & Demolition:

- Building Slab
- Building Continuous & Spread Footings
- Excavate and remove any retaining walls, footings, and column spread footings.

Phase 6: - Site Improvements:

- Demolish and remove concrete and asphalt paving, curbs, and gutters as necessary to accommodate a 40' easement/boundary around the perimeter of the Carousel Mall and on-site Structures to demolish walls, footings, and foundations.
- Excavate and remove underground utilities within the building footprints.
- Cap sewer lateral(s) at the property line. Record as-built location and depth.
- Grade and compact soil on site as needed for backfill and grading of voids created from removal of Basements, building foundations and underground utilities.
- Final grading to provide site drainage per the requirements of the SWPPP to provide drainage towards the "pit" left behind from demolition since no material is to be left on site or imported from outside of the jobsite.

AMPCO will assume and provide 24/7/365 days security of the mall upon approval of the demolition proposal by the Mayor and Council of the City of San Bernardino.

Proposed Scope of Services

AMPCO Contracting, Inc. acting as a Design-Build Entity shall function “at risk” for full and satisfactory completion of the Carousel Mall demolition with exception to: Harris Building, Fairview Chevrolet, Enterprise Building, and the Mall Parking Structure, in coordination with:

1. The approved design and construction documents.
2. The required agency approvals.
3. The Project Completion Date.
4. The agreed Lump Sum Price.

Proposed Description of Design-Build Services:

AMPCO Contracting, Inc. shall provide all services necessary to perform the abatement and demolition scopes of work on this project, which include the following:

1. Architectural and engineering design services including:
 - a. Define scope of demolition to determine what extent of buildings, parking lots, and subsurface infrastructure needs to be demolished.
 - b. Review existing Phase 1 site evaluation report for contamination, prepare an updated site evaluation report (“Phase 2”) and prepare an asbestos/lead/hazardous material survey report.
 - c. Prepare hazardous material remediation work plan including SCAQMD Procedure 5 plan for submission and approval as required prior to performing work.
 - d. Engineering and evaluation of the demolition to ensure no conflict with other buildings to remain (Harris Building, Enterprise, Parking Structure.)
 - i. Evaluate and include the demolition of the Carousel Mall from the Harris Department Store building including:
 1. Structural Stability as a result of separation/demolition.
 2. Capping of utilities.
 3. Closing the existing opening between the Carousel Mall and the Harris Building.
 - ii. Evaluate and include the demolition of the Carousel Mall from the Andersen/Enterprise building including:
 1. Structural Stability as a result of separation/demolition.
 2. Capping of utilities.
 3. Closing the existing opening between the Carousel Mall and the Andersen/Enterprise Building.
2. Submit complete cost estimate for the abatement and demolition.
3. Present to the City, demolition plans and submit a construction schedule for that purpose.
4. Provide 24/7/365 days of security of the mall upon approval of the demolition proposal by the Mayor and Council of the City of San Bernardino.
5. Permitting submittal and approvals from local, state, and federal agencies and jurisdictions.
6. Coordination of payment of all fees associated with the permitting and approvals of plans and notifications to the appropriate agencies (including but not limited to The City of San Bernardino, South Coast Air Quality Management District, CAL-OSHA, etc.)
7. Full Construction Management Team including Architects, Engineers, Environmental Consultants, and in-house full-time Project Management.
8. Demolition and Hazardous Materials Abatement of the Carousel Mall, JC Penny Building, Montgomery Ward Building, and two former auto service buildings.
9. Decommissioning of systems and utilities within the footprint of the demolition.
10. Coordination and scheduling work of Design-Build Team and other subcontractors and vendors providing services of design, abatement, and demolition of the Project.
11. All on-site grading and storm water compliance to make safe any voids and grade changes as a result of demolition.
12. Insurance and bonding.
13. Coordination with City representatives as required throughout the project to update progress and address any concerns or issues that may arise during the project.
14. Representation, attendance, and involvement of any community meetings as may be required.



NAME
Andrew Pennor

ROLE
President

SUMMARY OF EXPERIENCE

Licensed Contractor in the State of California, with over 25 years of experience. Currently serving on the Board of Directors for several companies Andrew founded and that are currently active. Andrew has grown multiple companies from one employee to over 400 employees grossing over \$130 million in annual sales. He has the ability to manage all facets of the business from operations, project management, sales, marketing, accounting, and estimating within the Demolition, Asbestos Abatement and Earthwork Industries.

PROJECTS

- **THE PORSCHE EXPERIENCE CENTER**
LANDFILL REMEDIATION
METHANE GAS COLLECTION SYSTEM
ABATEMENT, DEMOLITION-SITE CLEARING AND
EARTHWORK
- **SAN JOAQUIN PLAZA**
DEMOLITIONS (SITE CLEAR), MASS EXCAVATION
EXPORT OF 250,000 CY & BACKFILL 100,000 CY
- **TALARIA**
EARTHWORK
- **CULVER STUDIOS**
SWINERTON - LOS ANGELES, CA
- **GOOGLE HERCULES HANGER**
ABATEMENT & DEMOLITION - LOS ANGELES, CA
- **PORSCHE TRAINING CENTER -**
MULTI-PHASE - CARSON, CA
- **CITRUS HEIGHTS CITY HALL -** ABATEMENT &
DEMOLITION - CITRUS HEIGHTS, CA
- **CALIFORNIA HIGH SCHOOL**
ABATEMENT, LEAD, DEMO. & EARTHWORK, -
WHITTIER, CA
- **MARYWOOD HILLS (JUN 2016) -** ABATEMENT,
LEAD AND DEMOLITION - ORANGE, CA

CHARITY / PHILANTHROPY

- City of Hope
- CIA
Board of Directors

PROFESSIONAL EXPERIENCE

- **OWNER / BOARD OF DIRECTORS**
AMPCO CONTRACTING, INC.
AMPCO NORTH, INC.
AMPCO SPG
EARTHSCAPES INC.
KML SERVICES, INC.
REDWOOD DEVELOPMENT LLC.
IMPERIAL EQUIPMENT
- **AMPCO CONTRACTING, INC.**
PRESIDENT
2004 - CURRENT
- **UNION ENVIRONMENTAL, INC**
EXECUTIVE VICE PRESIDENT
ANAHEIM, CA.
2002 - 2004

PROFICIENCIES

- MANAGED ALL FIELD OPERATIONS, SAFETY, AND CONTRACT PERFORMANCE. ESTIMATED PROJECTS. MANAGED AND DIRECTED ALL ASPECTS OF THE ACCOUNTING, SALES, AND MARKETING DEPARTMENTS. MANAGED AND OVERSAW THE DEMOLITION, ASBESTOS, EARTHWORK, ENVIRONMENTAL, POWER, AND SITE CLEARING DEPARTMENTS. STARTED AND COMPLETED OVER 300 COMMERCIAL DEMOLITION, EARTHWORK, SITE UTILITIES AND ASBESTOS ABATEMENT PROJECTS

EDUCATION, LICENSES, REGISTRATIONS & TRAINING

- **STATE OF CALIFORNIA CONTRACTOR**
LICENSE A, B, C-21, C-22, ASB, HAZ, DOSH
- OSHA 30
- First Aid & CPR
- **Orange Coast College**
Major: Construction Management



NAME
Reggie Kama

ROLE
Chief Operations Officer

SUMMARY OF EXPERIENCE

For the past two years I have been the Chief Operations Officer for AMPCO Contracting, a General Contractor specializing in demolition, environmental abatement and earthwork leading and managing the Operations department. For the eight years prior, I was the lead Project Manager for AMPCO. In my time here, my skills and experience have contributed to the company's success, which has grown from \$15M to \$60M in annual revenue.

PROJECT EXPERIENCE

- **Palomar Heights - Integral Communities**
Escondido, CA
- **County of Orange Building 14 - Swinerton Builders**
SANTA ANA, CA
- **BOEING Phase 2 and 3 - Sares Regis Group**
HUNTINGTON BEACH, CA
- **Orange County Great Parks - Five Point Communities/City of Irvine**
Irvine, CA
- **Google Spruce Goose - Matt Construction**
Los Angeles, CA
- **Pratt Whitney Rocketdyne - C.W. Driver**
Canoga Park, CA
- **Arden Way Demolition - Safeway LLC**
El Monte, CA
- **Agnews Demolition - City of San Jose**
San Jose, CA
- **Christ Cathedral- Cannon Building Services**
Garden Grove, CA
- **Anaheim Concourse - Pannattoni Development**
Anaheim, CA

PROFESSIONAL EXPERIENCE

- **AMPCO Contracting, Inc.** Chief
Operations Officer AUG 2020 - Present
Senior Project Manager JUL 2015 - AUG 2020
Project Manager AUG 2012 - JUL 2015
- **Union Environmental, Inc.**
Project Manager APR 2009 - APR 2012
Project Engineer MAY 2007 - APR 2009
- **Beacon Site Developers, Inc.**
Project Manager AUG 2009 - APR 2012

TECHNICAL PROFICIENCIES

- EXTENSIVE COMPUTER SKILLS, INCLUDING FOUNDATION, B2W ESTIMATING & TRACK, ONSCREEN TAKEOFF, BLUEBEAM, MS OFFICE, PROJECT.

EDUCATION, LICENSES, REGISTRATIONS & ACCOMPLISHMENTS

- Colorado State University, BFA - 2004
- OSHA 30 Hour Construction License 9534146
- South Coast Air Quality Management District Fugitive Dust Control Certification License SC13-04-4996
- South Coast Air Quality Management District Rule 1403 Certification License 374864
- G3 GHS for Managers, Supervisors, Safety Personnel License 9879897



NAME
Michael Donnelly

ROLE
Project Manager

PROFESSIONAL EXPERIENCE

- | | |
|--|-------------------------------------|
| AMPCO CONTRACTING
PROJECT MANAGER | ANAHEIM, CA
1/2019-PRESENT |
| <ul style="list-style-type: none"> • Performed scheduling and managed deliveries for 5+ projects at a time • Coordinate project precon meetings, draft project submittals, and work plans. • Negotiate subcontracts and pricing for subcontractors and vendors for each project. • Reviewed contracts and changes to the contracts for each project • Organized and managed monthly meetings for the company • Perform budget and cost analysis of each project. • Review billing and invoicing for subcontractors and vendors | |
| HOME BEACH DESIGNS
PROJECT MANAGER/SUPER. | HERMOSO BEACH, CA
9/2015-12/2018 |
| <ul style="list-style-type: none"> • Supervise, schedule trades/subcontractors, quality control, and inspection sign-off for 5+ residential and commercial building projects annually. • Estimates, project buyouts, and contract/change order negotiation for proposed projects. • Design, layout, install procedure for structural & Finish scope of all projects. • Review/approve subcontractor billings every month for each project. • Provide/schedule material deliveries for all trades. • Construction plans & permit submittal/corrections to obtain city approval. | |
| LANDMARK DIVIDEND LLC
VICE PRES. OF ACQUISITIONS | EL SEGUNDO, CA
10/2012-08/2015 |
| <ul style="list-style-type: none"> • Closed over \$5 Million in business with 25+ acquired billboard and cellular easements. • Developed, managed and accurately forecasted personal sales acquisition pipeline of over 300+ accounts. • Performed 100+ ground lease review and analysis in order to place a valuation and purchase price for individual assets. • Managed transactions from inception THROUGH CLOSING. PERFORMED LEASE REVIEW, PRICING EVALUATION, PROPOSAL SUBMISSION, AND CONTRACT NEGOTIATIONS. | |
| ... | |

EDUCATION, LICENSES, REGISTRATIONS & TRAINING

- OSHA 30-hour License
- First Aid, CPR & AED Certificate
- RRP Lead Certification
- Confined Space Safety Certification
- **CONSTRUCTION/BUILDING SKILLS:**
General Contracting; All Trade Plan Reading; take off/estimating; Structural Framing; Interior Design; Residential/Commercial Building; Project Supervision/Management; Interior/Utility/Site-Clear Demolition; Abatement; Grading; Cost Projection, Contract/Change Order Draft & Review.
- **FINANCE SKILLS:**
Accounts Payable/Receivable; Intimate with Quickbooks & Foundation; Experience with Textura; Budget & Expense Forecasting; Payroll & Human Resources; Certified Payroll.
- **SALES SKILLS:**
Pipeline Management; CRM Software; Asset Prospecting; Client Relations; Account Forecasting; Communication; Negotiation
- **MANAGEMENT SKILLS:**
Project Management & Supervision; Contract Administration; Labor Compliance.
- **ADDITIONAL COMPUTER SKILLS:**
Expert in Microsoft Office Suite including Excel, Project, Power Point, Word, and Visio; Experience with Share-point Servers; Expert Computer Technician including hardware configuration and software installation for computers, servers and printers.



NAME
Adrian Moreno

ROLE
Demolition
Superintendent

SUMMARY OF EXPERIENCE

Over 25 years of demolition experience in infrastructure, airports, freeways, public works projects, design-build, government and housing.

PROJECT EXPERIENCE

Boeing Phase 2
Huntington Beach, CA

Palomar Heights
Escondido, CA

Egyptian Theatre
Hollywood, CA

**Orange County Great Park Runway
Ph2 Demo & Crushing**
Irvine, CA

**Former R.H Dana Middle School
Wiseburn USD**
El Segundo, CA

County Building 14
Santa Ana, CA

EDUCATION, LICENSES, REGISTRATIONS & TRAINING

- First Aid, CPR & AED
- Lock-out / Tag-out
- Fall Protection
- Trenching / Excavation
- Demolition Safety
- Silica Dust
- Job Hazard Analysis

PROFESSIONAL EXPERIENCE

• AMPCO Contracting, Inc.

Superintendent	AUG 2020 - Present
Demo Foreman	JUN 2015 - AUG 2020

• NCM Operator	MAR 2011 - JUN 2015
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• CST Environmental Demo and Abatement Laborer	JUN 2007 - APR 2011
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PROFICIENCIES

• Construction/Building Skills:

General Contracting, all trade plan reading, Residential/Commercial Building; Project Supervision/Management, Interior/Utility/Site-Clear Demolition, Abatement, Grading, Cost Projection, Contract/Change Order Draft & Review

• Finance Skills:

Budget & Expense Forecasting

• Management Skills:

Project Management & Supervision; Contract Administration, Labor, safety and environmental compliance.



NAME

Matthew Suiter

ROLE

Health & Safety Director

SUMMARY OF EXPERIENCE

AMPCO is a Flagship company in the construction industry, leading the way with its focus on health and safety. I have 30 years' experience in construction and management completing projects in the public, private and federal industry. Specializing in the demolition field I have completed projects requiring hazardous materials abatement, structural demolition, coordination of multiple trades and, of course, safety. The last 11 of those years have been dedicated to developing and managing health and safety programs as a member of the Health and Safety Committee. I am proud to be a part of a company so committed to the health and well-being of its employees.

This safety role is to implement the company's safety plan by continuing to update and expand the IIPP, provide on-site training, manage documentation, audit job sites for safety compliance, manage loss prevention, draft and review site specific safety work plans, manage and consult on workers compensation needs, coordinate with employees, subcontractors and ownership on all aspects of the expectations for a safe working environment.

PROFESSIONAL EXPERIENCE

AMPCO Contracting, Inc. -

Safety Officer

February 2022 – Current

Suiter's Landscape Management -

May 2017-February 2022

AMPCO North, Inc -

Safety Officer

August 2015 – May 2017

AMPCO Contracting -

Safety Officer

April 2008-August 2015

PROJECT EXPERIENCE

- **Boeing Huntington Beach** - Sares Regis Group Abatement & Demolition, LOS ANGELES, CA
- **Palomar Heights** - Integral Communities Demolition, Escondido, CA
- **San Manuel Landing** - Trammell Crow Earthwork, Highland, CA
- **CITRUS HEIGHTS CITY HALL** - Abatement & Demolition, Citrus Heights, CA
- **CALIFORNIA HIGH SCHOOL** - ABATEMENT, LEAD, DEMO. & EARTHWORK, WHITTIER, CA

Education, Licenses, Registrations & Training

- OSHA 30
- First Aid / CPR Certified
- 40 HR Asbestos Contractor / Supervisor
- 40 HR CDPH Lead Supervisor
- 40 HR Hazwoper Site Worker
- Fall Protection
- Heat Illness Prevention
- Lock-Out Tag-Out
- Hearing Conservation
- Advanced Cal Flagger for Construction
- Forklift Operator
- Skid Steer Operator
- Aerial Lift operator

ALI ASHRAFI, PH.D., P.E., LEED AP

Principal



Summary

Ali Ashrafi joined Thornton Tomasetti in 2006 and is a member of our Forensics practice and its Advanced Analytics group. He has extensive experience in structural design and modifications, seismic and wind performance-based design, advanced analytics, nonlinear and dynamic analysis, deconstruction engineering, emergency response and forensic investigation.

Education

- Ph.D., Civil Engineering, 2006, Columbia University
- M.Sc., Civil Engineering, 2003, New Jersey Institute of Technology
- B.Sc., Civil Engineering, 2000, Sharif University of Technology

Registrations

- Licensed Professional Engineer in CA

Professional activities

- Vice-chair, Fire Protection Committee of American Society of Civil Engineers
- Member, Dynamics Committee, American Society of Civil Engineers
- Member, Structural Health Monitoring and Control Committee, American Society of Civil Engineers
- Member, Fire Codes Committee, ACEC Metro Region
- Member, American Institute of Steel Construction
- Reviewer, Mechanical Systems and Signal Processing
- Reviewer, Journal of Engineering Mechanics
- Reviewer, Journal of Performance of Constructed Facilities
- Reviewer, Journal of Geotechnical and Geoenvironmental Engineering
- Reviewer, Journal of Fire Safety

Select project experience

680 Madison Avenue, New York, NY. Structural engineering services during demolition and reconstruction of portions of a 17-story residential building. Design of shoring was provided to ensure stability of the building during construction. The construction includes major demolition of multiple floors at the base of the structure while stabilizing the superstructure.

1 Madison Avenue, New York, NY. Structural engineering for safe demolition of a significant portion of the existing 16-story reinforced concrete building to allow for improved geometry, introduction of new concrete core, and addition of floors on top of the buildings. The demolition work is sequenced to allow for simultaneous progress of the new construction and to maintain integrity of the parts of the building that remain. The design also ensures safety of adjacent historic buildings and MTA facilities.

Manhattanville, New York, NY. Deconstruction engineering services and on-site work related to planning, engineering and building deconstruction of numerous existing buildings. Scope included evaluation and analysis of key aspects of the current as-built conditions to review the adequacy of both the gravity and lateral designs as they related to the means and methods of deconstruction and for compliance to local, state and federal codes.

Queens Detention Center, Queens, NY. Hard demolition consulting services for the detention center in Queens. The scope includes the full demolition of the detention center. Oversaw the structural analyses to evaluate the capacity of the existing gravity system for construction and mechanical equipment loads. Assisted in investigating the demolition sequence, coordination, and generation of drawings for filing and permit purposes.

321 E 13th Street, New York, NY. Structural engineering services for safe demolition of a 14-story reinforced concrete building. The design also ensures safety of adjacent buildings and MTA facilities.

341-347 Madison Avenue, New York, NY. Structural engineering services for safe demolition of three side-by-side existing building with steel framing and concrete floors. The design also ensures safety of adjacent buildings and MTA facilities.

405 Park Avenue, New York, NY. Structural engineering services for safe demolition of the existing 17-story steel structure with concrete floors. The design also ensures safety of adjacent buildings and MTA facilities.

Thornton Tomasetti

CHUKWUMA EKWUEME, PH.D., P.E., S.E., LEED AP

Principal



Summary

Dr. Chukwuma Ekwueme is a principal in the Structural Engineering practice. In a career spanning some three decades, he has developed an extensive background in the design and analysis of a wide variety of structure types and materials. Chukwuma is skilled in the analysis and design of earthquake-resistant structures and is adept at improving structural performance by using advanced technology such as base isolation, external dampers and fiber-reinforced composites. He has provided failure-analysis and expert-witness support for numerous projects, including the World Trade Center collapse in New York City. Chukwuma is also a lecturer in the Department of Civil and Environmental Engineering at the University of California, Los Angeles where he teaches courses on reinforced concrete and masonry design.

Education

- Ph.D., Civil Engineering (Structural Engineering Concentration), 1994, University of California, Los Angeles
- Engr., (Degree of Engineer), 1992, University of California, Los Angeles
- M.S., Civil Engineering (Structural and Earthquake Engineering Concentration), 1990, University of California, Los Angeles
- B.Eng., Civil Engineering, 1987, University of Nigeria

Registrations

- Licensed Structural Engineer in CA
- Licensed Professional Engineer in CA
- LEED AP
- Certified DSA Structural Plan Reviewer

Professional activities

- Member, Structural Engineering Institute
- Member, Structural Engineers Association of California
- Voting Member, TMS 402/602 Main Committee, The Masonry Society
- Past Member, Passive Energy Dissipation Committee, Existing Buildings Committee, Structural Engineers Association of California
- Member, American Concrete Institute

Select project experience

Grauman's Egyptian Theatre, Demolition, Hollywood, CA. Demolition engineering for a historic theater undergoing major renovations. Project scope includes a structural assessment focused on concrete topping slabs and subsequent design recommendations and a demolition plan to ensure safe removal.

City of Beverly Hills, Coldwater Canyon Reservoir and Park, Excavation Review, Beverly Hills, CA. Structural review of the design of the temporary support of excavation for an 8.3-million-gallon reservoir. A new park with an all-weather track, drought tolerant landscaping and numerous hiking trails was placed above the reservoir.

San Diego FBI Field Office Complex, San Diego, CA. Structural, seismic and blast engineering for a six-story office building of approximately 235,000 square feet; a 30,000-square-foot, one-story annex; a six-story, 130,000-square-foot parking facility; and a 90-foot pedestrian bridge that connects the parking structure to the office building.

Italian Hall at El Pueblo de Los Angeles National Monument, Los Angeles, CA. Structural engineering for the renovation and upgrade of Italian Hall at El Pueblo de Los Angeles National Monument to obtain a certificate of occupancy, and design of the seismic strengthening of the building's south wall utilizing a performance-based design approach.

419 S. Spring Street, Los Angeles, CA. Structural engineering for the renovation and seismic upgrade of a 14-story historical building. Structural alterations involved the removal of portions of the slab above the fourth floor to create a light well that will allow for natural ventilation and light in all hotel rooms.

The French Market, West Hollywood, CA. Structural engineering for a four-story, 195,000-square-foot, mixed-use building housing three levels of creative office space with outdoor terraces as well as a lobby, restaurants, retail, additional offices and storage at ground level. The building will incorporate portions of a historic structure that will be suspended above two subterranean levels.

5405 Jandy Place, Los Angeles, CA. Structural engineering for the adaptive reuse of an existing warehouse building to a 63,000-square-foot creative office space. The renovations encompass removing the existing mezzanine and adding a second floor with multiple openings to the ground floor.

ALBERTO CUEVAS, PH.D.

Vice President



Summary

Alberto Cuevas has been involved with the design, assessment, deconstruction, retrofit, inspection and peer review of low-to-mid-rise commercial, residential, industrial, hospital, office and education buildings, and with the design of telecommunications infrastructure. He has worked on projects in various countries, including Costa Rica, New Zealand, United States and Mexico. His expertise in design, assessment and deconstruction focuses on steel, reinforced concrete and masonry structures. Alberto is proficient in linear and nonlinear analysis of structures and in nonlinear finite micro-element modeling of structural components. He also serves as an expert for the Bulletin of Earthquake Engineering, where he provides peer reviews for various papers related to earthquake engineering prior to publishing. Alberto is fluent in both Spanish and English.

Education

- Ph.D., Civil Engineering, 2019, University of Canterbury, New Zealand
- M.S., Earthquake Engineering & Engineering Seismology, 2013, Rose School / University of Pavia
- B.E., Civil Engineering (with Honors), 2002, University of Costa Rica

Registrations

- Licensed Civil Engineer in Costa Rica

Professional activities

- Member, American Society of Civil Engineers
- Member, Rotary Club of Downtown Los Angeles
- Peer reviewer, Bulletin of Earthquake Engineering

Select project experience

City of Santa Monica, Parking Structure 3, Santa Monica, CA. Demolition engineering for the three-phase demolition of a parking structure located on a major street. The City plans to use the space for future affordable housing. The team coordinated with the city to close off areas to the public as needed and provided safety recommendations and temporary shoring design to avoid debris fall-out on nearby structures and ensure lateral stability.

Grauman's Egyptian Theatre, Demolition, Hollywood, CA. Demolition engineering for a historic theater undergoing major renovations. Project scope includes a structural assessment focused on concrete topping slabs and subsequent design recommendations and a demolition plan to ensure safe removal.

Arecibo Radio Telescope, Arecibo, PRI. Development of procedures for failed replacement of several ruptured cables and, upon collapse, provided clean-up services to restore the site to a safe working condition and investigated the cause of the collapse.

Demolition of Duke Energy, Asheville Plant, Asheville, NC.

Implosion analyses to evaluate the implosion plan and predict the ground vibrations due to simultaneous implosion of boiler units #1 and #2. Our recommendations resulted in changing the plan from explosive felling to mechanical deconstruction. Our analyses were vital to mitigating the risks to adjacent assets and managing the safety of the demolition of the two boiler units.

Confidential Investigation, Confidential Location. Forensic services during the investigation of a post-tensioned concrete roof slab that exhibited cracking and leaked. The two-story building utilizes its roof slab for car storage. The scope of work included analysis and calculations to determine if the slab design was code compliant; to determine the likely cause of cracking; to evaluate the structural integrity of the slab; and to provide slab repair recommendations.

Confidential Investigation, Confidential Location. Forensic investigation to determine the extent of damage to an existing building due to adjacent recent construction. Scope included the assessment of the structural integrity of building components and repair recommendations to correct the damage.

Confidential Project, Various Locations, MEX. Structural engineering for damage assessment, repair and retrofit for several buildings damaged by an earthquake. Services included scope of damage, intrusive and non-intrusive investigations, post-earthquake seismic evaluation and analysis and design of conceptual and detailed retrofit projects.

Confidential Crane Collapse, Confidential Location. Consulting during the investigation of a crane collapse at a confidential construction site. The crane was starting the breakdown procedure when the main and luffing boom collapsed.

University of California, Irvine, Seismic Evaluations, Irvine, CA. Seismic building evaluations for more than 100 academic, residential and administrative buildings across the UCI Campus, UCI Medical Center and associated properties. A portion of the surveys included adhere to ASCE 41-17, Tier 1 or FEMA P154 seismic evaluation standards. The scope also includes peer review services.

Thornton Tomasetti

NICHOLAS KATSANDONIS, P.E.

Associate



Summary

Nicholas Katsandonis is an Associate in the Forensic practice at Thornton Tomasetti's New York office. Nicholas joined Thornton Tomasetti in 2018 with experience in structural analysis in both concrete and steel structures for commercial and residential high-rise buildings. While at Thornton Tomasetti, Nicholas has gained experience in demolition engineering, structural stabilization, building condition assessments and structural failure investigations.

Education

- M.S., Structural Engineering, 2014, Columbia University
- B.S., Civil Engineering, 2012, Technological Education Institute of Piraeus

Registration

- Licensed Professional Engineer in NY

Select project experience

One Madison Avenue, New York, NY. Hard demolition consulting services for mid-rise in New York City. The scope included the demolition of the top six floors and a large core throughout the building which would allow the construction of the new core supporting the new steel structure built above the existing structure. Performed detailed structural analyses to evaluate the capacity of the existing gravity and lateral system for temporary conditions and construction loads. Designed and detailed temporary bracing and shoring systems as needed to maintain the structural integrity of the structure during work. Responsible for investigating the demolition sequence, coordination, and generation of drawings for filing and permit purposes. Conducted routine field inspections and special inspections as required by the Department of Buildings. Provided contractor support during demolition work.

Confidential Infrastructure Project, New York, NY. Sustainability, structural engineering, and protective design for proposed major transportation hub. Responsible for designing temporary protection platforms for the public and construction crews during crane operations and investigating a conceptual crane staging sequence for deconstruction of parts of the existing building. Investigated steel erection schemes including the design of temporary trusses to support the structure while removing portions of the building. Performed structural analysis of existing underground structures for impact due to crane loads.

One James River Plaza, Richmond, VA. Hard demolition consulting services for 22-story structure. Scope included the mechanical demolition of the plaza and two sub-grade levels outside of the main tower outline to allow the implosion of the main tower. Analyzed the lateral stability and integrity of the remaining tower structure for applicable wind loads, assessed the capacity of slabs and existing structural framing, and investigated feasibility of structure weakening strategies pre-implosion. Assisted in analyzing the existing structure for imposed machinery loads. Responsible for generation of drawings for construction purposes.

341, 343, 347 Madison Avenue, New York, NY. Hard demolition consulting services for mid-rise buildings in New York City. The scope includes the full demolition of all three buildings to allow the construction of a new tower. Performed detailed structural analyses to evaluate the capacity of the existing gravity system for construction and mechanical equipment loads. Responsible for investigating the demolition sequence, coordination, and generation of drawings for filing and permit purposes. Conducting routine field inspections and special inspections as required by the Department of Buildings. Providing contractor support during demolition work.

Queens Detention Center, Queens, NY. Hard demolition consulting services for the detention center in Queens. The scope includes the full demolition of the detention center. Oversaw the structural analyses to evaluate the capacity of the existing gravity system for construction and mechanical equipment loads. Assisted in investigating the demolition sequence, coordination, and generation of drawings for filing and permit purposes.

UMass, Student Union Renovation, Amherst, MA. Structural, building envelope, building analysis, and LEED consulting services for the renovation of the 101,000-square-foot student union building. Responsible for analyzing the existing structure against lateral loads to determine structural integrity during demolition work. Designed and detailed temporary cable systems for lateral stability and generated drawings.

Thornton Tomasetti

BRUCE K. ARITA, AIA

Senior Vice President



Summary

Bruce Arita is a forensic architect in Thornton Tomasetti's Western U.S. Region. He has served as architect-of-record for public and private buildings and project developments of diverse scale and complexity throughout Southern California. His specialized expertise includes exterior envelope diagnostics, damage determination (cause and origin), moisture intrusion analysis, property due diligence evaluations and building repair programs. Bruce has been the lead investigator on numerous assignments where expert investigation, consulting, and sworn testimony have been requested.

Areas of Technical Expertise

- Forensic Architecture and Complex Investigations
- Standard of Care
- Technical Architecture

Education

- B.S., Architecture, 1977, California State Polytechnic University

Registrations

- Registered Architect in CA
- Safety Assessment Program (SAP) Evaluator, Post-Earthquake Evaluation of Buildings, California Emergency Management Agency (Cal EMA)

Professional Activities

- Member, American Institute of Architects (AIA)
- Member, International Code Council
- Part-time Instructor, Rancho Santiago College, Architectural Studies, 1983-1993
- Instructor, CAI Education Leadership Training Program, Building Maintenance and Repair, 2004-present

Honors and Awards

- Educator of the Year, CAI Orange County, 2006
- Committee Member of the Year, CAI, 2005

Select Project Experience

Forensic Architecture and Complex Investigations

World Trade Center, Towers 2, 3 and 4 - CAT 90-Sandy, New York, NY. Damage determination and project director for evaluation for three towers in the aftermath of CAT 90-Sandy.

Meat Processing Plant, Fire Response and Claim Evaluation,

Cudahy, WI. Detailed structural and architectural evaluation and documentation of fire damage to a 120-year-old, 1.2-million-square-foot meat-processing plant, including material testing and investigation of process equipment and MEP components throughout the facility.

Royal Hawaiian Theater, Exterior Finish System (EFS)

Investigation, Honolulu, HI. Forensic investigation services for a theater located within a retail center including a site visit and examination of exterior and interior wall conditions, and forensic (invasive) examination of wall assemblies.

Standard of Care

Valley Constr. v. Windsor Creek Apartments, Walnut Creek, CA. Standard of care evaluation regarding architect-of-record for a multi-family residential project.

Newport Nat'l v. Nadel-Ventana, Carlsbad, CA. Expert testimony of architectural standard of care and sufficiency of plans and specifications.

Voskanian Constr. v. Alhambra Unified Sch. Dist.,

Alhambra, CA. Expert evaluation of extra work claims presented by general contractor for work performed at a school site and effect of alleged deficient plans and specifications.

Technical Architecture

City of Ontario Fire Stations 6, 7 and 8, Ontario, CA.* Architectural design services.

City of Ontario, Westwind Park Gymnasium and Park Facilities, Ontario, CA.* Architectural design services.

*Denotes work performed with previous employer.

BRUCE K. ARITA, AIA

Orange County Transportation Agency, Orange, CA. * Roof repair project.

Sworn Testimony

Trial and Deposition, State Restoration, Inc. v. Encino Oaks HOA, et al regarding building code analysis of fire damaged residential structures in Los Angeles, CA. August 2022; July 2022.

Deposition, Sandoval v. HMC Architects, Inc., et al regarding standard of care and performance of architect in connection with design and construction administration of a public works facility in Los Angeles County, CA. September 2021.

Deposition, Northrup Grumman v. AON regarding wind and water damage resulting from Hurricane Katrina. 2016

Deposition, JA Rodeo LLC v. Brackett Constr. regarding architectural details and specifications for a restaurant addition in Beverly Hills, CA. February 2014.

Trial, Valley Constr. v. Windsor Creek Apartments regarding architectural standard of care and sufficiency of plans and details for a multi-story apartment structure in Northern California. August 2013; July 2011.

Deposition, Newport Nat'l v. Nadel-Ventana regarding the standard of care of the architect for two large commercial office buildings in Southern California. September 2010.

Trial and Deposition, Doctors Hospital v. Beazley regarding application of building codes for a hospital facility and extent of damage caused by Hurricane Ike. February 2010; September 2009.

Trial and Deposition, Voskanian Constr. v. Alhambra Unified Sch. Dist. regarding evaluation of extra work claims presented by a general contractor for work performed at a school site and effect of plans and specifications alleged deficient. August 2009; July 2009.

Select Papers, Lectures and Publications

"2020 ICC 600 Standard for Residential Construction in High Wind Regions," code cycle update as Consensus Committee Member (Code Standard). January 2020 (co-author)

"Slaying the Monster - Earthquake Response: A Strategic Blueprint," Presented to Property Insurance Claims Group (PICG) in London, UK. May 2015 (presenter)

"Substance and Subjectivity: Building Codes in America," Presented to FM Global Insurance, Western U.S. Regional meetings. May 2014 (presenter)

"Building Codes and Property Loss Claims - Substance and Subjectivity: Building Codes in America," Presented to London Market Insurers, London, UK. September 2013 (presenter)

"Building Codes and residential Claims – Code Triggers for residential Claims," Presented to AIG Private Client Group, San Diego, CA. February 2012 (presenter)

"Building Code Requirements for Repairs Post Catastrophe," Worley Catastrophe Response Expo, Baton Rouge, LA, February 2008 (presenter)

"Career Choices in Forensic Engineering," Iranian American Society of Civil Engineers, January 2008 (presenter)

"Building Issues and Decay," Keystone Pacific, 2006 (presenter)

"Architectural Reviews," CAI Member Course, 2005 (presenter)

"Mold Remediation Issues and Buildings," Orange County Community Associations Institute, 2004 (panel speaker)

CONTACT

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Project Design Description

Phase 1: - Initial Hazardous Materials Survey Report and Pre-Demolition Engineering:

- Hazardous Materials Report:
 - Prepare asbestos and lead based paint survey report to evaluate presence and extent of contaminations and to provide removal measures required for demolition.
- Engineering:
 - Prepare an engineered demolition plan, including preliminary schematic drawings:
 - Pre-demolition evaluation of Carousel Mall and adjacent buildings.
 - Evaluation of structural integrity and/or separations required prior to demolition of mall building structure.
 - Perform structural integrity calculations of interior slabs in order to perform any interior demolition or abatement by machine on elevated slabs.
 - Evaluation and engineering of any demolition work adjacent to retaining walls and basements.
 - Determine extent of vibration monitoring and mitigation steps required during demolition.
 - Determine any required post demolition inspection efforts of Harris, Enterprise, and Parking Structure.

Phase 2: - Make Ready:

- Permits and Notifications:
 - Submit a Rule 1403 Notification of Procedure 1, 3 and 5 Asbestos Removal to South Coast Air Quality Management District (SCAQMD) at least 14 calendar days prior to start of asbestos removal.
 - Submit a Rule 1403 Notification of Routine Demolition to SCAQMD at least 14 calendar days prior to start of structural demolition.
 - Submit a Title 8 CCR Section 5203 Temporary Worksite Notification (Report of Regulated Carcinogen Use including Asbestos-Related Work) to Cal/OSHA.
 - Submit Demolition Permit application, plans and supporting documents to City of San Bernardino for plan check review and approval to issue permit for the demolition of the buildings.
- Utilities Disconnection and Safe-off:
 - Mark on the ground around the perimeter of the limits of work with white marking paint.
 - Contact 811 USA Dig Alert. Obtain Dig Alert number and list of existing utility service providers and contact information.
 - Contact utility service providers for coordination and scheduling of utility cut and caps required including but not limited to, Power, Gas, Water and Telecommunications.
 - Scan the pavement onsite using ground-penetrating radar equipment and mark existing locations of underground utilities onsite. Pothole and expose existing underground utilities as needed. As needed, isolate and safe-off power, gas, and water within the building for asbestos abatement and interior demolition work. Designated Safety Personnel and Demolition Foreman will visually confirm that all utilities are either disconnected or shut off with proper lock-out/tag-out protocols that meet or exceed CAL-OSHA standards.
- Site Preparation:
 - Apply for temporary hydrant meter and set lock on meter for on-site water source during abatement, demolition, and rough grading activities. AMPCO will request for the temporary meter to be set on one of the many hydrants existing on site at the mall parking lot nearest the work areas. Meter location subject to move as required as AMPCO progresses through the scope across the site.
 - Install temporary construction fence with wind screen around perimeter of the site for site security. Construction fence shall consist of two stabilized construction entrances with double swing gates and coded padlocks with the option for the city and security guard company to have their own locks attached for access.
 - Install jobsite office container/trailer, storage container(s), roll-off trash bin, temporary toilets and sinks at laydown area.
 - Install jobsite signage throughout the site.
 - Provide engineered SWPPP with Erosion Control Plan.
 - Install erosion control best management practices (BMPs) throughout site.

Phase 3: - Abatement & Interior Demolition:

- Document Control:
 - Designated Safety Personnel, Abatement Quality Control and Abatement Foreman will review all hazardous materials survey reports in order to confirm and layout all locations and quantities of hazardous materials that will be abated.
 - Hazardous Materials Survey Reports will be kept, maintained onsite, and made available for review upon request, as required by SCAQMD.
- Universal Waste:
 - Remove, by hand using hand tools, working from aerial lifts and/or ladders, and dispose of universal waste including but not limited to fluorescent light tubes, PCB-containing light ballasts, exit signs, mercury switches, and cleaning solutions/paints/oils/other chemicals left behind by tenant.
 - Remove freon refrigerant from rooftop air conditioning units, interior water fountains and air conditioning units, using vendor such as Rapid Recovery, Inc.
- Interior Demolition of any areas not impacted by Hazardous Materials:
 - Prior to interior demolition commencement, set up critical barriers.
 - A 3-stage decontamination unit will be placed at the entry/exit of demolition area.
 - Negative air pressure machines will be deployed in the work areas.
 - These precautions are in case of accidental ACM disturbance. This is not to be expected but to be set in case of disturbance.
 - Using skid steer loaders and hand-wrecking methods, demolish interior partition walls completely and process the mixed C&D debris.
 - Recyclable scrap metal materials will be source-separated and loaded out separately.
 - All diesel-powered equipment will be Tier 4 and have appropriate air scrubbers installed.
 - While equipment is utilized in the interior of the building, crew members will wear CO2 personal air monitors. If at any time levels of CO2 become too high, the work will be stopped in order to address ventilation and determine how best to proceed safely.
 - All debris will be loaded out into high side end dump trucks and hauled to the appropriate disposal or recycling facilities.
- Asbestos Abatement Work Area Preparation:
 - Prior to starting asbestos abatement tasks in any given interior area, set up the regulated work area with full negative pressure enclosure consisting of:
 - All critical barriers openings to the regulated work area such as doors, windows, and louvers will be inspected and updated as needed, since these were set in place before the interior demolition phase of work.
 - All stationary objects, surfaces, and walls not intended for removal or stripping of ACM shall be covered and sealed with 6-mil poly sheeting and sealed with duct tape.
 - All entrances will be barricaded from the work area. This includes all doors, windows, and any other openings leading to the work area. "Danger" signs shall be posted in and around the work area to comply with OSHA Regulations. Signs will follow OSHA 29 CFR 1910.1001(j)(4).
 - Transparent view ports will be installed to allow outside observation of all stripping and removal of ACM by designated Environmental Consultant responsible for the monitoring of work.
 - A 3-stage decontamination unit placed at the entry/exit of the abatement area consisting of a Clean Room, Shower Room, and equipment Room. Workers will use this to enter and exit the abatement area. During exit of the regulated work area, workers will use this to decontaminate themselves following decontamination procedures detailed in OSHA 29 CFR 1926.1101(j)(1)(iii).
 - Negative air machine units (1500-2000 CFM) with HEPA filters will be installed and maintained to allow for at least 4 air exchanges per hour, exhausting to the outside of the buildings. All exhaust ducting locations will be sealed in like manner. At the beginning of each shift before work starts, the negative pressure enclosure shall be inspected for breaches or leaks and sealed if found.
 - A manometer will be installed outside of the 3-stage decontamination unit, to monitor the interior negative air pressure, and ensure it is at least -0.20" of water column. Adequate negative air pressure shall be maintained continuously from the commencement of the removal activities through the final air clearance and confirmed by Certified Asbestos Consultant and/or Industrial Hygienist.
- Asbestos Abatement:
 - Use wet removal methods throughout all abatement work.

As a pre-cleaning activity, all bulk comingled C&D and Asbestos Containing Materials shall be gathered by skid steer and disposed of as friable asbestos waste.

- Abate the fireproofing by hand using hand tools, working from aerial lifts and/or scaffold units.
- Abate the floor tile using hand tools such as heavy-duty wrecking bars or scrapers with 2", 4" and 8" wide blades. For large wide-open areas, use ride-on floor scrapers (aka Terminators) to abate floor tile.
- Abate the floor mastic using bead blasting methods for large areas and floor buffers for smaller areas with appropriate attachments.
 - The bead blasting machine is self-contained and uses an abrasive method to remove mastic and vacuums material through filter and into bag. Material is then properly bagged and placed in friable asbestos dumpster for disposal.
 - For floor buffers, mastic remover product will be poured onto the floor surface, the floor buffer will then work from one end of the room to the other until complete. Corners where the floor buffer cannot reach will be abated by hand tools such as, 2"/4" wide hand scrapers and wire brushes.
- Abate any pipe gaskets throughout the building by removing intact, by hand, and placing in poly bags.
- Abate any fire doors throughout the building by removing intact, by hand, wrapping in 2-layers of poly sheeting and placing into the disposal bin.
- Load out asbestos debris into friable asbestos bins that will be staged inside the containment on the 1st and 2nd floor, lined with 2-layers of clear 6-mil poly or a "bladder bag."
- Construct a load out area for the friable asbestos bins to exit the containment. The bins will be cleaned, wet wiped, free of dust and debris and the burrito bag will be sealed leak tight and properly labeled according to OSHA 1910.1001(j)(5) and South Coast AQMD rule 1403 before exiting the containment. Use a skid steer loader to move the asbestos bins in and out from the building.
- Outside of containment, abate the roof penetration mastic materials using hand tools, such as scrapers, pry bars and/or roofing hammers. All material will be double-bagged and loaded into the asbestos bin.
- Obtain a Final Visual and Air Clearance from a Certified Asbestos Consultant.
- Any lead waste shall be abated as required upon discovery, included but not limited to loose and flakey paint stabilization and/or ceramic tiles/fixtures.
- Hazardous Waste Disposal
 - AMPCO shall facilitate the taking of samples as required to obtain a proper waste stream profile designation of all materials leaving the site including any non-regulated C&D. Any waste samples requiring OWNER approval shall be submitted to the designated parties for signature along with all analytical data and draft waste profile/manifests.
 - Upon receipt of the waste acceptance from the landfill, a waste manifest will be created for waste transportation and disposal and the transportation will be scheduled.
 - A waste manifest will need to be signed by the OWNER, prior to or at the time of the waste pick-up, transportation, and final landfill disposition. An active EPA ID# will be to be provided to AMPCO by OWNER, and OWNER is responsible for paying any taxes associated with the waste reported against the EPA ID # in accordance with regulations.
 - Non-friable and Friable asbestos waste would be disposed of at Azusa Land Reclamation Co., Inc., 1211 W. Gladstone Street, Azusa, CA 91702.
 - RCRA solid lead waste, if occurs, would be disposed of at US Ecology Nevada, Inc., PO Box 578, Beatty, NV 89003.
 - Non-RCRA solid waste, if occurs, would be disposed of at one of the following;
 - Waste Management Kettleman Hills, 35251 Old Skyline Road, Kettleman City, CA 93239
 - South Yuma County Landfill, 19536 S. Ave. E, Yuma, AZ, 85366
 - US Ecology Nevada, Inc.
 - Universal Waste Fluorescent light tubes would be disposed of at Mercury Disposal Systems, 14761 Franklin Avenue, Suite F, Tustin, CA 92780 or equivalent licensed facility.
 - Universal Waste E-waste would be disposed of at Alltech Electronics, 1300 E. Edinger, Santa Ana, CA 92705 or equivalent licensed facility.
 - Universal waste corrosive liquids would be disposed of at US Ecology Nevada, Inc.
 - Universal waste paint-related materials would be disposed of at Pacific Resource Recovery, 3150 E. Pico Blvd., Los Angeles, CA 90023 or equivalent licensed facility.

Phase 4: - Above Grade Demolition:

- Dust Control:

- AMPCO will obtain water for dust control from the nearest temporary hydrant meter location. Temporary hydrant Flow Meter to be provided by AMPCO.
- During structural demolition work, AMPCO will use laborers with fire hoses and spray nozzles to adequately spray and wet the immediate demolition areas, debris stockpiles and the equipment paths-of-travel. 2,000-gallon water trucks will also be used to adequately wet the site and demolition work areas. Water misting turbine fan (aka “Dust Boss”) will also be placed around the site in strategic locations and remotely adjusted by Operator to blow towards demolition work areas.
- During any debris load-out work, AMPCO will use laborers with fire hoses and spray nozzles to adequately wet the debris stockpile being loaded out and the end dump of the truck being loaded up.
- Monitoring of upcoming weather events and evaluate impact on existing dust control measures.
- **Corrective Action Plan – Dust & Debris Control Measures**
 - In the event fugitive dust is observed migrating outside the perimeter construction area, whether due to high windy conditions or inadequate dust control measures, all work will be immediately stopped to enact the Corrective Action Plan.
 - Stop dust-generating activity until problem is corrected.
 - Notify the Site Superintendent of dust conditions and implement dust suppression procedures.
 - Remove accumulated debris from problematic areas, and/or cover, enclose or isolate dust generating areas/surfaces to shield them from dust-causing sources.
 - Increase frequency, volume, and/or coverage of watering to prevent debris/dust from drying.
 - Provide additional dust suppression systems and operating personnel during the demolition task duration.
 - Modify operating procedures and methods to eliminate problematic conditions.
 - Increase level of worker awareness and instruct them on implementation of any new or modified operation procedures.
 - Report and document all procedural modifications and results.
 - Perform routine inspections of dust suppression methods and work areas for fugitive dust sources.
- **Building Structures**
 - As a precaution and due to preexisting site conditions and issues with vacant occupation of space, AMPCO will facilitate a walk through with all required parties such as security guard firm, police department, Designated safety personnel, Owner’s rep, and all other required parties on a daily basis to ensure that there are no people within the controlled access zone/demolition area.
 - Set-up controlled access zone with delineators and red danger tape around the equipment demolition work area. Move the controlled access zone around the site as the demolition work progresses.
 - Separate the bridges from the building structure using saw cutting, breaking and removal of the concrete where the structures attach to the portions of Carousel Mall that are to be demolished.
 - Demolish the free-standing bridge structures after separation using an Excavator. This work will occur concurrently with the abatement and interior demolition work.
 - After Engineering analysis is completed and approved, AMPCO shall perform a separation of Carousel Mall building and Harris and Enterprise buildings. Demolition crews will be working from lifts from the interior and exterior with hand tools, as well as using small heavy equipment working on the interior slabs and decks to sawcut, break, and remove concrete. AMPCO will remove enough non-load bearing construction material to create an air gap between the structures in order to complete the remaining demolition by excavator without affecting the Harris and Enterprise Building. Prior to any separation, an adequate barricade constructed of plywood and framing shall be installed at any openings connecting the Carousel Mall to either the Harris or Enterprise Buildings to ensure that there is no fall hazard to the public after building separation.
 - The interior demolition of the building floors will already have been performed during the abatement phase of work. 90-95% of the interior materials will be removed to leave the concrete shell and structure for heavy equipment demolition.
 - Demolish the building, using High Reach (HR) Excavator with rotating pulverizer attachment and other support Excavators.
 - The Excavator will start at the roof line where the vertical wall meets and pulverize/break into the building to create an opening and start point for demolition of building.
 - The Excavator will demolish the concrete walls and decks, floor-by-floor top-to-bottom in a grid line-by-grid line pattern (bay by bay).
















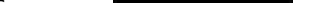








- The Roof concrete deck and steel beams will be demolished and dropped onto the 2nd floor slab below, then the debris cleared from the slab. Then the 2nd floor deck and steel beams will be demolished and lowered onto the ground floor slab below using excavator thumb and bucket. The debris will then be cleared from the slab. This process will repeat until the building structure demo is complete.
 - Support equipment including but not limited to, Excavators of various sizes and skid steer loaders will be used to assist the HR Excavator to avoid any unnecessary collapse of floors/decks and by clearing debris from the immediate work area, separating, processing, and loading out debris.
 - Laborers with torch cutting equipment, working from aerial boom lifts, will be used to assist the HR Excavator in cutting steel beams and/or columns if necessary. AMPCO will provide a Job Hazard Analysis prior to this work task commencing. Adequate fire watch will be implemented along with any “Hot Work”. All “Hot Work” activities shall be halted two hours prior to the end of shift to ensure adequate time for cool off period and fire watch walk through.
- Process the concrete debris to prepare it for load out and separate the recyclable scrap metal using Excavators with breakers and/or pulverizer attachments. This task will occur throughout the building demolition operation once enough concrete debris is accumulated.
- Load out concrete and scrap metal debris into end dumps using Excavators with bucket/thumb attachment and hauled to recycling facilities for 100% recycling/diversion.
- AMPCO will deploy a Street Sweeper during load-out and trucking operations, to mitigate track out and maintain compliance with the SWPPP.

Phase 5: - Below-Grade Excavation & Demolition:

- Building Slab
 - Demolish and remove the building concrete slab using a Track Loader and/or Excavator with breaker and bucket/thumb attachments, following the same building sequence as the building structural demolition.
 - The Track Loader or Excavator will access the slab edge and pull it up, or pop it up, breaking the slab in sections.
 - Excavators with pulverizer or breaker attachments will process the concrete to separate scrap metal and load the debris into end dump trucks to be hauled offsite for recycling.
 - Demolish the portion of the slab that covers the Lower Level using an Excavator with breaker attachment, letting the concrete debris fall to the Slab on Grade below. Concrete debris will be removed to expose the Slab on Grade.
 - Demolish the Slab on Grade the same way as steps above.
- Building Continuous & Spread Footings
 - Excavate and remove the continuous wall footings and column spread footings using Excavators with bucket/thumb, breaker and pulverizer attachments, following the same sequence as the building slab demolition.
 - The Excavator will excavate the dirt next to and around the footings to expose the side of the footing.
 - If the footing is manageable, the Excavator will pull the footing out of the dirt and place it in a stockpile where it will be processed by an Excavator with breaker and/or pulverizer attachments.
 - If the footing size is too large to pull out of the dirt, the Excavator with breaker attachment will break and process the footing in the trench, then the Excavator with bucket/thumb attachment will remove the concrete debris from the trench for further processing.
 - After the footing is removed from the dirt, Excavator will push the dirt back into the hole or trench, slope, level, and compact as needed to make the area safe.
 - Excavators with pulverizer or breaker attachments will process the concrete to separate scrap metal and load the debris into end dump trucks to be hauled offsite for recycling.
- Excavate and remove any Retaining walls and footings and column spread footings using Excavators with bucket/thumb, breaker and pulverizer attachments.
- Removal of Waste Material
 - Concrete debris will be removed from the site via low-side end dump trucks and transported to a recycling facility for 100% recycling/diversion.
 - Scrap metal debris will be removed from the site via high-side end dump trucks and transported to a recycling facility for 100% recycling/diversion.
 - AMPCO will deploy a Street Sweeper during load-out and trucking operations, to mitigate track out and maintain compliance with the SWPPP.

Phase 6: - Site Improvements:

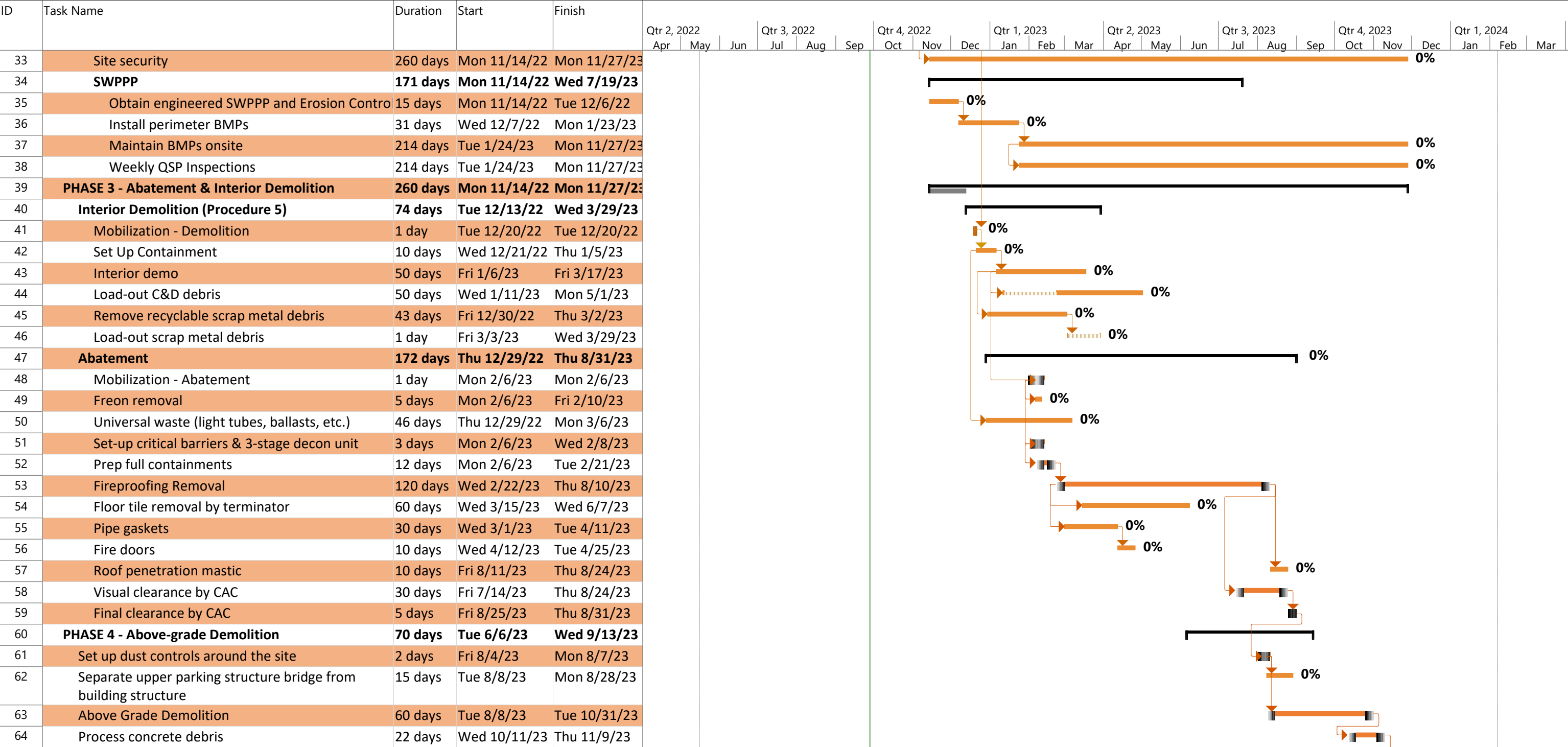
- Demolish and remove concrete and asphalt paving, curbs and gutters using Excavators with bucket/thumb, breaker and/or pulverizer attachments as necessary to accommodate a 40' easement/boundary around the perimeter of the Carousel Mall and on-site Structures to demolish walls, footings, and foundations.
- Excavate and remove underground utilities within the building footprints using Excavator with bucket/thumb attachment.
- Cap sewer lateral(s) at the property line. Record as-built location and depth.
- Grade and compact soil on site as needed for backfill and grading of voids created from removal of Basements, building foundations and underground utilities.
- Final grading to provide site drainage per the requirements of the SWPPP to provide drainage towards the "pit" left behind from demolition since no material is to be left on site or imported from outside of the jobsite.

Critical		Split		Finish-only		Baseline Milestone		Manual Summary		Inactive Task	
Critical Split		Task Progress		Duration-only		Milestone		Project Summary		Inactive Milestone	
Critical Progress		Manual Task		Baseline		Summary Progress		External Tasks		Inactive Summary	
Task		Start-only		Baseline Split		Summary		External Milestone		Deadline	

Carousel Mall Project

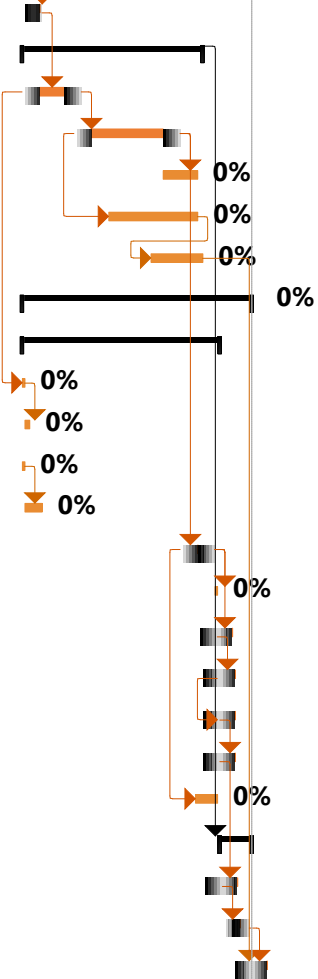
Job #21-632PW

Project Schedule
9/27/2022



Critical		Split		Finish-only		Baseline Milestone		Manual Summary		Inactive Task	
Critical Split		Task Progress		Duration-only		Milestone		Project Summary		Inactive Milestone	
Critical Progress		Manual Task		Baseline		Summary Progress		External Tasks		Inactive Summary	
Task		Start-only		Baseline Split		Summary		External Milestone		Deadline	

ID	Task Name	Duration	Start	Finish	Qtr 2, 2022			Qtr 3, 2022			Qtr 4, 2022			Qtr 1, 2023			Qtr 2, 2023			Qtr 3, 2023			Qtr 4, 2023			Qtr 1, 2024		
					Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
65	Load-out concrete debris	5 days	Mon 11/6/23	Mon 11/13/23																								
66	PHASE 5 - Below-grade Demolition	49 days	Mon 11/6/23	Wed 1/17/24																								
67	Demo building slab	15 days	Mon 11/6/23	Wed 11/29/23																								
68	Demo building footings	30 days	Mon 11/27/23	Mon 1/8/24																								
69	Excavate and remove Basement slab, walls and foot	10 days	Tue 1/2/24	Mon 1/15/24																								
70	Process concrete debris	25 days	Mon 12/11/23	Mon 1/15/24																								
71	Load-out concrete debris	15 days	Thu 12/28/23	Wed 1/17/24																								
72	PHASE 6 - Site Improvements & Offsite Restoration	63 days	Mon 11/6/23	Tue 2/6/24																								
73	Site Demolition	54 days	Mon 11/6/23	Wed 1/24/24																								
74	Demo concrete paving	1 day	Mon 11/6/23	Mon 11/6/23																								
75	Demo asphalt paving	2 days	Tue 11/7/23	Wed 11/8/23																								
76	Demo curb and gutter	1 day	Mon 11/6/23	Mon 11/6/23																								
77	Demo site walls and footings	4 days	Tue 11/7/23	Mon 11/13/23																								
78	Excavate and remove underground utilities	10 days	Tue 1/9/24	Mon 1/22/24																								
79	Cap sewer lateral(s)	1 day	Tue 1/23/24	Tue 1/23/24																								
80	Process concrete debris	1 day	Tue 1/23/24	Tue 1/23/24																								
81	Load-out concrete debris	1 day	Wed 1/24/24	Wed 1/24/24																								
82	Load-out asphalt debris	1 day	Wed 1/24/24	Wed 1/24/24																								
83	Load-out utility debris	1 day	Wed 1/24/24	Wed 1/24/24																								
84	Load-out scrap metal debris	7 days	Mon 1/15/24	Tue 1/23/24																								
85	Earthwork / Grading	9 days	Thu 1/25/24	Tue 2/6/24																								
86	Mobilization	1 day	Thu 1/25/24	Thu 1/25/24																								
87	Fine grade site to provide site drainage	7 days	Fri 1/26/24	Mon 2/5/24																								
88	Final inspection by (City of San Bernardino)	1 day	Tue 2/6/24	Tue 2/6/24																								

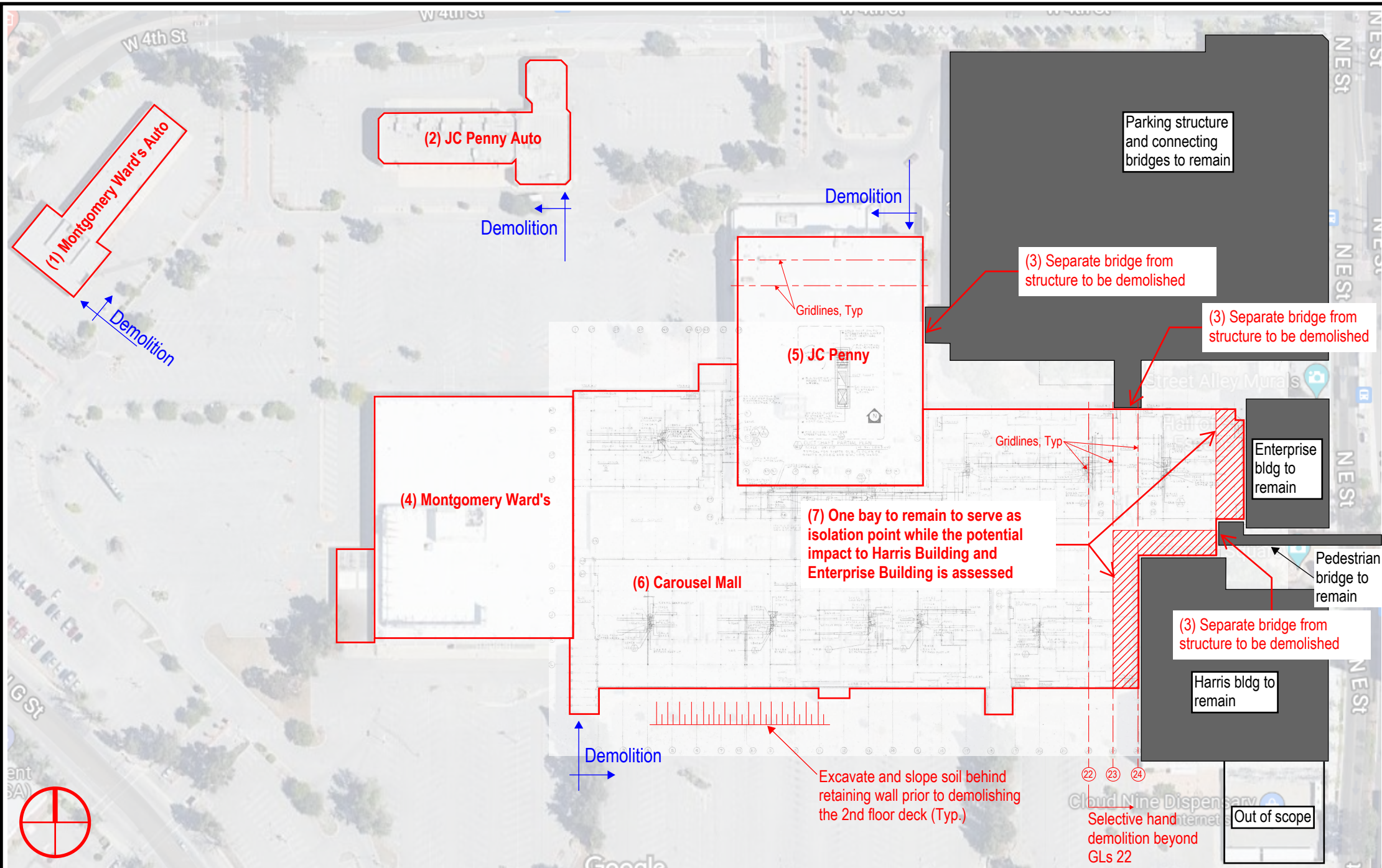


Critical		Split		Finish-only		Baseline Milestone		Manual Summary		Inactive Task	
Critical Split		Task Progress		Duration-only		Milestone		Project Summary		Inactive Milestone	
Critical Progress		Manual Task		Baseline		Summary Progress		External Tasks		Inactive Summary	
Task		Start-only		Baseline Split		Summary		External Milestone		Deadline	

Summary of Value-Added Enhancements (Add Alternates)

The following services are not included in the base scope of services of this Agreement and are not included in the above fees. If authorized by Client, AMPCO will perform the following additional services at a fee to be agreed upon.

1. Design of any temporary shoring required during the demolition activities.
2. Design of any closures to adjacent buildings or connecting bridges.
3. Design of demolition procedures for any connecting bridges to adjoining buildings, or design of shoring and structural support for these bridges.
4. Provide load testing specification as required to verify capacity of the existing floor slabs and framing. This work can include the design, supervision of the work, and incorporation of the results of the testing plan into the demolition drawings.
5. Analysis and design of any required retaining wall temporary bracing at the below grade levels after removal of the first-floor framing.
6. Preparation of weekly field reports summarizing the progress of work and documenting site observations, conversations, and field conditions.
7. Development, installation, and implementation of a detailed monitoring plan for adjacent buildings to remain (Harris Building, Enterprise Building and Parking Structure) during demolition, including a description of the instrumentation, location on structure, alert, alarm levels along with a response plan for each level.
8. 3D monitoring during the demolition process; 3D rendering showing demolition sequence.
9. LEED or SUSTAINABILITY services and/or material tracking either during the design or dismantle effort.
10. Professional consulting services relative to work which is outside the proposed scope of our work required for this project proposal.
11. Services required due to project changes including, but not limited to, changes in the following: scope, design, size, complexity, Owner's schedule, or the character of construction.
12. Revisions for work which has already been completed and approved.
13. Services required to consult with a peer review engineer, should Owner elect to have AMPCO's services peer reviewed.
14. Review of loads imposed on existing foundations for impact generated by cranes.
15. Review of comments to our structural design by a third-party engineer and preparation of responses to any comments made by the third party engineer.



General Demolition Sequence:

- (1) Demolish Montgomery Ward's Auto
- (2) Demolish JC Penny Auto
- (3) Separate bridges connecting to structure to be demolished.
- (4) Demolish Montgomery Ward's
- (5) Demolish JC Penny
- (6) Demolish Carousel Mall
- (7) Demolish section of Carousel Mall adjacent to Harris Building and Enterprise Building

Notes:

- a. Parking Structure, Enterprise and Harris Building and bridges are out of scope
- b. Barricades will be constructed at all openings connecting the structures to remain with the structures to be demolished.
- c. Refer to "Project Design Description" for more detailed information

(1) Montgomery Ward's Auto, and (2) JC Penny Auto

- Demolish the building using High-Reach (HR) Excavator with rotating pulverizer, starting at the roof-to-wall junction
- Create one opening and continue demolishing the walls and roof in a gridline-by-gridline pattern until reaching the wall on opposite side.
- Continue until Montgomery Ward's demolition is complete
- Repeat until JC Penny Auto is complete.

(3) Bridges (to remain):

- Perform explorations to determine the characteristics of the connection between the bridges and structure to be demolished
- Separate bridges using saw cutting, breaking and removal of concrete.

(4) Montgomery Ward's, (5) JC Penny, and (6) Carousel Mall:

- Demolish the building using High-Reach (HR) Excavator with rotating pulverizer, starting at the roof-to-wall junction
- Create one opening and continue demolishing the walls, decks and roof, and steel framing floor-by-floor, top-to-bottom, in a gridline-by-gridline pattern.
- Continue until Montgomery Ward's is complete
- Repeat until JC Penny is complete
- Repeat until the Carousel Mall is complete

(7) Carousel Mall adjacent to the Harris and Enterprise Buildings (to remain):

- Stop two structural bays in with the excavator and move onto selective hand wrecking
- Leave behind one bay in which to frame out to serve as an isolation point while the Harris Building impact is explored further.

PALOMAR HOSPITAL

Demolition & Abatement

555 EAST VALLEY PARKWAY
ESCONDIDO, CA

PERFORMANCE PERIOD SEPT
JULY 2021 - MARCH 2022

CONTRACT VALUE: \$6,307,744

CLIENT

Integral Communities

REFERENCE

Ninia Hammond (949) 720-3612



Project Scope: AMPCO was hired as a prime contractor to demolish the existing Palomar Hospital. Scope included removal of asbestos containing materials, lead, PCB's, Universal waste, full building demolition, foundation demolition, crushing, backfill, and mass grading. The total building square footage was 1,100,000 SF. Buildings consisting of a main 6 story parking structure (3 levels below grade), a 7-story tower, multiple auxiliary buildings and a 13-story building tower. Project was fully abated and demolished within a 7-month period.

Means and Methods: AMPCO Self performed all activities on site. AMPCO utilized our fleet of high reach machines and standard machines to accomplish our goals along with a ball and crane from time to time. Each section of the building was removed floor by floor utilizing the latest and safest demolition techniques while utilizing our company owned state of the art equipment.

Challenges Faced: This project was one of the largest demolition projects San Diego County had seen for years. The existing facility was in the middle of a residential neighborhood and was high profile in nature. Tall structures, dust control and debris management were some of the key components to manage daily and for the ultimate success of the project

BOEING PHASE II

Abatement & Demolition

14900 BOLSA CHICA
HUNTINGTON BEACH, CA

PERFORMANCE PERIOD
MAY 2021 - DECEMBER 2021

CONTRACT VALUE: \$6,200,000

CLIENT

Sares Regis

REFERENCE

Bob Klaewtanong 949.463.3264



Project Scope: AMPCO performed all hazardous material abatement and interior demolition within the structures to prepare for the structural demolition. AMPCO provided dust barriers, walkway canopies, vibrations monitoring and SWPPP.

AMPCO worked directly with Sares Regis and their project consultants to assist and overcome many necessary requirements to complete the demolition while not disturbing the surrounding Boeing buildings and office sites.

Means and Methods: AMPCO self performed all necessary environmental and structural demolition utilizing our high reach excavator and support equipment to safely demolish the structure. AMPCO also installed water turbines that were used to suppress the dust during the demolition activities

Challenges Faced: Throughout the project AMPCO was able to maintain low vibration and sound requirements necessary to not disturb the scientific laboratories in adjacent buildings which were operating at 100%.

COUNTY BUILDING 14 DEMOLITION

Abatement & Demolition

645 N ROSS STREET
SANTA ANA, CA 92701

PERFORMANCE PERIOD
NOVEMBER 2019 - MARCH 2020

CONTRACT VALUE: \$4,679,662

CLIENT

Swinerton Builders

REFERENCE

Michael Forys 949-622-7000



Project Scope:

AMPCO was hired as a subcontractor for the demolition of three (3) county offices buildings scheduled for demolition at the County of Orange's campus and grading of the site to prepare it for construction of a new county office building. AMPCO performed the hazardous materials abatement which included asbestos, lead and PCB-containing materials from the interior and exterior of the buildings. The interior offices were gutted out from the buildings to prepare them for structural demolition. AMPCO deployed water misting fans and water trucks for dust control.

AMPCO worked directly with Swinerton Builders and their project consultants to navigate through the project, to complete the work ahead of schedule, while working alongside occupied buildings with public officials.

Means and Methods: AMPCO self-performed the demolition and earthwork scopes of work, and subcontracted the hazardous materials abatement to a few subcontractors. The demolition was performed using a High-Reach Excavator with support equipment to safely demolish the structure

Challenges Faced: Throughout the project, AMPCO was able to maintain good dust control and compliance with environmental rules and regulations, without disturbing the County's occupied buildings operations. Over a thousand loads of debris were hauled off of this jobsite. AMPCO was able to maintain good traffic control with no accidents or incidents to the public right-of-way.

WORLD TRADE CENTER DISASTER RECOVERY

New York, New York

On the afternoon of September 11, senior representatives from Thornton Tomasetti conducted an initial walk-through of the World Trade Center site with city officials to survey the situation and begin planning for widespread building inspections and on-site engineering operations.

By the morning of September 12, more than 30 of the firm's structural engineers were mobilized. Working with the New York City Department of Buildings, Thornton Tomasetti conducted inspections of more than 400 buildings in Lower Manhattan. Among the most challenging tasks were the design of grillages and the reinforcement of existing support members to allow placement of cranes, grapplers and other heavy equipment. Large cranes with long reaches and capacities of up to 1,000 tons were needed to provide access to the search and rescue areas, which were designated by the New York City Fire Department. Though at one point more than 30 cranes were on the site, there was not a single case of a crane support problem during the entire rescue and recovery efforts.

Services we provided included immediate damage assessment of buildings in the collapse area, assistance with demolition and temporary stabilization procedures, design of grillages and analysis of existing structures to support construction equipment, coordination of the survey monitoring of existing damaged structures, and inspection of hundreds of buildings in the area surrounding the collapse site.

Client / Owner

The New York City Department of Design and Construction

Completion date

2002

Services

Damage assessment, demolition assistance, temporary stabilization procedures, survey monitoring of damaged structures, inspection of surrounding buildings

HIGHLIGHTS

- More than 1.6 million tons of debris removed
- Recovery completed under budget and four months ahead of schedule
- Safety first - no single major injury among the recovery workers



ONE JAMES RIVER PLAZA DEMOLITION

Richmond, Virginia

Thornton Tomasetti provided engineering services for the mechanical demolition, installation of a new earth retention system and the implosion of the 23-story OJRP building, former headquarters of Dominion Energy.

Mechanical demolition was carried out in four phases, allowing for reinforcement of the existing foundations and installation of a new earth retention system to maintain stability of the surrounding area.

Thornton Tomasetti performed a lateral stability analysis to assess the adequacy of the superstructure to withstand temporary wind loads after the mechanical demolition of the below-grade parking garage was completed and the pre-implosion structural weakening was performed. Based on the results of these analyses, Thornton Tomasetti proposed several changes to the pre-weakening plan, which were then implemented by the contractor.

Thornton Tomasetti performed implosion analysis to predict the progression of the collapse of the 23-story OJRP building and the extent of the debris field to ensure safety of adjacent high-rise buildings from the falling debris. The mechanics of the damage and failure from the high fidelity local models of the waffle slab and the transfer girder were incorporated into the global model of the building in order to achieve reasonable computational run-times without sacrificing accuracy in the results. Thornton Tomasetti also performed a soil vibration analysis to ensure the structural integrity of the foundations of adjacent properties and buried utilities.

The project was successful due to carefully developed plans and robust and accurate implosion analyses. The mechanical demolition of the parking garage, the installation of the new earth retention system and the implosion of the building were completed without incident.

Client

DH Griffin Wrecking Company

Date completed

2020

Services

Demolition planning, structural stability analysis, implosion analysis and vibration analysis



ATTACHMENT 2

IRAN CONTRACTING ACT CERTIFICATION

(Public Contract Code sections 2200-2208)


Prior to bidding on, submitting a proposal, or executing a contract or renewal for a public entity contract for goods or services of \$1,000,000 or more, a vendor must either: a) certify it is **not** on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code section 2203(b) and is not a financial institution extending \$20,000,000 or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or b) demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code section 2203(c) or (d).

To comply with this requirement, please insert your vendor or financial institution name and Federal ID Number (if available) and complete **one** of the options below. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of \$250,000 or twice the amount of the contract for which the false certification was made, contract termination, and three-year ineligibility to bid on contracts. (Pub. Cont. Code § 2205.)

OPTION #1 - CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor/financial institution identified below, and the vendor/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Vendor Name/Financial Institution (Printed) AMPCO Contracting, Inc.	Federal ID Number (or n/a) 20-1713092
By (Authorized Signature) 	
Printed Name and Title of Person Signing Andrew Pennor - CEO	Date Executed 09/22/2022

OPTION #2 – EXEMPTION

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a vendor/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services.

If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

Vendor Name/Financial Institution (Printed)	Federal ID Number (or n/a)
By (Authorized Signature)	
Printed Name and Title of Person Signing	Date Executed

ATTACHMENT 3

WORKERS' COMPENSATION CERTIFICATION

Labor Code Section 3700 provides in relevant part:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

- (a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.
- (b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

Design-Build Entity:

AMPCO Contracting, Inc.

By: 

Name: Andrew Pennor

Its: CEO

In accordance with article 5 (commencing at Section 1860), chapter 1, part 7, division 2 of the Labor Code, the above certificate must be signed and filed with City prior to performing any work under the Contract.

ATTACHMENT 4

NON-COLLUSION DECLARATION

TO BE EXECUTED BY DESIGN-BUILD TEAM AND SUBMITTED WITH PROPOSAL

The undersigned declares:

I am the CEO/President of AMPCO Contracting, Inc the party making the foregoing proposal.

The proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The proposal is genuine and not collusive or sham. The respondent has not directly or indirectly induced or solicited any other respondent to put in a false or sham proposal. The respondent has not directly or indirectly colluded, conspired, connived, or agreed with any respondent or anyone else to put in a sham proposal, or to refrain from responding. The respondent has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price of the respondent or any other respondent, or to fix any overhead, profit, or cost element of the proposal price, or of that of any other respondent. All statements contained in the proposal are true. The respondent has not, directly or indirectly, submitted his or her proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company association, organization, proposal depository, or to any member or agent thereof to effectuate a collusive or sham proposal and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a respondent that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the respondent.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 09/22/2022 [date], at Irvine [city], CA [state].

Signed:  _____

Print Name: Andrew Pennor

ATTACHMENT 5

PUBLIC WORKS CONTRACTOR REGISTRATION CERTIFICATION

Pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. See <http://www.dir.ca.gov/Public-Works/PublicWorks.html> for additional information.

No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work.

Bidder hereby certifies that it is aware of the registration requirements set forth in Labor Code sections 1725.5 and 1771.1 and is currently registered as a contractor with the Department of Industrial Relations.

Name of Bidder: AMPCO Contracting, Inc.

DIR Registration Number: 1000011759

Bidder further acknowledges:

- (1) Bidder shall maintain a current DIR registration for the duration of the project.
- (2) Bidder shall include the requirements of Labor Code sections 1725.5 and 1771.1 in its contract with subcontractors and ensure that all subcontractors are registered at the time of bid opening and maintain registration status for the duration of the project.

Name of Bidder AMPCO Contracting, Inc.

Signature 

Name and Title Andrew Pennor - CEO/President

Dated September 22, 2022