

# California American Water Company

## Construction of Castroville Pipeline

### Monterey County, CA



**Proposal Due:**  
**July 23, 2019**  
**3:00 PM PST**



DB Replace Sewer Lift Stations



Fresno WWTP Odor Control Facility



DB Potable Water Storage Tank  
Pipelines



Earthwork, Concrete & Asphalt Paving

**Submitted To:**  
**California-American Water Company**  
**Attn: Lori Girard, General Counsel**  
**511 Forest Lodge Road, Suite 100**  
**Pacific Grove, CA 93950**  
**619-446-4777**  
**Email: [lori.girard@amwater.com](mailto:lori.girard@amwater.com)**  
**[Tim.ghalloran@amwater.com](mailto:Tim.ghalloran@amwater.com)**



License No. 667560, Class: A - General Engineering, B - General Building,  
C-12 - Earthwork & Paving, and C-21 - Building Moving & Demolition  
Hal Hays Construction, Inc.  
4181 Latham Street, Riverside, CA 92501  
Contact: Kirby S. Hays, CEO [khays@halhays.com](mailto:khays@halhays.com) 951.788.0703

Original



**CALIFORNIA AMERICAN WATER COMPANY  
CONSTRUCTION OF CASTROVILLE PIPELINE  
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**PROPOSAL FORM 1**  
**TRANSMITTAL LETTER**

**July 23, 2019**

**[ California American Water  
511 Forest Lodge Road, Suite 100  
Pacific Grove, California 93950  
Attn: Lori Girard, Corporate Counsel ]**

Re: Monterey Peninsula Water Supply Project – Castroville Pipeline

Dear Sir/Madam:

**HAL HAYS CONSTRUCTION, INC.** (the “Proposer”) hereby submits its Proposal in response to the Request for Proposals for the Monterey Peninsula Water Supply Project Castroville Pipeline (the “RFP”) issued by California-American Water Company (“CAWC”) on July 23, 2019, as amended.

As a duly authorized representative of the Proposer, I hereby certify, represent, and warrant, on behalf of the Proposer team, as follows in connection with the Proposal:

1. The Proposer acknowledges receipt of the RFP and the following addenda:

<u>No.</u>	<u>Date</u>
<u>1</u>	<u>07/02/19</u>
<u>2</u>	<u>07/09/19</u>
<u> </u>	<u> </u>

- 5.2.3.1.1 The submittal of the Proposal has been duly authorized by, and in all respects is binding upon, the Proposer. Attachment 1 to this Transmittal Letter is a Certificate of Authorization which evidences my authority to submit the Proposal and bind the Proposer.
- 5.2.3.1.2 All information and statements contained in the Proposal are current, correct and complete, and are made with full knowledge that CAWC will rely on such information and statements in selecting the most advantageous Proposal to CAWC and executing the Contract.
- 5.2.3.1.3 Attachment 2 to this Transmittal Letter sets forth the Proposer’s Project team and identifies each team member’s proposed role with respect to the Project. Attachment 3 to this Transmittal Letter provides licensing information for each Project team member.
- 5.2.3.1.4 Not used.



5.2.3.1.5 Not used.

5.2.3.1.6 Not used.

5.2.3.1.7 Neither the Proposer nor any Project team member is currently suspended or debarred from doing business in the State of California;

5.2.3.1.8 There is no action, suit or proceeding, at law or in equity, before any court or similar governmental body, against the Proposer, wherein an unfavorable decision, ruling or finding would have a materially adverse effect on the ability of the Proposer to perform their respective obligations under the Contract or the other transactions contemplated hereby, or which, in any way, would have a materially adverse effect on the validity or enforceability of the obligations proposed to be undertaken by the Proposer, or any Contract or instrument entered into by the Proposer in connection with the transactions contemplated hereby.

5.2.3.1.9 No corporation, partnership, individual or association, officer, director, employee, manager, parent, subsidiary, affiliate or principal shareholder of the Proposer has been adjudicated to be in violation of any state or federal anti-trust or similar statute within the preceding five years, or previously adjudged in contempt of any court order enforcing such laws.

5.2.3.1.10 The Proposer and all Project team members have reviewed all of the engagements and pending engagements of the Proposer and all Project team members and no potential exists for any conflict of interest or unfair advantage.

5.2.3.1.11 No person or selling agency has been employed or retained to solicit the award of the Contract under an arrangement for a commission, percentage, brokerage or contingency fee or on any other success fee basis, except bona fide employees of the Proposer.

5.2.3.1.12 The principal contact person who will serve as the interface between CAWC and the Proposer for all communications is:

NAME: Kirby S. Hays

TITLE: CEO

ADDRESS: 4181 Latham St., Riverside, CA 92501

PHONE: 951-788-0703

FAX: 951-289-7112

EMAIL: khays@halhays.com

5.2.3.1.13 The key technical and legal representatives available to provide timely response to written inquiries submitted and to attend meetings requested by CAWC are:



Technical Representative:

NAME: Kirby S. Hays  
TITLE: CEO  
ADDRESS: 4181 Latham St., Riverside, CA 92501  
  
PHONE: 951-788-0703  
FAX: 951-289-7112  
EMAIL: khays@halhays.com

Legal Representative:

NAME: Kirby S. Hays  
TITLE: CEO  
ADDRESS: 4181 Latham St., Riverside, CA 92501  
  
PHONE: 951-788-0703  
FAX: 951-289-7112  
EMAIL: khays@halhays.com

- 5.2.3.1.14 The Proposer has carefully examined all documents constituting the RFP and the addenda thereto.
- 5.2.3.1.15 The Contract in the form issued with this RFP is agreed to, except where changes have been requested in Proposal Form 6 and such changes have been indicated as conditions of the Proposal.
- 5.2.3.1.16 If selected, the Proposer agrees to negotiate in good faith to enter into a Contract that reflects the substantive terms and conditions of the RFP and the Proposal.

[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]

5.2.3.1.17 The Proposer has submitted all Proposal Forms and applicable bid packages and such Proposal Forms and applicable bid packages are a part of this Proposal.

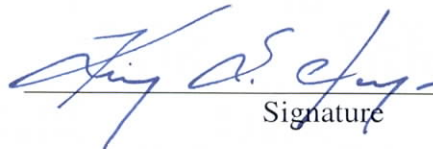
Having carefully examined the RFP and all other documents bound therewith, together with all addenda thereto, all information made available by CAWC, and being familiar with the Project (as described in the RFP and the Contract) and the various conditions affecting the work, the Proposer hereby offers to furnish all labor, materials, supplies, equipment, facilities and services which are necessary, proper or incidental to carry out such work as required by and in strict accordance with the RFP and the Proposal, all for the prices set forth in the submitted bid packages.

**HAL HAYS CONSTRUCTION, INC.**

Name of Proposer

**Kirby S. Hays**

Name of Designated Signatory



Signature

**CEO**

Title

*Note: If this Proposal is being submitted by a corporation, the Proposal shall be executed in the corporate name by the president or other corporate officer with authority to bind the corporation, and the corporate seal shall be affixed and attested to by the clerk. A certificate of the secretary of the corporation evidencing the officer's authority to execute the Proposal shall be attached.*

*If this Proposal is being submitted by a joint venture or general partnership, it shall be executed by all partners, and any partner that is a corporation shall follow the requirements for execution by a corporation, as set forth above.*

*If this Proposal is being submitted by a limited partnership or a limited liability company, it shall be executed by the managing partner(s) or managing member thereof, and such shall also submit proof of authority to so execute the Proposal, in a form satisfactory to CAW. Any partner or member that is a corporation shall follow the requirements for execution by a corporation, as set forth above.*

**(Use State-Appropriate form for Notary Public)**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2018, before me appeared [DESIGNATED SIGNATORY], who is [INSERT TITLE] of [INSERT PROPOSER], a [INSERT STATE AND TYPE], personally known to me to be the person described in and who executed this Transmittal Letter and acknowledged that she/he signed the same freely and voluntarily for the uses and purposes therein described.

In witness thereof, I have hereunto set my hand and affixed my official seal the day and year last written above.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Name Printed)

Residing at \_\_\_\_\_

Commission Number \_\_\_\_\_

*See Attached Certificate - Notary*

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Riverside )

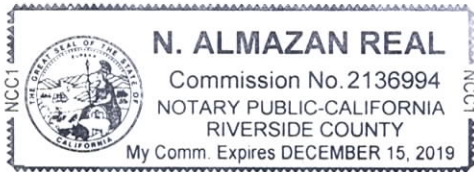
On July 19, 2019 before me, N. Almazan Real, Notary Public,  
Date Here Insert Name and Title of the Officer

personally appeared Kirby S. Hays  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/it~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature N. Almazan Real  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document Proposal Form 2 Non-Collusion Affidavit Document Date: 07-19-2019  
Number of Pages: One (1) Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Kirby S Hays  
 Corporate Officer — Title(s): CEO  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_

Signer Is Representing Hal Hays Construction, Inc

Signer Is Representing: \_\_\_\_\_



**Attachment 1**

**CERTIFICATE OF AUTHORIZATION\***

I, **HAL HAYS**, a resident of **RIVERSIDE** in the State of **CALIFORNIA**, DO HEREBY CERTIFY that I am the Clerk/Secretary of **HAL HAYS CONSTRUCTION, INC.**, a **CORPORATION** duly organized and existing under and by virtue of the laws of **CALIFORNIA**; that I have custody of the records of such corporation; and that as of the date of this certification, **KIRBY S. HAYS** holds the title of **CEO** of the corporation, and is authorized to execute and deliver in the name and on behalf of the [corporation] the Proposal submitted by the corporation in response to the Request for Proposals for Monterey Peninsula Water Supply Project Castroville Pipeline, issued by California-American Water Company on July 23, 2019, as amended; and all documents, letters, certificates and other instruments which have been executed by such officer on behalf of the corporation in connection therewith.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the corporation this 23 day of July, 2019.

(Affix Seal Here)



---

Clerk/Secretary

*\* Note: Separate certifications shall be submitted if more than one corporate officer has executed documents as part of the Proposal. Proposers shall make appropriate conforming modifications to this Certificate in the event that the signatory's address is outside of the United States.*

**Attachment 2**

**PROJECT TEAM MEMBER LIST**

Proposals shall identify the names and roles of the Proposer and any Significant Subcontractors and all other Project team members identified to date:

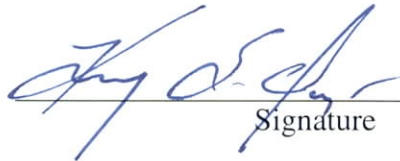
<b><u>NAME:</u></b>	<b><u>ROLE:</u></b>
<u>Kirby S. Hays</u>	<u>HHCI – CEO/Project Executive</u>
<u>Jeff Geist</u>	<u>HHCI – Vice President</u>
<u>Matt Goddard</u>	<u>HHCI – Corporate Scheduler</u>
<u>Tom Bailey</u>	<u>HHCI – Operations Manager</u>
<u>Jerry Neuman</u>	<u>HHCI – General Superintendent</u>

**HAL HAYS CONSTRUCTION, INC.**

Name of Proposer

**Kirby S. Hays**

Name of Designated Signatory

  
Signature

**CEO**

Title

**Attachment 3**

**PROJECT TEAM LICENSE LIST**

Attach corresponding copies of applicable licenses

<b>License No.</b>	<b>Classification</b>	<b>Name of Licensee</b>	<b>Renewal Date</b>	<b>Active (Yes/No)</b>
667560	A,B,C12, C21, HAZ	Contractor's State License Board	11/30/2019	Yes



## EXECUTIVE SUMMARY

HHCI understands that CAWC's Construction of Castroville Pipeline Project is a component of the Monterey Peninsula Water Supply Project (MPWSP), which involves the replacement of a significant portion of the existing water supply from the Carmel River, as directed by the State Water Resources Control Board ("SWRCB"). This three-pronged approach to replace the water supply reductions will consist of: (1) desalination, (2) groundwater replenishment ("GWR"), and (3) aquifer storage and recovery ("ASR"). This project will procure 19,000 linear feet of potable water pipeline connecting CAWC's desalination plant transmission main to the Castroville Community Services District potable water system. Per the bid documents, HHCI understands that in order for this project to obtain funding for this project, American Iron and Steel (AIS) requirements will apply.

**Key Team Members:** The following **List** presents HHCI's project delivery team (PDT) for the **Construction of Castroville Pipeline Project**.

- Principal in Charge- **Kirby S. Hays**
- Corporate Scheduler – **Matt Goddard**
- Corporate Quality Control Manager – **Jason Flowers**
- Corporate Safety Manager – **Tom Lancaster**
- General Superintendent – **Jerry Neuman**
- Project Manager – **Karun Mani**
- Superintendent/QC Manager/Site Safety Health Officer – **Aaron Imera**
- Lead Project Engineer – **Nigee Kalladithodi**
- Lead Technical Specialist – **Jwalit Kansara**

In order to meet the requirements of the RFP and the Contract, HHCI's representative attended the site visit. Estimators have reviewed project plans, specifications, and subsequent amendments, conducted **7 proposal development strategy meetings** during which the team **evaluated design criteria** and project requirements, to devise **the safest, quality-oriented, sustainable and cost-conscious project solution** and sought clarifications from CAWC to arrive at its proposal offering

**HHCI** will comply with the following requirements of this RFP:

- Basic Performance Requirement – provide a quality assurance and quality control plan and adhere to the plan during construction.
- Environmental Compliance
- Construction – maintain safety protocols per CAWC's standards and maintain a Green Flag status on AVETTA
- Acceptance Testing
- Quality Management – ensure a comprehensive and effect construction per CAWC's objectives
- Operation and Maintenance Training

After the award of contract, HHCI's management team will visit the site and meet with CAWC's representative. During the visit, HHCI will also confirm the location of the laydown area, community outreach, traffic control, Site Specific Safety Plan requirements, material delivery schedules, confirm daily work hours and the scope of work



HHCI's PDT team will begin with a kick off meeting in which our team will discuss **preconstruction coordination efforts, materials' submittals; CAW furnished materials, lay down area, jobsite requirements, contractor and subcontractor badging**, and other project requirements including jobsite security. In doing so, equipment mobilization and the setup of laydown area will begin, followed by the following:

- Install construction area signs
- Install BMPs as required
- Install temporary fence as required
- MUTCD Traffic Control
- Install Pipe & Fittings including shoring
- Install concrete pads
- Install Electrical & Instrumentation

*All work will be Prevailing Wage*

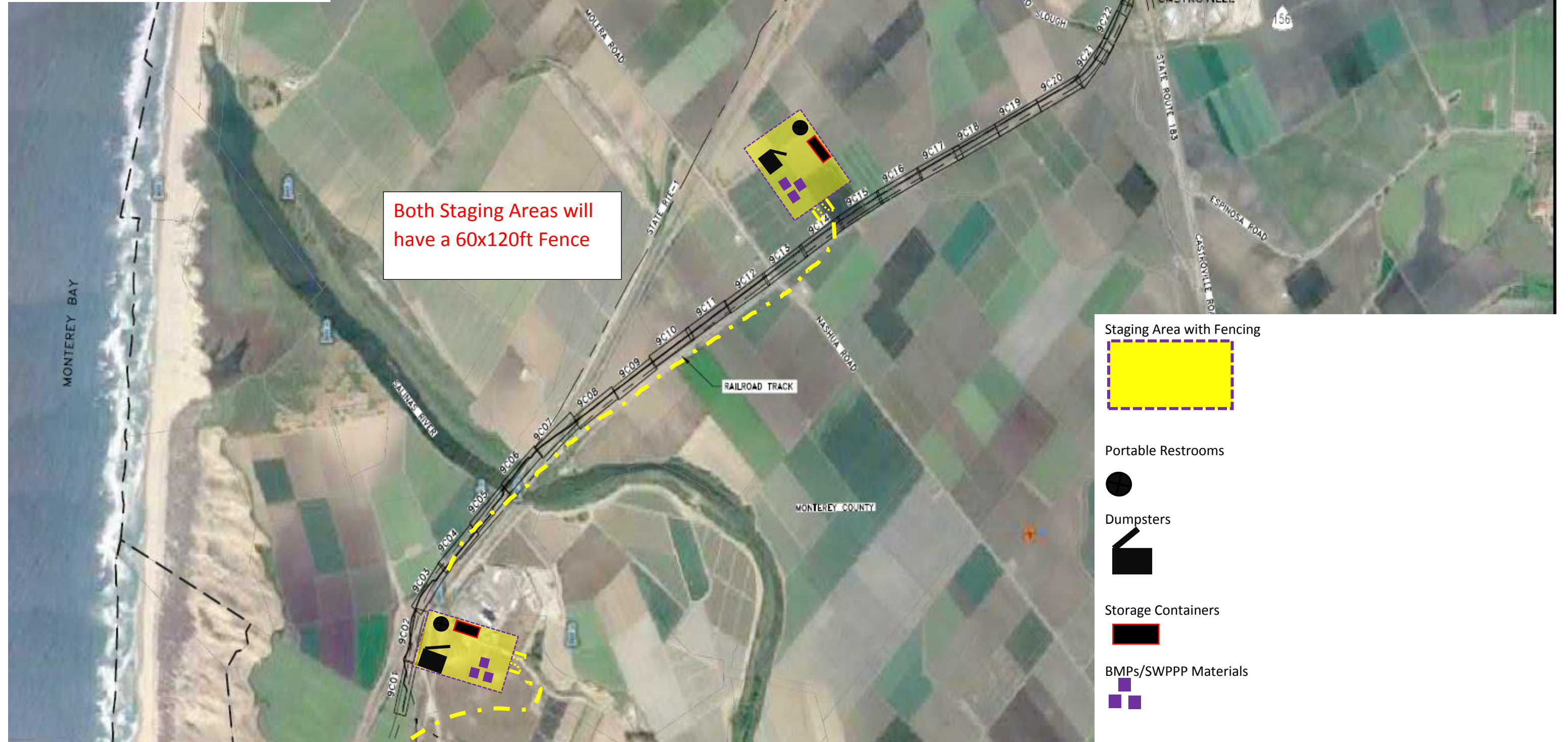
For successful execution of the **Construction of Castroville Pipeline**, HHCI will employ its vast resources including:

- An experienced Project Delivery Team, specifically selected from over **182+ team members**, possessing highly relevant CAWC experience, especially in new underground utility construction.
- Over **\$13.7M** in owned, operated, maintained, and CARB-compliant heavy equipment
- Multiple **in-house** crews, with current **safety protocol expertise**, and **safety training**.
- **Experienced, pre-qualified**, and **vetted** subcontractors and suppliers

As the recently awarded **2019 American Water National Safe Contractor of the Year**, HHCI Project Delivery Team **stands ready to deliver** this complex and challenging project!



Project Delivery Team	Role, Responsibility & Function	Years of Experience
<b>Kirby Hays</b> CEO, Principal in Charge	Project Executive, project oversight and program-wide resource management, project construction methods consultant, program planning for staffing, scheduling, logistics, and project resources, technical consultation with A/E and subcontractors, safety and quality management consultation with project teams.	<b>18 years</b>
<b>Jeff Geist</b> Vice President	Corporate Executive, project oversight, resource management and corporate sustainability measures and initiatives	<b>44 years</b>
<b>Matt Goddard</b> Corporate Scheduler	Creation of initial schedule, sequencing of phases, resource loaded CPM schedule, 3-week look-ahead schedule and updates to HHCI Master Schedule	<b>21 years</b>
<b>Jerry Neuman</b> General Superintendent	Oversight of HHCI's Superintendents and Self-Performing Crew Members, and equipment fleet resource management	<b>21 years</b>
<b>Tom Lancaster</b> Safety & Health	Corporate Safety Program & Site-Specific Safety Plans & Training, conducts safety operations, implements safety standards, safety training, reviews safety issues, prepares safety reporting	<b>21 years</b>
<b>Jason Flowers</b> Quality Control	Corporate QC/QA Program, operation of project quality control system, QC plans, procedures, CQM forms, checklists, reports prep and initiates procedures for inspection, testing, evaluation, and assessment	<b>14 years</b>
<b>Karun Mani</b> Project Manager	Project Management of construction phase, project financial goals, creation of seamless project delivery team. Intimate knowledge of CAWC processes and standards	<b>9 years</b>
<b>Aaron Imera</b> Superintendent / Quality Control Manager/Site Safety Health Officer	Coordination of HHCI resources (labor, equip., staff, crew), management of project production, supplemental quality control and safety support, project estimation review, technical consultation with subcontractors, leadership of project efforts into effective teams, plans, directs and coordinates operational and logistical activities at the project level. Executes the Quality Control Plan and assures quality workmanship across Project Delivery Team members. Safety Program & Site-Specific Safety Plans & Training, conducts safety operations, implements safety standards, safety training, reviews safety issues, prepares safety reporting	<b>15 years</b>
<b>Nigee Kalladithodi</b> Lead Project Engineer	Support the entire Project Delivery Team and provides technical consultation with subcontractors. Supports the daily submittal, schedule requirements, documentation and coordination needs of the project.	<b>8 years</b>
<b>Jwalit Kansara</b> Lead Technical Specialist	Coordinate with Project Delivery Team to oversee the technical aspects of a project during construction. Work on traffic control plan, quality assurance plan, and quality control plan.	<b>8 years</b>



**PROPOSAL FORM 2**

**NON-COLLUSION AFFIDAVIT**

STATE OF CALIFORNIA )  
: SS.:  
COUNTY OF RIVERSIDE )

I, **KIRBY S. HAYS**, a resident of **RIVERSIDE**, in the State of **CALIFORNIA**, of full age, being duly sworn according to law, on my oath depose and say that:

5.2.3.1.17.1.1.1.1 I am the **CEO** of, **HAL HAYS CONSTRUCTION, INC.**, formed in the state of

**CALIFORNIA**, the Proposer making the Proposal in response to the Request for Proposals for the Monterey Peninsula Water Supply Project Castroville Pipeline issued by California-American Water Company on **July 23, 2019**, as amended, and that I executed said Proposal with full authority to do so;

5.2.3.1.17.1.1.1.2 The prices in this Proposal have been arrived at independently without collusion, fraud, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other Proposer or with any competitor;

5.2.3.1.17.1.1.1.3 Unless otherwise required by law, the prices which have been quoted in this Proposal have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by the Proposer prior to opening, directly or indirectly, to any other Proposer or to any competitor; and

5.2.3.1.17.1.1.1.4 No attempt has been made or will be made by the Proposer to induce any other person or entity to submit or not to submit a Proposal for the purpose of restricting competition.

I, hereby affirm under the penalties of perjury that the foregoing statements are true.

**HAL HAYS CONSTRUCTION, INC.**

\_\_\_\_\_  
Name of Proposer

**Kirby S. Hays**

\_\_\_\_\_  
Name of Designated Signatory

  
\_\_\_\_\_  
Signature

**CEO**

\_\_\_\_\_  
Title



**(Use State-Appropriate Form for Notary Public)**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2019, before me appeared [DESIGNATED SIGNATORY], who is [INSERT TITLE] of [INSERT PROPOSER], a [INSERT STATE AND TYPE], personally known to me to be the person described in and who executed this Transmittal Letter and acknowledged that she/he signed the same freely and voluntarily for the uses and purposes therein described.

In witness thereof, I have hereunto set my hand and affixed my official seal the day and year last written above.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_

(Seal)

\_\_\_\_\_  
(Name Printed)

Residing at \_\_\_\_\_

Commission Number \_\_\_\_\_

*[Handwritten signature in blue ink]*

*See Attached Notary Certificate*

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Riverside )

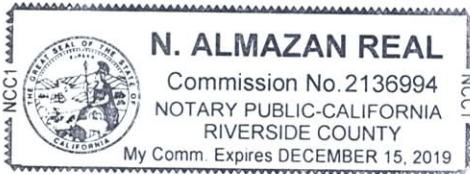
On July 19, 2019 before me, N. Almazan Real, Notary Public,  
Date Here Insert Name and Title of the Officer

personally appeared Kirby S. Hays  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/it~~ executed the same in his/~~her/its~~ authorized capacity(ies), and that by his/~~her/its~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature N. Almazan Real  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document Proposal Form 2 Non-Collusion Affidavit Document Date: 07-19-2019

Number of Pages: One (1) Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Kirby S Hays

- Corporate Officer — Title(s): CEO
- Partner —  Limited  General
- Individual  Attorney in Fact
- Trustee  Guardian or Conservator
- Other: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Individual  Attorney in Fact
- Trustee  Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing Hal Hays Construction, Inc

Signer Is Representing: \_\_\_\_\_

**PROPOSAL FORM 3**

**DISCLAIMER STATEMENT**

The information contained in or otherwise provided in connection with the Request for Proposals for the Monterey Peninsula Water Supply Project Castroville Pipeline (the "RFP") issued by California-American Water Company ("CAWC") on **July 23, 2019**, as amended, has been prepared by CAWC and, while such information is believed to be accurate and reliable, except as otherwise expressly set forth in the RFP, CAWC makes no representation as to such accuracy or reliability. In no way shall any such information constitute a representation or warranty by CAWC or any of its officials, employees, agents, consultants, attorneys, representatives, contractors, or subcontractors (the "CAWC Representatives"). The Proposer hereby releases and forever discharges CAWC and the CAWC Representatives from any and all claims which such Proposer has, had or may hereafter have arising out of any information contained in or otherwise provided in connection with the RFP. Any party who intends to submit a response to this RFP is specifically invited to independently verify the accuracy of the information contained herein.

**HAL HAYS CONSTRUCTION, INC.**

\_\_\_\_\_  
Name of Proposer

**Kirby S. Hays**

\_\_\_\_\_  
Name of Designated Signatory

  
\_\_\_\_\_  
Signature

**CEO**

\_\_\_\_\_  
Title



**GENERAL PROJECT INFORMATION**

**A. General Project Team Information**

<b>Project Title:</b>	<b>Construction of Castroville Pipeline</b>		
<b>Offeror Name:</b>	<b>Hal Hays Construction, Inc.</b>	<b>DUNS No.:</b>	788553032
<b>Contractor's License No.</b>	667560	<b>Tax ID</b>	54-2084366
<b>Mailing Address:</b>	4181 Latham St. Riverside, CA 92501	<b>Phone</b>	(951) 788-0703

Founded in 1991 and celebrating over 28 years of service to clients, Hal Hays Construction, Inc. (HHCI) is an award-winning design build construction corporation providing vertical construction and civil construction services for Public Utilities, Water Agencies, Military Government and Private clients throughout the Western states. HHCI's portfolio includes 1,000+ successful new construction, heavy civil, wet utilities, and renovation/TI projects. Also, HHCI possesses extensive expertise in these highly relevant areas, for example, multi-site/concurrent project coordination, Design Build Services, wet utility projects: pipe lines, pump stations, and waste water treatment plants.

HHCI possesses long-term expertise in heavy horizontal and wet utility construction projects with 1000+ completed projects valued at over \$862 Million. HHCI has over 28 years of heavy horizontal and wet utility construction experience, including pump stations, water reservoirs, pipe lines, work within environmentally sensitive areas, and minimization of soil disturbance.

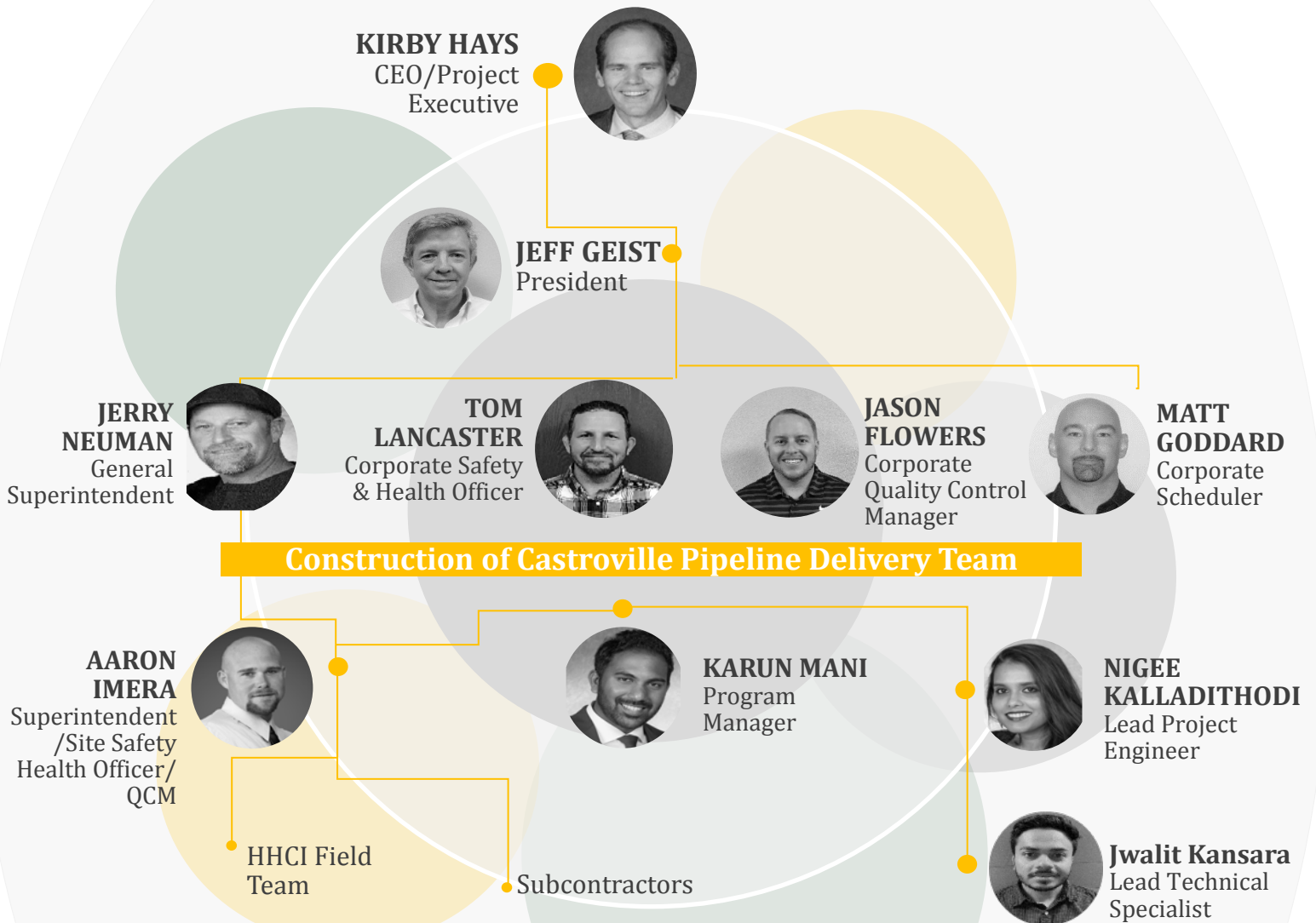
**ORG CHART**

HHCI's projects are led by a Project Executive, Operation Manager, Project Manager, onsite Superintendent/QCM/Site Safety Rep., and Project Engineer who assure each project phase is seamlessly connected. Please see below Organizational Chart and hierarchy illustrating HHCI's Project Delivery Team

The corporate headquarters serves as the central location for all administrative, accounting and contractual processes, primary estimating, and program and executive management. The Project Delivery Team (PDT) is assigned specific resources from Executive & Program Mgmt., QC & Safety Mgmt., Project Management, A/E Design, and Project Support Ops teams, including: Admin., IT, Proposal Development, Subcontracts, Finance & Accounting, Scheduling, Dispatch, HR, Equip. Mgmt., Close Out, Project Controls, Estimating and Contracts. This matrix organization represents a proven strategy to achieve construction management of HHCI's numerous, geographically-dispersed projects.



# Operations Organization Chart





HHCI possesses **multiple in-house crews**, specializing in: **demolition, site construction, heavy civil work, utilities, concrete and asphalt paving, interior work, general labor, and equipment/supply transportation**, as well as a **\$13.7M heavy equipment fleet**.

HHCI will select from its **89 self-performing in-house crew members** to mobilize the project **without interruption** to operations and to meet the fast-paced tempo required by the project. HHCI's crews deliver successful projects because they have **worked together on relevant projects** and share established **work processes** and **problem-solving skills**.

For the **Construction of Castroville Pipeline Project**, HHCI will **self-perform** the following **work activities**:

- **Project Management**
- **Hardscape Demolition**
- **Structural Concrete**
- **Site Concrete**
- **Pipe Hanging Operations (Monte Bridge)**
- **Site Utilities (Water)**
- **Excavation**
- **Backfill**

The team's proven **excellent safety records** and **outstanding project evaluations** further demonstrate the capability and experience of **its in-house crews** to **deliver a safe and quality project**.

HHCI has selected the following Subcontracts:

Subcontractor	Trade
	Electrical / Instrumentation
	Fencing
	HDD
	Jack & Bore
Underground Solutions	PVC Pipe Fusion
Superior Hydroseeding	Hydroseeding



HHCI's project team members are able to work coherently and effectively in order to bring quality work to our clients. With projects throughout California, our Project Manager and Superintendents assure their time is devoted to every project they are involved in.

Below is the current workload of our Project Manager and Superintendent/SSHO/ QC Manager on this project:

**Karun Mani - Project Manager**

Current Workload - Project Name	Completion Date
\$207K California American Water Silver Strand Water Main Upgrade, Imperial Beach, CA	November 2019
Project Role and Responsibility	
Project Management of construction phase, creation of seamless project delivery team.	

**Aaron Imera – Superintendent / Site Safety Health Officer / QC Manager**

Current Workload - Project Name	Completion Date
\$207K California American Water Silver Strand Water Main Upgrade, Imperial Beach, CA	November 2019
Project Role and Responsibility	
Coordination of HHCI resources (labor, equip., staff, crew), project financial goals, management of project production, supplemental quality control and safety support, project estimation review, technical consultation with subcontractors, leadership of project efforts into effective teams, plans, directs and coordinates operational and logistical activities at the project level. Executes the Quality Control Plan and assures quality workmanship across Project Delivery Team members. Safety Program & Site-Specific Safety Plans & Training, conducts safety operations, implements safety standards, safety training, reviews safety issues, prepares safety reporting	

**B. Proposal Form 4: Key Personnel.**

Please refer to attached Proposal Form 4: Key Personnel

**C. Diverse Business Enterprise Utilization Plan:**

Hal Hays Construction Inc. is a **Native American-Owned** MBE Firm (CPUC & NMSDC certified) firm.

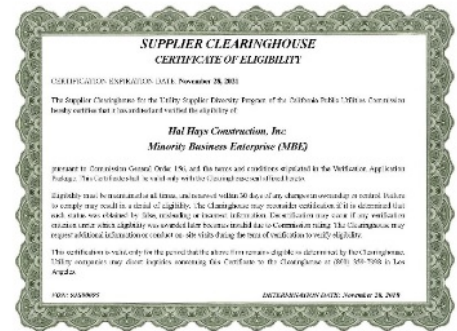
In support of Cal American Water's Supplier Diversity program, HHCI continually seeks experienced subcontractors, subconsultants, suppliers, and vendors to play key roles on our project teams. As a leading member of the **Diverse Business community**, HHCI has supported Small and Diverse businesses since its inception. HHCI understands and encourages subcontractor and supplier participation in various small and diversity programs for the firm's federal, state, public utilities, and private industry projects.





HHCI's **certified small and diverse business** partners include:

- SBA 8(a) Business Enterprises
- Service Disabled Veteran Owned Small Business Enterprise (SDVOSBEs)
- Veteran Owned Business Enterprises (VBEs)
- Disadvantaged Business Enterprise (DBEs)
- Historically Underutilized Business Zone firms (HUBZone firms)
- Minority Business Enterprises (MBEs)
- Small Business Enterprise (SBEs)
- Women Owned Small Business Enterprises (WOSBEs)
- LGBT Business Enterprises (LGBTs)



HHCI is currently participating in the **Partnering Forward for Success** program as part of California America Water's umbrella. The Partnering Forward for Success program is designed to strengthen the area's economy and enhance job creation through corporate partnerships with local minority business enterprises (MBE).

The firm utilizes its online [Subcontractor/Consultant/Vendor Prequalification](#) form and **ISqFt.com construction software** bidding tools to solicit, prequalify and engage potential Divers Business enterprises.

#### D. Local Resource Utilization Plan

HHCI has made every attempt to meet the RFP requirement of 50% of Local Resources Utilization. Due to the lack of responses and decline of participation, our resources were limited. Please see attached Local Utilization Plan:



**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Kirby S. Hays

Firm: HAL HAYS CONSTRUCTION, INC.

Title: CEO

Year employed by firm: 18 years

Total Professional Experience: 18 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment CEO/Project Executive

Description of Role/Responsibilities:

project oversight and program-wide resource mangement.

<b>Commitment<sup>4</sup></b>	<b>Permitting</b> <u>15%</u>	<b>Construction</b> <u>20%</u>
		<b>Startup and Testing:</b> <u>15%</u>

Footnotes:

<sup>1</sup> Proposers shall duplicate this form for all Key Personnel. Refer to subsection 4.4.2 of the RFP for a list of the minimum personnel for which this form shall be completed.

<sup>2</sup> Please indicate any staff that has changed from that provided in the Statement of Qualifications in accordance with subsection 4.4.2 of the RFP. Attach pages as necessary.

<sup>3</sup> Where applicable, key construction personnel must provide either: (1) proof of current California licensure; or (2) if not currently licensed in California, a detailed plan to obtain a required California license no later than the effective date of the Contract.

<sup>4</sup> Commitment indicates the amount of time (in percent) that the individual would be available to work on the Project during the construction, start-up and testing phases of the Project. Indicate by "N/A" where the individual is not proposed to be involved in a particular phase of the Project.

**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Jeff Geist

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Vice President

Year employed by firm: 3 years

Total Professional Experience: 44 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment Vice President

Description of Role/Responsibilities:

Project oversight, resource management, and corporate sustainability measures.

**Commitment<sup>4</sup>**      **Permitting** 20%      **Construction** 25%

**Startup and Testing:** 20%

Footnotes:

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**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Matt Goddard

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Corporate Scheduler

Year employed by firm: 7 years

Total Professional Experience: 21 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment Corporate Scheduler

Description of Role/Responsibilities:

Creation of initial schedule, sequencing phases, updates to HHCI Master Schedule

<b>Commitment<sup>4</sup></b>	<b>Permitting</b> <u>10 %</u>	<b>Construction</b> <u>20%</u>
		<b>Startup and Testing:</b> <u>20%</u>

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**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Jerry Neuman

Firm: HAL HAYS CONSTRUCTION, INC.

Title: General Superintendent

Year employed by firm: 16 years

Total Professional Experience: 28 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment General Superintendent

Description of Role/Responsibilities:

Oversight of HHCI's superintendents and self-performing crew members.

<b>Commitment<sup>4</sup></b>	<b>Permitting</b> <u>N/A %</u>	<b>Construction</b> <u>40%</u>
		<b>Startup and Testing:</b> <u>20%</u>

Footnotes:

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**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Tom Lancaster

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Corporate Safety and Health Officer

Year employed by firm: 2 years

Total Professional Experience: 21 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> EM 385-1-1 / 2017 OSHA 500 / 2015

**Project-Specific Information**

Title/Assignment Corporate Safety and Health Officer

Description of Role/Responsibilities:

Conducts safety operations, implements safety standards and safety training.

**Commitment<sup>4</sup>**      **Permitting**     N/A %                          **Construction**     33 %    

**Startup and Testing:**     10 %    

Footnotes:

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**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Jason Flowers

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Director of Quality Control

Year employed by firm: 4 years

Total Professional Experience: 14 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment Director of Quality Control

Description of Role/Responsibilities:

Operation of quality control system, QC Plans, reports prep and initiates procedures for inspection.

**Commitment<sup>4</sup>**      **Permitting** 20%      **Construction** 40%

**Startup and Testing:** 65%

Footnotes:

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**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Karun Mani

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Project Manager

Year employed by firm: 3 years

Total Professional Experience: 9 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment Project Manager

Description of Role/Responsibilities:

Project Management of construction phase, creation of seamless project delivery team.

**Commitment<sup>4</sup>**      **Permitting** 75 %      **Construction** 85 %

**Startup and Testing:** 100 %

Footnotes:

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**PROPOSAL FORM 4**

**KEY PERSONNEL<sup>1</sup>**

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

**General Information<sup>2</sup>**

Name: Aaron Imera

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Superintendent

Year employed by firm: 7 years

Total Professional Experience: 15 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

**Project-Specific Information**

Title/Assignment Superintendent / Safety Manager / QC Manager

Description of Role/Responsibilities:

Coordination HHCI resources, project financial goals, executed QC Plans, conducts safety operations.

<b>Commitment<sup>4</sup></b>	<b>Permitting</b> <u>10%</u>	<b>Construction</b> <u>100%</u>
	<b>Startup and Testing:</b> <u>100%</u>	

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## PROPOSAL FORM 4

### KEY PERSONNEL<sup>1</sup>

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

#### **General Information**<sup>2</sup>

Name: Nigee Mani

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Lead Project Engineer

Year employed by firm: 2 years

Total Professional Experience: 8 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> \_\_\_\_\_

#### **Project-Specific Information**

Title/Assignment Lead Project Engineer

Description of Role/Responsibilities:

Support entire Project Delivery Team and provide technical consultation with subcontractors.

<b>Commitment</b> <sup>4</sup>	<b>Permitting</b> _____ %	<b>Construction</b> _____ 50 %
	_____	<b>Startup and Testing:</b> _____ 50 %

Footnotes:

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## PROPOSAL FORM 4

### KEY PERSONNEL<sup>1</sup>

*(Copy and complete this form for Key Personnel. Attach additional pages along with organizational charts as needed)*

#### **General Information**<sup>2</sup>

Name: Jwalit Kansara

Firm: HAL HAYS CONSTRUCTION, INC.

Title: Lead Technical Specialist

Year employed by firm: 3 years

Total Professional Experience: 8 years

Professional Registration and Licenses (type/number/state/year)<sup>3</sup> N/A

#### **Project-Specific Information**

Title/Assignment Lead Technical Specialist

Description of Role/Responsibilities:

Support entire Project Delivery Team and provide technical consultation with subcontractors.

<b>Commitment</b> <sup>4</sup>	<b>Permitting</b> _____ %	<b>Construction</b> _____ 50 %
	_____	<b>Startup and Testing:</b> _____ 50 %

Footnotes:

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Hal Hays Construction Inc.									
NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE							
		a. TOTAL	b. WITH CURRENT FIRM						
<b>Kirby Hays</b>	Principal In Charge/CEO	18 Years	18 Years						
<b>FIRM NAME AND LOCATION (<i>City and State</i>)</b> Hal Hays Construction, Inc., Riverside, CA									
<b>EDUCATION (<i>Degree, Specialization, Training &amp; Certification</i>)</b> <ul style="list-style-type: none"> <li>▪ 2002 – Current, Crafton Hills College Business Administration and Engineering</li> <li>▪ Class A Contractors License (General Engineering)</li> <li>▪ Class B Contractors License (General Building)</li> <li>▪ Class C-8 Contractors License (Concrete)</li> <li>▪ 2008 SureTrak Certified</li> <li>▪ 2004 NAVFAC Quality Control Certified</li> <li>▪ 2004 10-Hour OSHA Safety Training for Construction Industry Certified</li> <li>▪ 2008 ABC Estimating 101</li> <li>▪ 2008 ABC Starting a Construction Project</li> <li>▪ Subcontractor &amp; Site Safety Management Training</li> </ul>									
<b>OTHER PROFESSIONAL QUALIFICATIONS (<i>Relevant</i>)</b> Mr. Hays has extensive Department of Defense, Government, Public Works, and Design Build experience related to wet utilities, heavy civil, and new construction. Mr. Hays maintains specific experience in this project's work areas such as: wet utilities, BMP implementation; demolition; heavy civil and grading; demolition, potable water systems, sewage mains, earthwork, pipe installation, installation of wet wells; and traffic control measures  <b>Software Skills:</b> MS Windows Professional - MS Office Suite, SureTrak, and Sage Master Builder  <b>Job Skills:</b> Project Management, Quality Control, Scheduling, and Safety Tasks  For the following projects, Mr. Hays executed the role of Principal in Charge, including: program-wide coordinating and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight and program-wide resource management including project construction methods consultant, program planning for staffing, scheduling, logistics, and project resources, technical consultation with A/E and subcontractors, safety and quality management consultation with project teams.									
<b>EMPLOYMENT HISTORY</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">2014 - Present</td> <td style="width: 45%;">Hal Hays Construction, Inc., Riverside CA</td> <td style="width: 40%;">Project Executive/President &amp; CEO</td> </tr> <tr> <td>2001 - 2013</td> <td>Hal Hays Construction, Inc., Riverside CA</td> <td>General Manager/Project Manager</td> </tr> </table>				2014 - Present	Hal Hays Construction, Inc., Riverside CA	Project Executive/President & CEO	2001 - 2013	Hal Hays Construction, Inc., Riverside CA	General Manager/Project Manager
2014 - Present	Hal Hays Construction, Inc., Riverside CA	Project Executive/President & CEO							
2001 - 2013	Hal Hays Construction, Inc., Riverside CA	General Manager/Project Manager							



The following projects represent both vertical and horizontal construction examples where Kirby Hays served as **Principal in Charge/CEO** for project sites throughout California.

**LIST OF COMPLETED PROJECTS EXPERIENCE**

Project Name & Type of Work	Owner Name	Contract Completion Value	Final Completion Date
RCTC Rail Station Improvements/ Civil Construction	Riverside County Transportation	\$1,123,148.00	02/22/2018
SCE San Dieguito Wetlands/ Civil Construction	SCE	\$1,293,949.00	07/28/2017
El Campo Rd Water Main/ Wet Util. Civil Construction	Golden State Water Co.	\$850,288.60	12/30/2017
Elsinore Wash Rack and Site Improvements/ Civil Construction	Caltrans	\$1,802,701.00	11/17/2017
Ontario Police Headquarters Renovation/General Construction	City of Ontario	\$2,386,111.20	10/19/2017
Plant 11 Phase 2 Improvements/ Wet Util, Civil Construction	San Gabriel Valley Water Co.	\$619,600.60	01/10/2017
DB Repair Water Tank/Wet Utility Construction	US Navy	\$1,055,000.00	07/27/2015
DB Improve Intersections/ Civil Construction	US Navy	\$851,528.88	12/09/2016
DB Overhead Utilities Relocate/General Construction	US Army-Louisville	\$4,342,235.14	12/31/2016
DB Repair Area 52 Roads/Civil Construction	US Navy	\$1,564,025.83	12/20/2016
DB Replace Fire Main/ General Construction	US Navy	\$1,271,060.00	06/30/2015
DB Repair Recirculation Lines/General Construction	US Navy	\$1,190,495.00	12/03/2016
DB Repave Various Lots/Civil Construction	US Navy	\$1,838,948.00	12/15/2016
Repairs to Asphalt Parking/Civil Construction	US Navy	\$815,518.00	12/26/2015



RELEVANT PROJECTS		
A.	(1) TITLE AND LOCATION <b>Riverside Downtown Commuter Rail Station Improvements</b> Riverside, CA	(0) YEAR COMPLETED 2018
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  The project includes construction of the Riverside Downtown Commuter Rail Station improvements, including TVM relocation, pedestrian shelters, cart barn, and ADA and parking lot upgrades.  <b>Project Value: \$1M</b> <b>Role: Principal-In-Charge</b>	
B.	(1) TITLE AND LOCATION <b>City of Ontario Police Department Interior Renovations</b> Ontario, CA	(2) YEAR COMPLETED 2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  The project consisted of the construction of approximately 11,000 SF of tenant improvements, including a Dispatch Center, Watch Commander's Office, Briefing Room, Storage Rooms, private offices, etc. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Trades will include, but are not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings, low-voltage cabling, etc.  <b>Project Value: \$2.3M</b> <b>Role: Principal-In-Charge</b>	
C.	(1) TITLE AND LOCATION <b>San Dieguito Excavation &amp; W6A Construction</b> Del Mar, CA	(2) YEAR COMPLETED 2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  This project for Southern California Edison was for the excavation and construction to implement San Dieguito river restoration solutions, including: hydroseeding, erosion control, inlet maintenance, excavation, dredging, and earthwork, lagoon revetment, heavy equipment operations, berms, erosion control, floodwalls, raised elevations, paving, slope protections and retaining walls.  <b>Project Value: \$1.4M</b> <b>Role: Principal-In-Charge</b>	
D.	(1) TITLE AND LOCATION <b>Design Build Renovate 3 Buildings and a Parking Lot</b> Air Force Plant 42, Palmdale, CA	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This <b>Design Build</b> project was for renovation of buildings 552, 553, and 560 and a parking lot at Air Force Plant 42 in Palmdale, CA for USACE. The scope of work included: renovation of a 7,101 SF, 5,345 SF, and 5,782 SF buildings, along with a newly constructed <b>42,975 SF A/C paved parking lot</b> , including: hazardous material abatement; <b>demolition</b> ; masonry wall structural upgrades; mechanical system upgrades; electrical system upgrades; interior partition walls; suspended panel ceilings; restroom renovations; convenience centers; flooring; exterior trash enclosure with <b>concrete pad</b> and CMU walls; <b>parking lot construction</b> , including <b>grading</b> and <b>excavation</b> ; <b>sub-base preparation</b> ; <b>asphalt pavement</b> ; <b>signage</b> and <b>striping</b> ; SWPPP and <b>BMP implementation</b> ; and <b>landscaping</b> . Work was completed at secured, active military airfield with operational facilities. The	

	<p>renovation of Building 552, a single story masonry structure, approximately 7,101 SF, included the removal of existing interior finishes; abatement of hazardous materials; structural upgrades to existing masonry walls for code compliance; reconfiguration of interior spaces for ABA compliance; and creation of open-plan office arrangements. The renovation of Building 553 included: a single story masonry structure; approximately 5,345 SF; removal of existing interior finishes; abatement of hazardous materials; structural upgrades to existing masonry walls for code compliance; reconfiguration of interior spaces for administrative and training offices; a guard assembly and resources room; restrooms; locker/change rooms; a BDOC; and a masonry addition to house mechanical, electrical, and telecommunications equipment; and provided space for storage of security items. The renovation of Building 560 included: a two story pre-engineered metal building, approximately 5,782 SF removal of interior partition walls; abatement of hazardous materials; reconfiguration of the first floor restrooms to comply with ABA requirements; installation of new convenience centers; replacement of floor finishes; suspended panel ceilings; and repairs to the existing vehicle parking area adjacent to Building 560 to provide ABA required accessible routing. The new parking lot will be located south of Building 560 and east of the AF Plant 42 Control Tower. The parking lot shall provide approximately 115 parking stalls, including ABA compliant and motorcycle stalls to serve Building 553's existing fire station and the control tower.</p> <p><b>Project Value:</b> \$5.5M                      <b>Role:</b> President/CEO</p>	
E..	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Repair Hangar 3 &amp; 4 Doors</b> Marine Corps Air Station, Miramar, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2013</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was to repair hangar doors 3 and 4 at the Marine Corps Air Station, Miramar, CA for NAVFAC SW. The scope of work included: <b>demolition</b>; building renovations; structural steel renovations; operational facilities; electrical systems; and <b>working on a secured and active military airfield facility</b>.</p> <p><b>Project Value:</b> \$3.9M                      <b>Role:</b> Project Manager</p>	
F.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Renovation of Exterior NEX Complex Bldg. 16</b> Naval Base Ventura County, Point Mugu, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for exterior renovation of the NEX complex building 16 at the Naval Base Ventura County, Point Mugu, CA for NAVFAC SW. The scope of work included: <b>demolition</b>; abatement; renovation; mechanical systems; plumbing systems; <b>electrical systems</b>; <b>underground utilities</b>; <b>concrete</b>; and working on a secured and active military facility. This <b>project received an Outstanding performance evaluation rating</b>.</p> <p><b>Project Value:</b> \$1.6M                      <b>Role:</b> Project Manager</p>	
G..	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Replace Water System Phase II</b> Vandenberg AFB, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2010-2011</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the replacement of a water system, Phase II, Vandenberg AFB, CA for the U.S. Army Corps of Engineers. The project mandated the provision of all labor, material and equipment necessary to <b>abandon and cap-off approximately 1,200 LF of existing 6"; 15,200 LF of 8"; 1,800 LF of 12"; 4,900 LF of 21" piping system; appurtenances in the main cantonment area</b> at Vandenberg Air Force Base; and replace the old system with new HDPE water pipe system. The scope of work included: <b>demolition; clearing and grubbing; excavation; backfill; compaction; saw-cutting existing asphalt roadways; disposal of debris; trench-line excavation; concrete work; replacement of concrete curbs; gutters, sidewalks and asphalt paving to effect installation of the new</b></p>	

	<p>pipng systems; pressure testing new system; flushing and sterilizing system; bacteriological testing; and re-seeding and landscaping disturbed areas.</p> <p><b>Project Value:</b> \$1.6M                      <b>Role:</b> Project Manager</p>	
H.	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED
	<p><b>Design Build Construct Child Development Center</b> Marine Corps Air Station, Yuma, AZ</p>	2010
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the construction of a Child Development Center that was 12,750 SF, at MCAS, Yuma, Arizona. The new building was self-certified at LEED Gold, is a separate structure and is sited at the existing tennis courts facility adjacent to the existing Child Care Center in Bldg. 1085. The new single story Annex CDC facility provides 102 additional spaces for new enrollment. Construction consisted of: metal stud exterior walls with stucco; and a standing seam metal roof. The spaces provided included: an entrance lobby; reception/work area; administrative offices; toilet/break staff room; central storage; staff/public toilets; child activity rooms; functional spaces for janitor; laundry; telecommunication; and other facility support spaces. The project included: <b>extensive demolition; grading and excavation; landscape; electrical; and utilities.</b> This project received an <b>Outstanding performance evaluation rating.</b></p> <p><b>Project Value:</b> \$4.8M                      <b>Role:</b> Project Manager</p>	
I.	(1) title and location (City and State)	(2) year completed
	<p><b>Design Build Expansion &amp; Conversion of Bldg. 888 ROICC Offices</b> Yuma, Arizona</p>	2010
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the Expansion and Conversion of Building 888 at Marine Corps Air Station (MCAS), Yuma, AZ. A portion of the existing warehouse area was to be remodeled into a new Resident Officer in Charge of Construction office facility. The expansion of office area into the existing warehouse space consisted of 3,325 SF; and <b>site work to accommodate seven (7) additional parking spaces.</b> The interior remodel portion of this project included: the installation of new finishes; new paint; new flooring; new interior walls; and new ceiling surfaces. In addition, the interior remodel included: 5 private offices; conference room (approx. 396 SF); open office area to include 8 workstations; storage (approx.100 SF); one copy area; and one small coffee area with sink and refrigerator; exterior existing materials are matched to fill-in removed exterior items such as windows and doors; and provide a covered main aluminum-and-glass entrance door assembly. <b>Demolition</b> included: the existing interior/exterior walls; personnel roll-up doors; plumbing fixtures; shower/eye wash; air lines; water heater; service sink; electrical outlets; ventilation ducts; demolition and removal of the deteriorated roof mounted swamp coolers and associated power; and <b>utility connections.</b> In addition, existing shop equipment will be relocated to the adjacent shop space next door. <b>This project received an Outstanding performance evaluation rating along with a Project of Excellence S.A.M.E. Award and Safety Through Awards and Recognition (STAR) Award.</b></p> <p><b>Project Value:</b> \$843K                      <b>Role:</b> Project Manager</p>	
J.	(1) title and location (City and State)	(2) year completed
	<p><b>Design Build Install Photovoltaic Systems, Various Buildings,</b> MCAGCC Twenty-Nine Palms, California</p>	2010
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the installation of Photovoltaic Systems to Various Buildings at Marine Corps Air Ground Combat Center, Twenty-Nine Palms, CA, for the NAVFAC SW. The scope included: the design, construction, permitting, commissioning, and training for a 200-KW DC rooftop solar photovoltaic (PV) system at buildings 1801, 1802, 1803, 1804, 1805, and 1210. The facilities provide shelter for large military tanks. This system consisted of: photovoltaic module array mounted on support brackets for roofs; electrical terminal and combiner boxes; quick-connect electrical connectors; Direct Current (DC) wiring; DC disconnect; grid-connected inverter and</p>	

	isolation transformer; Alternating Current (AC) disconnect; and a web-based data acquisition and monitoring system (DAS). <b>This project received an Outstanding performance evaluation rating and a USACE Safety Through Awards and Recognition (STAR) Award.</b>																
	<b>Project Value:</b> \$2.2M	<b>Role:</b> Project Manager															
K.	(1) title and location ( <i>City and State</i> )	(2) year completed															
	<b>Photovoltaic Carport Structure At Parking Lot 4P Pier 8</b> San Diego, California	2010															
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm																
	This project was for the construction of a Photovoltaic Carport Structure at Parking Lot 4P Pier 8, San Diego, CA. The scope of work included: designing; constructing; and utility interconnection for a 180 KW solar carport photovoltaic (PV) electrical generating system. The PV electrical generating system consist of all components for a complete and usable system including: photovoltaic module array mounted on support brackets; electrical terminal and combiner boxes; quick-connect electrical connectors; Direct Current (DC) wiring; DC disconnect; grid-connected inverter and isolation transformer; Alternating Current (AC) disconnect; and a web-based data acquisition and monitoring system (DAS). <b>This project received an Outstanding performance evaluation rating.</b>																
	<b>Project Value:</b> \$1.6M	<b>Role:</b> Project Manager															
L.	(1) title and location ( <i>City and State</i> )	(2) year completed															
	<b>Design Build Auto Skills Center B1083</b> Twentynine Palms, California	2010															
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm																
	This <b>Design Build</b> project was for the expansion of an existing Auto Skills Center Building 1083, in Twentynine Palms, CA for NAVFAC SW. The scope of work included: adding 10 additional vehicle repair bays of 6,800 SF to the West end of the building; <b>approximately 6,000 SF of concrete paving around the new addition to match the existing concrete paving</b> ; new <b>concrete paving</b> along the North and South side of the new building (connected by a walkway on the West end of the addition); and relocating the employee <b>parking lot</b> and storage compound to the West end. Additional scope of work included: <b>demolition; concrete; asphalt paving; striping and signage</b> ; street lights; fencing; area security lighting; relocate existing tire equipment and associated equipment; ceiling; flooring; interior framing; drywall; electrical and <b>plumbing</b> ; new access from the existing sales area; and installation of new storefront doors through the common wall. <b>This project received an Above Average performance evaluation rating.</b>																
	<b>Project Value:</b> \$1.6M	<b>Role:</b> Project Manager															
M.	(1) title and location ( <i>City and State</i> )	(2) year completed															
	<b>Relevant Projects-Variou Locations</b>	2001 - 2010															
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm																
	The following projects represent both vertical and horizontal construction examples where Kirby Hays served as <b>Project Manager</b> for project sites throughout California and Arizona. Relevant projects to the GO2 Yard Work project are asterisked in blue:																
	<table border="1"> <thead> <tr> <th>PROJECTS</th> <th>CLIENT</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>8033 - MECHANICAL BAR SCREEN, YUMA, AZ</td> <td>BUREAU OF REC.</td> <td>468,468.00</td> </tr> <tr> <td>8192 - <b>DB CDC YUMA *</b></td> <td>NAVFAC</td> <td>4,813,570.34</td> </tr> <tr> <td>8210 - <b>ACCESS CONTROL GATES *</b></td> <td>NAVFAC</td> <td>231,234.00</td> </tr> <tr> <td>8252 - B1591 MCAGCC 29 PALMS *</td> <td>NAVFAC</td> <td>766,242.77</td> </tr> </tbody> </table>		PROJECTS	CLIENT	VALUE	8033 - MECHANICAL BAR SCREEN, YUMA, AZ	BUREAU OF REC.	468,468.00	8192 - <b>DB CDC YUMA *</b>	NAVFAC	4,813,570.34	8210 - <b>ACCESS CONTROL GATES *</b>	NAVFAC	231,234.00	8252 - B1591 MCAGCC 29 PALMS *	NAVFAC	766,242.77
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	8257 - RESTORE B1175 DNITL CLNC , YUMA, AZ	USACE	641,987.07
	8287 - <b>DB</b> WHALE OVERLOOK	NPS	1,105,911.40
	8301 - JOSHUA TREE BOULDERS	NPS	78,910.00
	8306 - <b>BUILDING 333 PAVING</b> *	NAVFAC	223,418.00
	8309 - ROOFTOP PV Sys. B-1239 & 1235 *	NAVFAC	489,307.97
	9021 - CONSTRUCT RADAR TEST FACILITY *	NAVFAC	129,365.28
	9028 - REPLACE ALUMINUM LINE COTTONWOOD	NPS	186,453.95
	9078 - <b>ASPHALT</b> DELIVERY JOSHUA TREE	NPS	47,200.00
	9137 - <b>DB</b> VARIOUS SIDEWALKS	NAVFAC	465,557.00
	9158 - INSTALL PHOTOVOLTAIC SYSTEM *	NAVFAC	2,225,913.24
	9166 - <b>DB</b> AUTO SKILLS CTR B1083	NAVFAC	1,619,985.50
	9203 - RESURFACE COMPASS ROSE	NAVFAC	147,741.00
	9218 - YOSEMITE VOGELSANG HIGH SIERRA	NPS	378,163.05
	9224 - <b>DB</b> PHOTOVOLTAIC CARPORT *	NAVFAC	1,595,038.52
	9226 - <b>DB</b> SECURITY IMPROVEMENTS *	NAVFAC	489,008.00
	9238 - REPAIR POOL 1507	NAVFAC	1,634,569.23
	9239 - <b>DB</b> 3RD CEB ADMIN FACILITY *	NAVFAC	423,675.70
	9266 - <b>DB</b> CONSTRUCT BAND HALL	NAVFAC	839,401.89
	9270 - DRMO <b>PAVING AND STRIPING</b>	USACE	872,356.31
	10026 - SITE DEMO SAUGUS *	BLM	18,385.20
	10035 - <b>DB WASH RACK</b> *	NAVFAC	3,007,432.00
	10223 - <b>INSTL TRAFFIC CALMING SYSTEM</b> *	USAF	107,079.80
	10253 - <b>DB</b> WAREHOUSE MCAS YUMA	NAVFAC	843,903.00
	10312 - REPAIR TRAINING TANK B62517	NAVFAC	1,832,832.66
	(1) TITLE AND LOCATION (CITY AND STATE)		(1) YEAR COMPLETED
	<b>Yosemite Bridge and Site Improvement Construction</b> Yosemite National Park, CA		2009
N.	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, PROJECT VALUE, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM  This project was for the <b>design</b> and <b>replacement</b> of the Yosemite Creek Bridge at Yosemite National Park, CA. The project included: demolition of existing bridge; install temporary creek crossing path; and placement of erosion control measures (riprap embankments; rock slope protection; filter fabric; native willows), new wood/steel bridge construction, excavation; new abutments and wingwalls; new footings; install bridge structural steel, bracing, and salvaged planks/guardrails; and install stone veneer, grade for paving; install base; install asphalt pavement; repair potholes; and fine grade site.  <b>Project Value:</b> \$724K <b>Role:</b> Principal-In-Charge		



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jerry Neuman	General Superintendent	21	16
FIRM NAME AND LOCATION <i>(City and State)</i> Hal Hays Construction, Inc., Riverside, CA			
EDUCATION <i>(Degree, Specialization, Training &amp; Certification)</i>			
<ul style="list-style-type: none"> <li>▪ 1987 Universal Technical Institute, Phoenix AZ, Occupational Associate Degree</li> <li>▪ 1986 Big Bear High, Big Bear Lake, CA</li> <li>▪ 2012 EM 385-1-1 40-Hour</li> <li>▪ OSHA 30-Hour Certificate</li> <li>▪ OSHA 10-Hour Certificate</li> <li>▪ 2014 CPR &amp; First Aid Training</li> <li>▪ Subcontractor &amp; Site Safety Management Training</li> <li>▪ SureTrak Certified</li> <li>▪ Contractor Fire Line Safety Training</li> <li>▪ Emergency Equipment Operator Certified</li> <li>▪ Forestry Safety &amp; Operational Training</li> <li>▪ The Competent Person Training</li> <li>▪ Confined Space Entry Training</li> <li>▪ Excavation &amp; Trenching Training</li> <li>▪ Fall Protection Training</li> <li>▪ 2012 Aerial Lift Training</li> <li>▪ 2012 All Terrain Powered Industrial Truck Training</li> <li>▪ Powder Actuated Tools Training</li> <li>▪ 40-Hour Bid-Well Service School Safe Operation &amp; Maintenance Bid-Well 6500</li> <li>▪ Dust Control Training</li> </ul>			
OTHER PROFESSIONAL QUALIFICATION			
<p>Mr. Neuman has experience related to <b>underground wet utilities</b> (including distribution piping, valves, and connections), <b>Design-Build facility improvements and civil construction</b>. He has project experience specific to work areas such as: <b>demolition; earthwork; grading; excavation and trenching; concrete structures, paving; traffic control measures;</b> and Department of Defense work on military sites.</p> <p><b>Software Skills:</b> MS Windows, Outlook, and SureTrak</p> <p><b>Job Skills:</b> Superintendent/SSHO/Quality Control, Earthwork, and Safety Tasks</p> <p>For the following projects, Mr. Neuman executed the role of General Superintendent, including: Program-wide coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight and program-wide resource management including project construction methods consultant, program planning for staffing, scheduling, logistics, and project resources, technical consultation with A/E and subcontractors, safety and quality management consultation with project teams. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
2017 - PRESENT	HAL HAYS CONSTRUCTION, INC., RIVERSIDE, CA	GENERAL SUPERINTENDENT	
2015 - 2017	STRONGHOLD ENGINEERING	SUPERINTENDENT	
2003 - 2015	HAL HAYS CONSTRUCTION, INC., RIVERSIDE, CA	GENERAL SUPERINTENDENT	
2001 - 2003	BEAR VALLEY PAVING, BIG BEAR LAKE, CA	SUPERINTENDENT/HEAVY EQUIPMENT OPERATOR	
1998 - 2001	AJ APROJECT VALUEA COMPANY, BIG BEAR LAKE, CA	SUPERINTENDENT/HEAVY EQUIPMENT OPERATOR	
1988 - 1998	CEDAR LAKE CAMP, BIG BEAR LAKE, CA	MAINTENANCE SUPERVISOR/HEAVY EQUIPMENT OPERATOR	



RELEVANT PROJECTS			
a.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION <b>Design Build San Jacinto Road Extension</b> Marine Corps Base, Camp Pendleton, CA</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED  2017-2018</td> </tr> </table>	(1) TITLE AND LOCATION <b>Design Build San Jacinto Road Extension</b> Marine Corps Base, Camp Pendleton, CA	(2) YEAR COMPLETED  2017-2018
	(1) TITLE AND LOCATION <b>Design Build San Jacinto Road Extension</b> Marine Corps Base, Camp Pendleton, CA	(2) YEAR COMPLETED  2017-2018	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  Design Build San Jacinto Road Expansion at Marine Corps Base Camp Pendleton, CA. This <b>MILCON</b> project provided road and traffic circulation improvements to the entire installation and improved traffic flow and pedestrian safety.  The project's work scope includes <b>included site clearing and grubbing, excavation/grading and shoring, roadway base materials, relocation of existing utilities such as power poles fire hydrants, storm drain inlets and structures, sewer mains and man holes, electrical conduits and pull boxes, traffic mitigation, sidewalks on both sides of the street, concrete curb &amp; gutters (both sides of the street), landscaping (temp and permanent), masonry fencing/walls for retaining, striping, signs and storm water drainage. .</b>  <b>Project Value: \$4.3M Role: General Superintendent</b>			
b.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION <b>EDA Repave French Valley Airport</b> Murrieta, CA</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED  2017</td> </tr> </table>	(1) TITLE AND LOCATION <b>EDA Repave French Valley Airport</b> Murrieta, CA	(2) YEAR COMPLETED  2017
	(1) TITLE AND LOCATION <b>EDA Repave French Valley Airport</b> Murrieta, CA	(2) YEAR COMPLETED  2017	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project was for the County of Riverside French Valley Airport, South Apron Pavement Reconstruction. The project consisted of demolition and removal of existing tie-down anchors. Demolition of the existing pavement by saw cutting and pulverization. Excavation of the subgrade involving, earthwork, spoiling, compaction, and grading, placement of aggregate base and fine grading. Installation of prefabricated trench drain and associated outlet piping. Installation of concrete valley gutter. Paving, coring and pavement marking. Construction of new tie-down anchors.  <b>Project Value: \$1.6M Role: Superintendent</b>			
c.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION <b>City of Blythe Repave Broadway</b> Blythe, CA</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED  2017</td> </tr> </table>	(1) TITLE AND LOCATION <b>City of Blythe Repave Broadway</b> Blythe, CA	(2) YEAR COMPLETED  2017
	(1) TITLE AND LOCATION <b>City of Blythe Repave Broadway</b> Blythe, CA	(2) YEAR COMPLETED  2017	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  The project consisted of the street improvements to Broadway Boulevard from 14th Avenue to Hobson Way and from Barnard Street to Station 8+83.73. The project included cold planning of existing pavement, the removal and disposal of various existing sections of curb and gutter, sidewalk, cross gutters, driveways and handicap curb returns. The grade adjustment of various utility appurtenances, the crack sealing of the roadway, the placement of a stress absorbing membrane interlayer (SAMI) over the roadway, the installation of new sections of curb and gutter, sidewalk, handicap ramps, spandrels, cross gutters and driveways. Also, the installation of a 2-inch-thick layer of new asphalt concrete over the entire roadway.  <b>Project Value: \$1.1M Role: General Superintendent</b>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED</td> </tr> </table>	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
(1) TITLE AND LOCATION	(2) YEAR COMPLETED		



d.	<b>Eagle Canyon Debris Basin/Dam</b> Cathedral City, CA	2015
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project constructed a new dam and debris basin, including mass earthwork (65,000 CY remediation export, 300,000 CY excavation), erosion control, blasting operations, and 2,300CY drainage structures. Oversight of in-house crews including: demolition, equipment operators, site utilities (storm drain), concrete, and excavation/grading. This project provided flood detention and hazard mitigation of rain, mud, and debris for Cathedral City.  <b>Project Value: \$10.5M Role: General Superintendent</b>	
e.	(1) TITLE AND LOCATION <b>Design-Build Replace Fire Sprinklers at Buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404</b> Defense Distribution Depot and Marine Corps Logistics Base Barstow, CA	(2) YEAR COMPLETED  2014
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This <b>Design-Build</b> project was for the design and replacement of existing failed dry-pipe fire sprinkler systems in buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404 at the Defense Distribution Depot and Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: excavation and trenching; <b>demolition and removal</b> of existing dry-pipe fire sprinkler systems; <b>new required piping</b> ; sprinkler heads; <b>alarm valve</b> ; <b>tamper and flow switches</b> ; double-check <b>assembly backflow preventers</b> (existing backflow preventers to remain); all <b>piping connections</b> to existing <b>water supply (existing underground laterals; backflow preventers</b> ; fire department connections; and backflow preventer test connections to remain where reused); and connections to existing fire alarm systems.  <b>Project Value: \$9.1M Role: Quality Control Manager/Safety Program Management &amp; Oversight</b>	
f.	(1) TITLE AND LOCATION <b>Design-Build Repair Utility Meters</b> Beale Air Force Base, CA	(2) YEAR COMPLETED  2013
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This <b>Design-Build</b> project was for the design and installation of utility meters at the Beale Air Force Base, CA for the U.S. Army Corps of Engineers. The scope of work included: repairing existing gas meters, electrical meters, and water meters; and installing new gas meters, electrical meters, and <b>water meters</b> for various buildings at Beale AFB. All meters were to be compatible with and connected to the Base's Direct Digital Control (DDC) Siemens Apogee System, INSIGHT Version 3.11 to allow remote monitoring.  <b>Project Value: \$350K Role: Alternate Superintendent</b>	
g.	(1) TITLE AND LOCATION <b>Replace Water System Phase II</b> Vandenberg AFB, CA	(2) YEAR COMPLETED  2010-2011
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the replacement of a water system, Phase II, Vandenberg AFB, CA for the U.S. Army Corps of Engineers. The project mandated the provision of all labor, material and equipment necessary to <b>abandon and cap-off approximately 1,200 LF of existing 6"; 15,200 LF of 8"; 1,800 LF of 12"; 4,900 LF of 21" piping system; appurtenances in the main cantonment area</b> at Vandenberg Air Force Base; and replace the old	



	<p>system with new HDPE water pipe system. The scope of work included: <b>demolition; clearing and grubbing; excavation; backfill; compaction;</b> saw-cutting existing <b>asphalt roadways;</b> disposal of debris; <b>trench-line excavation;</b> concrete work; replacement of concrete curbs; gutters, sidewalks and <b>asphalt paving</b> to effect installation of the <b>new piping systems; pressure testing new system; flushing and sterilizing system; bacteriological testing;</b> and re-seeding and landscaping disturbed areas.</p> <p><b>Project Value:</b> \$1.6M                      <b>Role:</b> Superintendent</p>	
h.	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
	<p><b>Design-Build Install Photovoltaic Systems, Various Buildings, Marine Corps Air Ground Combat Center</b> Twenty-Nine Palms, CA</p>	
i.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the installation of Photovoltaic Systems in various buildings, Twenty-Nine Palms, CA for the U.S. Marine Corps. The scope of work consisted: of providing design; construction; permitting; commissioning; and training for a 200-KW DC rooftop solar photovoltaic (PV) system in buildings 1801, 1802, 1803, 1804, 1805, and 1210. The facility provides shelter for large military tanks. This system consisted of: photovoltaic module array mounted on support brackets for roofs; electrical terminal and combiner boxes; quick-connect electrical connectors; Direct Current (DC) wiring; DC disconnect; grid-connected inverter and isolation transformer; Alternating Current (AC) disconnect; and a web-based data acquisition and monitoring system (DAS).</p> <p><b>Project Value:</b> \$2.2M                      <b>Role:</b> Quality Control Manager</p>	
	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
		2010
i.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project provided complete engineering design; provision; installation; commissioning and testing for a grid-tied; and a 32kW Thin Film Technology Solar Photovoltaic (PV) system on the roof of structure Building 1239 and 1235.</p> <p>The project included seismically bracing the existing roof structure to support the entire solar array per local Yuma, AZ requirements in addition to waterproofing the brace and frame. The brace and framing required a minimum life of 25 years and was constructed as to not interfere with the existing function of the structure. In compliance with the BEAP, HHCI matched all brace and framing paint to the existing surfaces.</p> <p><b>Project Value:</b> \$489K                      <b>Role:</b> Quality Control Manager</p>	
	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
		2009
j.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the replacement of asphalt with concrete at Bike Lake Air Field, Ft. Irwin, CA for the U.S. Army Corps of Engineers. The scope of work included: <b>removing existing base material; pulverizing existing asphalt; compacting existing sub-grade;</b> reinstalling removed base material; installation of concrete with fiber mesh; the replacement of the existing asphalt taxiway area with <b>concrete taxiway;</b> the construction of a barrier wall between the lake and taxiway; installation of joint sealant in the control joints; and installation of <b>striping</b> of the replaced taxiway area.</p> <p><b>Project Value:</b> \$1.9M                      <b>Role:</b> Alt. Quality Control Manager/Site Safety &amp; Health Officer</p>	
	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
		2009
k.	(1) TITLE AND LOCATION	(2) YEAR COMPLETED



	<b>U.S. Army Reserve Tactically Training Base</b> <b>60 Solar Security Lights</b> Fort Hunter Liggett, CA	2008
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project required provision of all parts, materials, labor, and equipment to assemble and install 60 solar security lights around the perimeter of the base cantonment area and the access points of Fort Hunter Liggett, CA for the U.S. Army Corps of Engineers. The scope of work included: Solar light kits consisting of a Model SOL TPM 250 SIN 203-98 UL listed Self-contained Solar Power Unit with three gel cell sealed batteries, controller, cobrahead fixture, LED lamp, 42 watts, 6500 Kelvin rating, mounting brackets, and 30' Direct Burial Bronze fiberglass pole. Units are specified to match newly installed Security Light System. <b>Project Value: \$538K</b> <b>Role: Project Manager/Site Safety &amp; Health Officer/QC Manager</b>	
	(1) TITLE AND LOCATION <b>Design-Build Recreational Vehicle Storage Lot</b> Marine Corps Air Station Miramar, CA	(2) YEAR COMPLETED 2008
l.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This <b>Design-Build</b> project was for the design and construction of an 807stall vehicle storage lot at Marine Corps Air Station Miramar, CA for NAVFAC SW. The scope of work included: <b>demolition</b> ; material removal; soil stabilization; treatment of lime and ash; <b>clearing and grubbing</b> ; <b>rough grading</b> ; drainage swales; storm basin; concrete placement; the construction of a 3" thick layer compacted decomposed granite over an 18" thick layer of lime and fly ash treated soil; 2" wide white <b>traffic paint markings</b> ; <b>paved asphalt access road</b> with curb and gutter; new energy efficient solar security lighting; 30-foot wide access gates with mechanized operator; key pad access system; 15' wide by 250' long staging/parking area and 130' diameter turn around area; 24' wide manual gate for emergency vehicle use; <b>fire suppression system</b> (including two <b>above ground 30,000 gallon water tanks</b> with 4 1/2 inch Siamese fire department hose connections); automatic fill and level control <b>valve assembly</b> (to monitor per NFPA 22 and 72 requirements) with signals sent over two telephones via DACT to a receiving station; security chain link/barb wire fencing; and an <b>RV dump site with an underground 10,000 gallon wastewater holding tank with integral wash down facilities</b> . This area is used by the following military operation vehicles: fire truck; pump trucks; and recreational vehicles. <b>Project Value: \$3.5M</b> <b>Role: Superintendent/Site Safety &amp; Health Officer</b>	
	(1) TITLE AND LOCATION <b>Remove and Replace Hardstand around Bldg. 573 at the Yermo Annex</b> Marine Corps Logistics Base, Barstow, CA	(2) YEAR COMPLETED 2007
m.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This phased project (phases 1-3) was for the removal and replacement of hardstand around building 573 at Yermo Annex, Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: <b>removing and replacing</b> designated areas of the <b>hardstand</b> ; cutting and removing existing concrete; prepping and re-installing approximately 122,000 SF of a higher grade, 8 to 12 inches thick <b>concrete pavement</b> ; and repairing the lifting and cracking pavement at the nearby motorcycle parking lot. <b>Project Value: \$3.3M</b> <b>Role: Superintendent</b>	
	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Design-Build NEX Complex Roads &amp; Parking Reconfiguration</b> Naval Base Coronado, CA	(2) YEAR COMPLETED 2005
n.		



	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the reconfiguration of NEX Complex roads and parking lot, Naval Base Coronado, CA for NAVFAC SW. The scope of work included: the Design-Build of the Naval Exchange and Commissary Complex Parking Lots and street flow patterns; <b>asphalt pavement</b> demolition; placement of 1,700 LF of curb; 1,120 tons base and 650 tons of new asphalt pavement; sidewalks; an 880 LF curb and gutter; landscaping islands (including trees; plants; and irrigation system); relocation of existing light poles; relocation of a drive-through call box; installation of island irrigation system; and new driveway access from the street. The project required coordination of work around <b>heavy traffic</b> and visitors in occupied and operational military base, and provision of crew housing.</p> <p><b>Project Value:</b> \$473K                      <b>Role:</b> Superintendent</p>	
	<p>(1) TITLE AND LOCATION</p> <p><b>Main Access Control Point Modernization</b> Fort. Irwin, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2005</p>
o.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project for the upgrading of the Main Access Control Point Modernization, Ft. Irwin, CA for the U.S. Army Corps of Engineers. The scope of work included: Fort Irwin's Main Access Control Point facility to meet new Department of Defense anti-terrorism force protection regulations; requiring extensive modernization and site improvements. HHCI successfully executed this project while facing difficult project remote locale; work in extreme temperatures; management of deliveries to remote site; coordinating work in multiple sites concurrently; and coordinating work around <b>heavy traffic</b> and installation's operational ingress and egress areas. Construction operations included: construction of guard stations; installation of blast resistant metals; doors; frames; windows; heating and cooling system installation; restroom facilities; <b>plumbing</b>; addition of architectural stone to building facade; and construction of 50x60 FT canopy system. Government additional requests for work included: location of power to visitor's center; <b>additional asphalt paving</b>; new concrete pad; and power pole relocation.</p> <p><b>Project Value:</b> \$2.7M                      <b>Role:</b> Alternate Superintendent/Operator</p>	



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Thomas James "TJ" Lancaster</b>	<b>Corporate Safety Manager</b>	<b>20+</b>	<b>2</b>
FIRM NAME AND LOCATION Hal Hays Construction, Inc., Riverside, CA			
EDUCATION <ul style="list-style-type: none"> <li>▪ Health &amp; Safety Management Certificate</li> <li>▪ Electrical Safety Certificate</li> <li>▪ 7505 Accident Investigation Certificate</li> <li>▪ 2264 Permit Confined Space Certificate</li> <li>▪ 5119 CALOSHA General Industry Certificate</li> <li>▪ 521 Industrial Hygiene Certificate</li> <li>▪ 40-Hazwoper First Responder</li> <li>▪ OSHA DOT Security &amp; Transport Certificate</li> <li>▪ 511 General Industry Safety Certificate</li> <li>▪ Silica in the work place Trainer</li> <li>▪ Blood Borne Pathogens Certificate</li> <li>▪ 2017 EM 385-1-1 40-Hour</li> <li>▪ OSHA 501 Trainer</li> <li>▪ OSHA 500 Trainer</li> <li>▪ OSHA 10-Hour Certificate</li> <li>▪ CPR and First Aid Instructor</li> <li>▪ 995 Confined Space Trainer</li> <li>▪ Excavation and Trenching Training</li> <li>▪ Fall Protection Training</li> <li>▪ Scaffolding Training</li> <li>▪ Powder Actuated Tools Training</li> <li>▪ Workplace Harassment Training</li> <li>▪ 510 OS&amp;H for Construction Industry Certificate</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS <p>Mr. Lancaster has extensive experience in Department of Defense, Government, Public and Private work sector with <b>facility renovation, new construction of buildings</b>, and heavy/civil construction. He maintains specific experience in this project's work areas such as: <b>facility construction and renovation; facility maintenance, upgrades and repairs; electrical, HVAC, fire alarm and fire sprinkler systems, doors &amp; locks, lighting upgrade, demolition, site work, utilities, PEBS</b>, and project site safety.</p> <p><b>Software Skills:</b> MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, SAGE Masterbuilder</p> <p><b>Job Skills:</b> Safety Management, Safety Regulations, Scheduling, Safety Tasks, Supervision, Training, Quality Control, Crew Production, Scheduling and Coordinating Subcontractors, Heavy Civil Operations, and Project Management</p> <p>For the following projects, Mr. Lancaster executed the role of Corporate Site Safety Health Officer including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; maintaining day to day project scheduling; executing the construction schedule (CPM); supervising work force and subcontractors; implementing safety programs and procedures; preparation of AHAs; site inspections; advising management of any deficiencies; safety training; accident investigation and reporting; safety inspection to ensure compliance; and maintaining Quality Control information on a daily basis. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
EMPLOYMENT HISTORY			
2018 - Present	Hal Hays Construction, Inc., Riverside, CA	Corporate Safety Manager	
2016 - 2018	Mark Beamish Waterproofing, Irvine, CA	Health & Safety Manager	
2014 - 2016	Roy Jorgensen Associates, Irvine, CA	Health & Safety Manager	
2009 - 2013	Southern California Edison, CA	EH&S Radiological Waste Tech	



RELEVANT PROJECTS	
<p>(1) TITLE AND LOCATION</p> <p><b>Design-Build Expand Biola University, Lydia Lim Center for Science, Technology and Health</b> La Mirada, CA</p>	<p>( ) YEAR COMPLETED</p> <p style="text-align: center;">2018</p>
<p>a.</p>	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Project Description:</u></p> <p>This design-build project was for design and construction of renovations and expansions to Biola University 13800 Biola Ave La Mirada, Ca. 90639. The project was to add the Science, Technology and Health Center. This addition increased Biolas building capacity by 91,200 sq. ft. adding 27 laboratories, six classrooms, a human anatomy suite, green house space for the botany program, a dedicated SEM (scanning and electron microscope) lab and TEM (transmission electron microscope) lab, and state-of-the art technology.</p> <p>The scope of work included: resilient flooring; concrete polishing; above and below grade waterproofing.</p> <p>Design Build Effort: In addition, design build work included design for clean air purifying systems for the floor grinding process to minimize any hazardous silica release. Mark Beamish Waterproofing worked around occupied and operational facilities including the phasing and sequencing of work progress to minimize any potential exposure to hazardous substances.</p> <p>Awards and Recognition:</p> <p>This project was completed with no safety accident or incidents (360 days) and received a CalOSHA's Golden Award.</p> <p><u>Job Duties:</u></p> <p>Duties included the management of the health and safety program for the jobsite and in the event of unsafe or life-threatening work practices by any personnel on the referenced project to stop work. Other duties included the removal of any individual from the project who consistently failed to perform their work in compliance with the project regulations, to inspect all equipment as it is delivered to the jobsites and verify compliance with site safe regulations, to update Activity Hazard Analysis as needed, to hold weekly safety meetings, to attend jobsite meetings as needed, and to give new employees orientations training.</p> <p><b>Cost: \$63 million      Role: Health &amp; Safety Manager</b></p>
<p>b.</p>	<p>(1) TITLE AND LOCATION</p> <p><b>Build OCPC/Broadcom Campus</b> Irvine, CA</p> <p>( ) YEAR COMPLETED</p> <p style="text-align: center;">2018</p> <p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Project Description:</u></p> <p>This design-build project was for design and construction of Broadcom Great Parks Campus 1 Civic Center Plaza Irvine, Ca. This project consists of two 5-story buildings of offices, 30 R &amp; D labs, training facilities, loading docks, kitchen and cafeteria and a fitness center for employees. Also included in the project are two 4-story buildings totaling 380,000 sf of core and shell space and 73 acres.</p> <p>The scope of work included:</p> <p>Site grading; site utilities; concrete work; landscaping; SWPPP and BMP implementation; structural steel; stucco; single ply membrane and standing seam roofing; AT/FP compliant energy efficient windows/doors; mechanical systems; electrical distribution systems; plumbing systems; fire suppression, alarm, and life safety systems; operable partition wall;</p>

	<p>drywall and insulation; acoustical and drywall ceilings; cabinetry; resilient flooring; ceramic tile; concrete polishing; above and below grade waterproofing; painting; restroom accessories; podium deck hot rubber waterproofing.</p> <p><u>Job Duties:</u></p> <p>Duties included the management of the health and safety program for the jobsite and in the event of unsafe or life-threatening work practices by any personnel on the referenced project to stop work. Other duties included the removal of any individual from the project who consistently failed to perform their work in compliance with the project regulations, to inspect all equipment as it is delivered to the jobsites and verify compliance with site safe regulations, to update Activity Hazard Analysis as needed, to hold weekly safety meetings, to attend jobsite meetings as needed, and to give new employees orientations &amp; training.</p> <p><b>Cost: \$778M    Role: Health &amp; Safety Manager</b></p>	
	<p>(1) TITLE AND LOCATION</p> <p><b>Toyota North American Headquarters</b> Plano, TX</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
c.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE    <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Project Description:</u></p> <p>This design-build project was for design and construction of Toyota North American Headquarters. The project was sits on 100 acres.; 7,000+ parking spaces; 7 BUILDINGS.</p> <p>The scope of work included:</p> <p>Site grading; site utilities; concrete work; landscaping; SWPPP and BMP implementation; structural steel; stucco; AT/FP compliant energy efficient windows/doors; mechanical systems; electrical distribution systems; plumbing systems; fire suppression, alarm, and life safety systems; operable partition wall; drywall and insulation; acoustical and drywall ceilings; cabinetry; resilient flooring; ceramic tile; concrete polishing; above and below grade waterproofing; painting; restroom accessories; podium deck hot rubber waterproofing, Largest onsite solar installation; state-of-the art rainwater capturing system; exterior landscaping drought resistant; 8.79-megawatts array of more than 20,00 solar panels; a rainwater harvesting system that holds up 400,00 gallons.</p> <p>Awards and Recognition:</p> <p>Toyota was awarded the LEED Platinum award for sustainable ENERGY.</p> <p><u>Job Duties:</u></p> <p>Duties included the management of the health and safety program for the jobsite and in the event of unsafe or life-threatening work practices by any personnel on the referenced project to stop work. Other duties included the removal of any individual from the project who consistently failed to perform their work in compliance with the project regulations, to inspect all equipment as it is delivered to the jobsites and verify it is in compliance with site safe regulations, to update Activity Hazard Analysis as needed, to hold weekly safety meetings, to attend jobsite meetings as needed, and to give new employees orientations &amp; training.</p> <p><b>Cost: \$23.4 Billion    Role: Health &amp; Safety Manager</b></p>	
d.		<p>( ) YEAR COMPLETED</p>

<p>(1) TITLE AND LOCATION</p> <p><b>Southern California Edison Nuclear Security</b> San Onofre, CA</p>	<p>2009-2013</p>
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input type="checkbox"/> Check if project performed with current firm</p> <ul style="list-style-type: none"> <li>• Certified 40-hour Hazwoper and first responder</li> <li>• Certified DOT Hazardous Material Transport and security</li> <li>• Maintained OSHA 300 and 300A Log.</li> <li>• Performed All Hazardous Material and Safety training for the EH&amp;S Team</li> <li>• Provided coordination of all hazardous &amp; radiological waste and material packaging and shipments.</li> <li>• Managed contract labor contract for all safety, hazardous &amp; radiological waste and material activities.</li> <li>• Knowledge of Safety regulations and permits to ensure program compliance.</li> <li>• Coordinates inspections with outside agencies.</li> <li>• Provided technical recommendations related to general technical knowledge, which relate to specific projects and tasks.</li> <li>• Created and maintains records, logs, documents, files, or databases for use in monitoring, tracking of Hazardous &amp; radiological Waste shipping manifest.</li> <li>• Knowledge in generating hazardous &amp; radiological waste manifests</li> <li>• Experience with the DOT Safety, California Environmental Reporting System (CERS) and Federal/State (BRSW4) annual/biennial report software.</li> <li>• Experience performing hazardous &amp; radiological waste staging areas.</li> <li>• Knowledge of General Industry and Construction Safety.</li> <li>• Knowledge Safety Regulations and bio hazardous &amp; radiological program and regulations</li> <li>• Knowledge of industry policies, procedures, codes, objectives, strategies, goals, demonstrated experience interfacing and collaborating with internal and external stakeholders (e.g., clients, corporate officers, bargaining unit personnel, management, vendors) to meet business needs.</li> <li>• Performed Construction Safety, Environmental/Hazmat Inspections and Testing.</li> <li>• Performing Safety walk downs of all tactical drill and/or training in accordance with Nuclear Regulatory Commission requirements.</li> <li>• Performed continuous Safety and Quality Assurance checks affecting surveillance of Protected Area barrier intrusion detection segments and periodic checks and surveillances of the Protected Area gates and Vital Area portals and gates on foot patrol.</li> <li>• Performed Safety training for all positive access control functions at Owner Controlled Access entry points to prevent introduction of prohibited items and to ensure the protection of special nuclear material and to guard against radiological sabotage.</li> <li>• Processing and issuing notifications for drug/alcohol testing as required.</li> <li>• Performed (ERO) Emergency Response Duties and nuclear Emergency Response Personnel duties at emergency response facilities and plant evacuation gates.</li> <li>• Maintaining a safety conscious work environment by following safety protocols and safe work practices.</li> <li>• Performed Safety and Hazmat First Responder Duties for Security safety Team #5</li> </ul> <p><b>Role: Nuclear Security &amp; Hazardous Material Safety Officer 1</b></p>	



RESUME									
NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE							
		a. TOTAL	b. WITH CURRENT FIRM						
<b>Jason Flowers</b>	<b>Corporate Quality Control Manager</b>	<b>14</b>	<b>4</b>						
<b>FIRM NAME AND LOCATION</b> Hal Hays Construction Inc., Riverside, CA									
<b>EDUCATION</b> <ul style="list-style-type: none"> <li>▪ 2007 Bachelor of Science, Physiology</li> <li>▪ University of California, Santa Barbara</li> <li>▪ Water Distribution Operator Level 1</li> <li>▪ Water Treatment Operator Level 1</li> <li>▪ 2015 NAVFAC Construction Quality Management for Contractors</li> <li>▪ OSHA 10 Certificate (in training)</li> </ul>									
<b>OTHER PROFESSIONAL QUALIFICATIONS</b> Mr. Flowers has extensive Edison, Department of Defense, PUC, public and private sector experience related to Design-Build, substations, building construction, underground utilities, and heavy civil construction. He maintains specific experience in this project's work areas such as: energized sites, trenching, earthwork, major utilities, facility construction, renovations and work on active and operational sites.  <b>Software Skills:</b> MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, and Sage MasterBuilder  <b>Job Skills:</b> Project Management, Quality Control, Scheduling, Project Coordination and Safety Tasks  For the following projects, Mr. Flowers has executed the role of <b>Quality Control Manager</b> , including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up, and maintaining Quality Control information on a daily basis, including the Contractor Quality Control (CQC) Plan elements, such as: quality control organization, definable features of work, submittal register, QC requirements, equipment list, Daily CQC Report, QC punch list items, QC testing, transferred and installed property, and user training requirements. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.									
<b>EMPLOYMENT HISTORY</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">2015 - Present</td> <td style="width: 45%;">Hal Hays Construction, Inc., Riverside, CA</td> <td style="width: 40%;">Project Manager</td> </tr> <tr> <td>2005 - 2015</td> <td>San Bernardino County Department of Environmental Health</td> <td>Superintendent/Environmental Health Inspector</td> </tr> </table>				2015 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Manager	2005 - 2015	San Bernardino County Department of Environmental Health	Superintendent/Environmental Health Inspector
2015 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Manager							
2005 - 2015	San Bernardino County Department of Environmental Health	Superintendent/Environmental Health Inspector							

RELEVANT PROJECTS		
a.	(1) TITLE AND LOCATION <b>SGVW Plant W1 Replace Chlorination Building</b> Whittier, CA	( ) YEAR COMPLETED 2018
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> This project involved the removal of the existing steel chlorination building, existing <b>electrical conduits and light fixtures; design and construction of new steel replacement building;</b> installation of new <b>light fixtures, fresh air supply fan, a roll-up access door, and a 90 minute fire door;</b> reconnecting the existing <b>chlorine equipment, electrical system, and plumbing</b> and related work at the Plant W1 Chlorination Building, located in Whittier, CA.  <b>Cost:</b> \$130K <b>Role:</b> Project Manager	
b.	(1) TITLE AND LOCATION <b>Fontana Water Co. Afterbay Improvements at Plant F11</b> Rialto, CA	( ) YEAR COMPLETED 2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> This project involved removing <b>30-inch piping,</b> removing interior <b>concrete walls,</b> removing wooden slats, removing and reinstalling of <b>steel guide plates,</b> saw cutting grooves, repairing and recoating submerged concrete surface, blasting and recoating steel surfaces, caulking around items to be protected, installing blind flanges, a trash rack, sluice gates, cutting pipe and installing a valve work at the afterbay, located in Rialto, CA.  <b>Cost:</b> \$301K <b>Role:</b> Project Manager	
c.	(1) TITLE AND LOCATION <b>SGVW Construction of Site Improvements at Plant No. 11 Ph2</b> El Monte, CA	( ) YEAR COMPLETED 2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> Construction of a <b>concrete sidewalk,</b> a <b>street light,</b> a <b>6-inch mow curb;</b> installation of 1-inch <b>crushed rock, perimeter landscaping, irrigation system, concrete swales, grading, installation of Class II base, relocation of PVC pipe,</b> construction of <b>storage bays</b> for dirt stockpiles and construction of <b>split face block wall</b> at the Plant No. 11 located at 12638 Pineview Street in the City of El Monte, California  <b>Cost:</b> \$628K <b>Role:</b> Project Manager	
e.		( ) YEAR COMPLETED

	(1) TITLE AND LOCATION <b>SGVW Reservoir Demolition at Plant F37</b> Fontana, CA	2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="checked" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> Complete demolition, removal, and legal disposal of existing partially buried reinforced concrete reservoir (105-foot diameter, 11.5-foot high and 8-foot buried), including reservoir roof and roofing structure, steel columns, concrete reservoir walls and foundation, and associated facilities such as reservoir piping, and appurtenances including but not limited to inlet structure, sump drain basin, valves and/or gates; abandonment of existing yard piping; complete demolition, removal and legal disposal of existing asphalt concrete drainage ditch around reservoir; over excavation to facilitate reservoir demolition; backfilling and re-compaction of the original reservoir area; grading the original reservoir and adjacent area to restore drainage pattern  <b>Cost:</b> \$125K <b>Role:</b> Project Manager	
f.	(1) TITLE AND LOCATION <b>Riverside County EDA Repave French Valley Airport</b> Murrieta, CA	( ) YEAR COMPLETED  2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="checked" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> The project included demolition and removal of existing tie-down anchors, demolition of the existing pavement by saw cutting and pulverization. Excavation of the subgrade involving, earthwork, spoiling, compaction, and grading, placement of aggregate base and fine grading. Installation of prefabricated trench drain and associated outlet piping. Installation of concrete valley gutter paving and coring construction of new tie-down anchors and pavement marking.  <b>Cost:</b> \$1.5M <b>Role:</b> Project Manager	
g.	(1) TITLE AND LOCATION <b>SGVW Construction of Fence/Wall/Grading Plant No. 11 Ph1</b> El Monte, CA	( ) YEAR COMPLETED  2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="checked" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> The project involving the placement of erosion control devices, implementation and maintenance of the storm water pollution prevention plan; removing and salvaging the existing chain link and wrought iron fencing; demolition of the existing wood fencing; construction of split face concrete block walls; construction of a 7-foot high wrought iron fence; painting the existing walls; installation of aggregate base, rip rap, 6-inch PVC schedule 40 drain pipe and a catch basin. The project included earthwork with the necessary clearing, grubbing, and preparation of the site; removal and disposal of all debris; excavation; handling, storage, transportation, and disposal of all excavated material; all necessary sheeting, shoring, and protection work; preparation of subgrades; pumping and dewatering as necessary; protection of adjacent property; backfilling; construction of fills and embankments; surfacing and grading; and other appurtenant work.  <b>Cost:</b> \$860K <b>Role:</b> Project Manager	

	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Riverside County Chiriaco Summit Airport Runway</b> Indio, CA	2016
h.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Project Description:</b> Paving & grading of Runway 6-24, including surface preparation, pavement marking removal, crack repairs & new pavement marking application.	
	<b>Cost:</b> \$405K <b>Role:</b> Project Manager	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Eastern Municipal Water District Public Access Areas Renovation</b> Perris, CA	2012-2016
i.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Project Description:</b> <p>This project was comprised of construction in four specific public access areas of the District's Administration Center and Operations and Maintenance Center building complex and appurtenant site work. The building renovation work included, but was not limited to, new restrooms, <b>plumbing fixtures</b>, interior finishes, exterior finishes, casework, HVAC modifications, electrical conduit, wiring, lighting, concrete site work, aluminum storefront and glazing, bullet-proof glazing and walls, <b>wet utilities</b>, and associated appurtenances. Also, the project included construction phasing, which required the completion of one public access area and client hand off prior to the beginning of subsequent work areas. Additionally, each phase was completed under contractual work durations and client directed sequencing dictated by Milestone Completion Dates.</p> <p><b>Awards and Recognition:</b> This project was completed with no safety accidents or near misses.</p> <p><b>Cost:</b> \$1.9M      <b>Role:</b> Project Manager</p>	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build: Repair Potable Water Valves</b> Marine Corp Recruit Depot, San Diego, CA	2016
J	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Project Description:</b> <p>This project was to remove and replace deteriorated and non-functioning Potable Water Distribution Valves throughout the Marine Corps Recruit Depot (MCRD) in San Diego. Existing valves and pipes were demolished and replaced with like kind valves and pipes at various locations as indicated in the contract documents. A total of 270 valves were replaced, varying in size from 4" to 10". Additionally, five (5) feet of length pipe on each side of each valve were required to be replaced, totaling 2,700 LF. The project also includes the installation of all necessary coupling, valve boxes, thrust blocks, and replacing concrete, asphalt, and landscape to restore each site to the original condition. Approximately 40% of the valves were on asphalt pavement, 40% on concrete flat work, and 20% were on landscaped areas.</p> <p><b>Cost:</b> \$2.62M      <b>Role:</b> Project Engineer</p>	

	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build Potable Water Storage Tank 25191</b> Marine Corps Base, Camp Pendleton, CA	2016
k.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Description:</b> This project wa to remove and replace deteriorated clear water reservoir a the Marine Corps Base at Camp Pendleton, San Diego, CA. Existing tank and water distribution lines were demolished and replaced. During this period of demolition and re-construction of the permanent facilities, a temporary water storage and distribution system was built in place and operated to serve the functions of the previous system.  <b>Cost:</b> \$1.05M <b>Role:</b> Project Engineer	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build Repair Re-Circulation Lines B-619</b> Marine Corps Recruit Depot, San Diego, CA	2015-2016
l.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Description:</b> This Design-build project includes replacement of Domestic Hot Water branch laterals from Main to Recirculation Loop. The project will demolish all existing DHW copper plumbing lines, fittings and valves within the DHW supply system. The project will install new domestic hot water Type K copper plumbing lines, valves and fittings along with new isolation valves. The project will dispose of all demolished material in a legal manner consistent with state and local laws. Areas affected by repair/construction will be in compliance with applicable ATFP, Fire Suppression, Seismic, Accessibility, ASHRAE, and LEEDs codes and standards (as required) upon completion of the project. Paint, tag and label with flow direction the equipment and pipes. Insulate hot water pipes according to ASHRAE requirements.  <b>Cost:</b> \$1.19M <b>Role:</b> Project Manager	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build Repair Vault Drain and Overflow at Reservoir 20813</b> Marine Corps Base, Camp Pendleton, CA	2016
m.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm <b>Project Description:</b> This Design-Build project consists of removing and replacing fill/feed pipe, installing new 20813 valve vaults, and installing new drain lines. The work shall include removing and abandoning fill/feed pipe and re-routing all new HDPE pipe with high point vents and isolation valves, removing and replacing valve vault with reinforced concrete slabs and self-draining appurtenances, providing overflow and drain lines with flexible duckbill check valve at end, disconnecting emergency feed pipe and reconnecting to new HDPE feed pipe, and flushing, disinfecting, and performing bacterial tests required for new piping and appurtenances.  <b>Cost:</b> \$1.6M <b>Role:</b> Project Engineer	



<p>(1) TITLE AND LOCATION</p> <p><b>Environmental Health Inspection</b> San Bernardino County, CA</p>	<p>( ) YEAR COMPLETED</p>
	<p>2005-2015</p>
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Job Duties:</b> The main job duties included protecting the environment, public health, and safety of residents through permit, inspection, consultation, planning, investigation and enforcement activities in a wide variety of program areas including water quality, recreational health, land use, site assessment and mitigation, solid waste, hazardous materials, food, and housing. The primary job duties were focused on site inspections confirming compliance with federal, state, and local environmental health codes, laws, and regulations. Facilities inspected included clear water wells, water distribution systems, hazardous waste generators and storage facilities, wastewater treatment plants, landfills, hospitals and medical clinics, public swimming facilities, rental properties, camps, on-site sewage disposal systems, and solid waste recycling centers.</p> <p>Additionally, new construction plans, and specifications were reviewed to ensure compliance to federal, state, and local environmental health codes, laws, and regulations.</p> <p><b>The scope of work included:</b> Quality assurance, facility inspection, code, law and regulation enforcement, and building/ plan review and approval.</p> <p>Role: <b>On site superintendent/ Environmental Health Inspector</b></p>	



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Matt Goddard</b>	Corporate Scheduler	23	8
FIRM NAME AND LOCATION ( <i>City and State</i> ) Hal Hays Construction, Inc., Riverside, CA			
EDUCATION ( <i>Degree, Specialization, Training &amp; Certification</i> )			
<ul style="list-style-type: none"> <li>▪ 1996 Bachelor's Degree in Construction Engineering Management, Oregon State University, Corvallis, OR</li> <li>▪ 1996, Minor in Business, Oregon State University, Corvallis, OR</li> <li>▪ 1994, Associate's Degree in Mechanical Engineering, Lane Community College, Eugene, OR</li> <li>▪ Project Management Professional Certification</li> <li>▪ Primavera 5e Certified</li> <li>▪ Primavera 6 Certified</li> <li>▪ Workplace Harassment Training</li> <li>▪ Top Secret Security Clearance (inactive)</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS ( <i>Relevant</i> )			
<p>Mr. Goddard has extensive Department of Defense, PUC, and government experience related to Design-Build, building construction, and heavy civil construction. With twenty years of scheduling experience, Mr. Goddard has developed, updated, and reported schedules for over 375 projects, including: site work; facility renovation and new construction of VA hospitals, Service Centers, offices, warehouses, hangars, dormitories and BEQ's; substations; and fire stations. He maintains specific experience in work areas, such as: Design-Build; Facilities; BMP implementation; demolition; heavy civil/earthwork; excavation and trenching; utility systems; asphalt paving; concrete paving; landscaping; striping and signage; traffic control measures; multi-site operations; and work on secured sites near critical assets.</p> <p><b>Software Skills:</b> MS Windows Professional; MS Office Suite; Primavera P3, P5e, and P6; and MS Project 97, 2000, and 2002</p> <p><b>Job Skills:</b> Master Scheduling; Project Management; and Reporting</p> <p>For the following projects, Mr. Goddard executed the role of Corporate Scheduler involving creating, revising, and submitting schedules within Primavera P6, including: baseline of original project schedule; coordination with on-site and off-site management staff for schedule updates; fragments of schedules for contract modification tracking; three-week look ahead; weekly schedule updates; and cost loading. Additional responsibilities include development of corporate scheduling policy and procedures, maintaining master schedule of all ongoing projects within the organization, and coordination with Estimating and Design Management Departments to develop proposal schedules.</p>			
PREVIOUS EMPLOYERS			
2011 - Present	Hal Hays Construction, Inc., Riverside, CA	Corporate Scheduler	
2007 - 2011	Tepa Construction, Colorado Springs, CO	Corporate Schedule Manager	
1999 - 2007	DPR, Redwood City, CA	Scheduler	
1997 - 1999	ADP/Marshall, Inc., Greenville, NC	Asst. Project Mgr./Scheduler	
1996 - 1997	Marshall Company, East Providence, RI	Field Engineer/Scheduler	
1996 - 1996	HCMS, Portland, OR	Scheduler	

### List of Current/Ongoing Projects

Project Name & Type of Work	Owner Name	Estimated Contract Completion Value (incl. change orders to date)	Percent Currently Complete	Estimated Completion Date
DB Operations Access Red Beach, General/Civil Construction	US Navy	\$15,999,405.04	26%	10-9-2018
DB Improve Intersections Civil Construction	US Navy	\$865,170.44	83%	03-09-2018 * on hold
DB San Jacinto Road Extension Civil Construction	US Navy	\$4,360,763	85%	02-24-2018 *on hold
Army Reserve Center Fresno General Construction	US Army	\$26,271,299.55	85%	10-9-2018
Beale Temporary Lodging Fac General Construction	US Army	\$16,610,995.28	60%	8-8-2018
Susanville CCC/HDSP Prison General Construction	Dept. of Correction & Rehab	\$27,300,350.00	75%	8-31-2018
Fresno WWTP Odor Control Wet Utility Construction	City of Fresno	\$8,430,354.25	90%	6-14-2018
Eureka Juvenile Hall General Construction	County of Humboldt	\$15,461,296.00	42%	8-29-2018
San Joaquin Fish Hatchery General/Wet Util. Const.	DGS CA	\$16,853,874.33	55%	11-18-2018
DVI Solid Cell Conversion General Construction	Dept. of Correctio & Rehab	\$8,323,138.00	45%	12-23-2018
Riverside Regional Water Plant Levee, Civil/Wet Util Const.	City of Riverside	\$3,194,063.00	60%	09-31-2018
Renovate Palm Springs Police Dept. General Construction	City of Palm Springs	\$4,228,679.09	65%	8-2-2018
DB Holabird Plant Backwash Wet Util. Construction	Golden State Water Co.	\$777,624.00	0%	08-27-2018 *in Design
Bakersfield Base Facility General Construction	SoCalGas	\$19,875,867.00	22%	3-7-2019
Northern Dist. Meter replacements, Wet Util. Constr	California America Water	\$441,911.00	44%	8-5-2018
Stockton Booster STA Sitewor Wet Util/Civil Construction	California Water Service Co.	\$1,751,784.15	0%	1-6-2019
Santa Rosa Fire Recovery Hydrants Replacement	California Water Service Co.	\$137,000.00	90%	8-31-2018
Demo Steel Water Tank Wet Util, Construction	California Water Service Co.	\$112,779.00	0%	10-1-2018
Intake 2 Spillway Modification Wet Util, Construction	SCE	\$354,410.00	0%	11-21-2018

**LIST OF COMPLETED PROJECTS EXPERIENCE**

Project Name & Type of Work	Owner Name	Contract Completion Value	Final Completion Date
RCTC Rail Station Improvements/ Civil Construction	Riverside County Transportation	\$1,123,148.00	02/22/2018
SCE San Dieguito Wetlands/ Civil Construction	SCE	\$1,293,949.00	07/28/2017
El Campo Rd Water Main/ Wet Util. Civil Construction	Golden State Water Co.	\$850,288.60	12/30/2017
Elsinore Wash Rack and Site Improvements/ Civil Construction	Caltrans	\$1,802,701.00	11/17/2017
Ontario Police Headquarters Renovation/General Construction	City of Ontario	\$2,386,111.20	10/19/2017
Plant 11 Phase 2 Improvements/ Wet Util, Civil Construction	San Gabriel Valley Water Co.	\$619,600.60	01/10/2017
DB Repair Water Tank/Wet Utility Construction	US Navy	\$1,055,000.00	07/27/2015
DB Improve Intersections/ Civil Construction	US Navy	\$851,528.88	12/09/2016
DB Overhead Utilities Relocate/General Construction	US Army-Louisville	\$4,342,235.14	12/31/2016
DB Repair Area 52 Roads/Civil Construction	US Navy	\$1,564,025.83	12/20/2016
DB Replace Fire Main/ General Construction	US Navy	\$1,271,060.00	06/30/2015
DB Repair Recirculation Lines/General Construction	US Navy	\$1,190,495.00	12/03/2016
DB Repave Various Lots/Civil Construction	US Navy	\$1,838,948.00	12/15/2016
Repairs to Asphalt Parking/Civil Construction	US Navy	\$815,518.00	12/26/2015

RELEVANT PROJECTS		
a.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Railroad Operations Access Points, Red Beach</b> MCB Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>Present</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project is to design and reconstruct of railroad bridge and roadways at MCB Camp Pendleton, CA for NAVFAC SW.</p> <p>The scope of work included: SWPPP and BMP implementation; <b>demolition</b>; heavy civil and grading; clear and grub; earthwork; roadway paving; drainage infrastructure; railroad improvements; bridge structure; soldier pile wall.</p> <p><b>Cost:</b> \$15.9M     <b>Role:</b> Scheduler</p>	
b.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build P-111 Armory</b> MCB Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project is for the design and construction of the ground up armory building located at MCB Camp Pendleton, CA for NAVFAC SW.</p> <p>The scope of work included: SWPPP and BMP implementation; <b>demolition</b>; heavy civil and grading; clear and grub; underground storm drain system; structural concrete; masonry; casework; solid surface countertops; insulation; doors/ Frames &amp; hardware; vault doors; windows; metal stud framing/ gypsum board; wire mesh partitions; roofing; tile; acoustical ceiling; flooring; paint &amp; wall covering; high performance coatings; signage; toilet accessories; metal lockers; entrance mats; fire extinguishers; fire suppression; plumbing; HVAC; electrical; communications; electronic safety &amp; security; earthwork; bituminous paving; aggregate base course; pavement markings; high security fencing; planting; water distribution; natural gas &amp; liquid petroleum piping; sanitary sewers; lift stations; force mains, sewer &amp; storm drains.</p> <p><b>Cost:</b> \$4.5M     <b>Role:</b> Scheduler</p>	
c.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Repair Cristianitos Road</b> MCB Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2015</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project is to design and reconstruct roadways and provide erosion control/storm drain improvements along Cristianitos Road in at MCB Camp Pendleton, CA for NAVFAC SW.</p> <p>The scope of work included: SWPPP and BMP implementation; <b>demolition</b>; heavy civil and grading; clear and grub; underground storm drain system (headwalls, rip-rap, culverts, and piping); sub-base preparation; aggregate base; asphalt pavement; retaining walls; guard rails; signage and striping; and traffic control measures.</p> <p><b>Cost:</b> \$788K     <b>Role:</b> Scheduler</p>	
d.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Asphalt Repair Runway 14/32</b> Naval Air Weapons Station, Chino Lake, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p>

	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design Build project was for the design and construction of asphalt repairs of runway 14/32 at the Naval Air Weapons Station, Chino Lake, CA for NAVFAC SW. The scope of work includes: <b>demolition</b>; excavation; grading; A/C paving; pavement repairs; preparing sub-grade; clearing and grubbing; concrete work; striping and signage; traffic control; SWPPP and BMP implementation; and <b>underground utilities</b>.</p> <p><b>Cost:</b> \$7.3M      <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Repair Wastewater System at TAPS 1, 2 &amp; 3</b> Marine Corp Base, Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p>
e.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project is for the repairs to the wastewater system at TAPS 1, 2, and 3 at the Marine Corp Base, Camp Pendleton, CA for NAVFAC SW. The scope of work includes: <b>demolition</b>; BMP implementation; trenching and excavation; sewer systems; electrical systems; SCADA monitoring system; <b>distribution piping and system components</b> (tanks, pumps, air-gap system, high pressure spray and hoses, hose bibs, shut-off valves, and floor drains); environmental restrictions; and completion of work while maintaining operational utility systems.</p> <p><b>Cost:</b> \$381K      <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Renovate 3 Buildings and Parking Lot</b> Air Force, Plant 42, Palmdale, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p>
f.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project is to renovate Buildings 552, 553, and 560 as well as construct a new parking lot at Air Force Plant 42, Palmdale, CA for USACE. The renovation of Building 552, a single story masonry structure, approximately 7,101 SF, included the removal of existing interior finishes; abatement of hazardous materials; structural upgrades to existing masonry walls for code compliance; reconfiguration of interior spaces for ABA compliance; and creation of open-plan office arrangements.</p> <p>The renovation of Building 553 included: a single story masonry structure, approximately 5,345 SF; removal of existing interior finishes; abatement of hazardous materials; structural upgrades to existing masonry walls for code compliance; reconfiguration of interior spaces for administrative and training offices; a guard assembly and resources room; <b>restrooms</b>; locker/change rooms; a BDOC; and a masonry addition to house mechanical, electrical, and telecommunications equipment; and provide space for storage of security items.</p> <p>The renovation of Building 560 included: a two story pre-engineered metal building, approximately 5,782 SF; removal of interior partition walls; reconfiguration of the first floor <b>restrooms</b> to comply with ABA requirements; installation of new convenience centers; replacement of floor <b>finishes</b>; suspended panel ceilings; and repairs to the existing vehicle parking area adjacent to Building 560 to provide ABA required accessible routing. The new parking lot will be located south of Building 560 and east of the AF Plant 42 Control Tower. The parking lot shall provide approximately 115 parking stalls, including ABA compliant and motorcycle stalls to serve Building 553's existing fire station and the control tower.</p> <p><b>Cost:</b> \$5.5M      <b>Role:</b> Scheduler</p>	
g.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p>	<p>(2) YEAR COMPLETED</p>

	<p><b>DB Replace Fire Sprinklers at Buildings BB1A, BB1B, BB1C, 2, 3, 4, 14, 170, 403, 405, and 632, Phase 3</b> Marine Corps Logistics Base, Nebo and Yermo Annex, Barstow, CA</p>	<p>2013</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the design and replacement of existing failed dry-pipe fire sprinkler systems at Buildings BB1A, BB1B, BB1C, 2, 3, 4, 14, 170, 403, 405, and 632 at the Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: BMP implementation; excavation and trenching; <b>demolition and removal of existing dry-pipe</b> fire sprinkler systems; <b>new required piping</b>; sprinkler heads; alarm valve; tamper and flow switches; double-check assembly backflow preventers (existing backflow preventers to remain); underground <b>water system upgrades (distribution piping, backflow preventers,</b> and fire department connections); and connections to existing fire alarm systems.</p> <p><b>Cost:</b> \$8.3M     <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design-Build Repair Aqueous Film Forming Foam (AFFF) Storage Systems</b> Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2013</p>
h.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the design of repairs to the Aqueous Film Forming Foam (AFFF) Underground Storage Tank Systems at the Marine Corps Base, Camp Pendleton, CA for NAVFAC SW. The scope of work includes: repair leaks; cap all cross connections; dewater and conduct sump testing to identify leaks; install tank and space liquid detection system; remove and replace manhole units; install cleanouts for maintenance purposes; electrical; <b>underground utilities</b>; provide electrical support tank and interstitial space liquid-tight caps on all 4-inch risers of each tank; confirm that any surface drainage into the well completion units will drain into the tank, hold pea gravel backfill and not build up and overflow into the tanks; and adherence to environmental restrictions.</p> <p><b>Cost:</b> \$1M     <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Naval Exchange (NEX) Renovations</b> Naval Base Point Mugu, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
i.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for exterior renovation of the NEX complex building 16 at the Naval Base Ventura County, Point Mugu, CA for NAVFAC SW. The Naval Exchange complex at Point Mugu contains retail, restaurant, sports training, and Morale, Welfare and Recreation gymnasium space for military and DOD employees. The scope of work included: hazardous material abatement; <b>demolition</b>; replacement of the retail space façade; new storefront; doors; louvers; stucco exterior finish; replacement of the existing covered walkway; remove and repair or replace exterior and landscape lighting; storm water drainage and downspouts; storm water management; landscaping; irrigation system; and signage. This project received an Outstanding performance evaluation rating.</p> <p><b>Cost:</b> \$1.6M     <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Building Envelope Improvements - Multiple Facilities</b> Travis AFB, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p>	

	<p>This <b>Design-Build</b> project was for the design and construction of building envelope improvements and upgrade to the energy efficiency of Multiple Facilities at Travis Air Force Base in Fairfield, CA for NAVFAC SW. The scope of work included: upgrading the attic or ceiling insulation; weatherizing around doors, windows, and other openings requiring a seal; installation of Dual Reflective Solar Control Glazing Films; provide engineered synthetic catalyst technology additive to refrigerant in HVAC units; thermal imaging analysis of building to identify areas that require repair; insulation, caulking, weather striping, and leak repair of areas identified by thermal imaging analysis; caulk and seal air leaks where <b>plumbing</b>, ducting, or electrical wiring penetrated through walls, floors, and ceilings; replace existing door bottoms and thresholds with pliable sealing and gaskets where appropriate; repair/install insulation in attic spaces and above dropped ceilings as appropriate; weather-strip door jams; install window film; install Refrigerant Synthetic Refrigerant Catalyst in all air conditioners.</p> <p><b>Cost:</b> \$791K                      <b>Role:</b> Scheduler</p>	
k.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Replace Pavement, Building No. 11031</b> Naval Air Weapons Station, China Lake, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the design, construction, and replacement of pavement at building 11031 at Naval Air Weapons Station, China Lake, CA for NAVFAC SW. The scope of work included: replace deteriorated asphalt parking lot; approach driveways; and road surface around Building 11031, located in the CLPL Main site area. The scope of work also included: pulverizing existing paved areas; grade and compact to provide appropriate base material; lay new asphalt pavement; finish grade shall be sloped for proper drainage; stripe all roads and parking lots accordingly; and provide ADA compliant pedestrian pathways between building 11031, 11093, 11094, and 11030.</p> <p><b>Cost:</b> \$387K                      <b>Role:</b> Scheduler</p>	
l.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Renovations of the 31st SRG Building Improvements - Bldg 1157, 1158 and 1161</b> Naval Base Ventura County, Port Hueneme, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2011</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the design, construction, and renovation of one existing building and the maintenance of two others occupied by the 31st Seabee Readiness Group (SRG) located at Port Hueneme Naval Base, Ventura County, CA for NAVFAC SW. Scope of work included: rust/hole repair or replacement of the exterior closure; painting the exterior closure; replacement of exterior windows; installation of CAC card secured door entry systems; <b>bathroom renovation and upgrades</b>; HVAC; <b>mechanical</b> and electrical upgrades; <b>associated demolition</b>; site work; and <b>utilities work</b>.</p> <p><b>Cost:</b> \$1.4M                      <b>Role:</b> Scheduler</p>	
m.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>MI COF</b> Fort Carson, CO</p>	<p>(2) YEAR COMPLETED</p> <p>2011</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE      <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the design and construction of a new ground up facility for warehousing and office space at Fort Carson, CO for the U.S. Army Corps of Engineers. The scope of work included: excavation and grading; underground utilities; concrete foundations; site work with hardstand parking lot; landscaping; structural</p>	





masonry; framing; electrical; **plumbing; mechanical**; insulation; drywall; painting; flooring and carpeting; doors and hardware; windows; interior finishes; and restroom facilities.

**Cost:** \$15M

**Role:** Corporate Schedule Manager



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Karun Mani</b>	<b>Program Manager</b>	9	3
FIRM NAME AND LOCATION ( <i>City and State</i> ) Hal Hays Construction Inc., Riverside, CA			
EDUCATION ( <i>Degree, Specialization, Training &amp; Certification</i> )			
<ul style="list-style-type: none"> <li>▪ 2011 Bachelors of Science in Civil Engineering, Mahatma Gandhi University, India</li> <li>▪ 2013 Master of Science in Civil Engineering, University of Southern California, Los Angeles</li> <li>▪ 2014 Engineer-In-Training, California</li> <li>▪ OSHA 30-Hour Certificate</li> <li>▪ OSHA 10-Hour Certificate</li> <li>▪ 2016 CPR and First Aid Training</li> <li>▪ 2014 Construction-Manager-In-Training, California</li> <li>▪ 2015 LEED Green Associate</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS ( <i>Relevant</i> )			
<p>Mr. Mani has extensive Edison, Department of Defense, PUC, public and private sector experience related to Design-Build, building construction and heavy civil &amp; site development. He maintains specific experience in this project's work areas such as: Design-Build; heavy civil construction, new building construction, demolition, earthwork, storm drain, paving, concrete structures, structural concrete, underground utilities, facility renovations, controls and valves; electrical; tanks; commissioning; fencing; and work on active and operational sites.</p> <p><b>Software Skills:</b> MS Windows Professional, MS Office Suite, MS Outlook, Primavera P3, Primavera SureTrak Project Management, Primavera CPM Scheduling, and Sage MasterBuilder</p> <p><b>Job Skills:</b> Project Management, Scheduling and Safety Tasks, Safety Regulations, Supervision, Crew Production.</p> <p>For the following projects, Mr. Mani executed the role of <b>Project Manager</b>, including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; implementing subcontracts and purchase orders; and oversight of subcontractor's, supplier's and manufacturer's scheduling. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
PREVIOUS EMPLOYERS			
2018 - Present	Hal Hays Construction, Inc., Riverside, CA	Program Manager	
2015 - 2018	Hal Hays Construction, Inc., Riverside, CA	Project Manager	
2010 - 2015	Surat Civil Construction., India	Project Engineer/Jr. Project Manager	



## RELEVANT PROJECTS

RELEVANT PROJECTS	
<p>(1) TITLE AND LOCATION</p> <p><b>SoCalGas Bakersfield Base New Facility</b> Bakersfield, CA</p>	<p>( ) YEAR COMPLETED</p> <p style="text-align: center;">2018-2019</p>
<p>A.</p>	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>Construction of <b>the new 31,370 square-foot regional base facility in Bakersfield.</b> The new facility serves thousands of homes and business that use natural gas in Kern County. The facility also includes a compressed natural gas (CNG) station for company and public use.</p> <p>Develop the <b>10.33-acre site</b> will become the SoCal Gas Regional Epicenter. The work consists of:</p> <ul style="list-style-type: none"> <li>◆ Site grading, paving, site utilities, drainage systems and modifications to fill soils</li> <li>◆ Parking for employees and company vehicles.</li> <li>◆ Perimeter fencing, CMU walls</li> <li>◆ Office and Training Building of approximately 31,370 sf.</li> <li>◆ Storage Building for Logistic of approximately 9,000 sf.</li> <li>◆ Repair Garage and fueling stations of approximately 3,800 sf.</li> <li>◆ Site storage facilities</li> </ul> <p><b>Project Value: \$20.0M      Role: Project Manager</b></p>
<p>b.</p>	<p>(1) TITLE AND LOCATION</p> <p><b>US Army Reserve Center Leymel Hall</b> Fresno, CA</p>
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>This project includes a Training Building, Maintenance Building, and a Storage Building, along with additional other facilities and site improvements and site features. The new buildings are of permanent construction with reinforced concrete foundations, concrete floor slabs, structural steel frames, insulated precast concrete walls, 2-ply modified bituminous roofing, Heating, Ventilation, and Air Conditioning (HVAC), fire protection/alarm, plumbing, mechanical systems, security systems, and electrical systems.</p> <p>This congressionally- approved and mission-critical project encompasses the following work areas:</p> <ul style="list-style-type: none"> <li>▪ Project sited on 10.5 acres, consisting of: <ul style="list-style-type: none"> <li>○ <b>Demolition</b> of exterior fencing and install new fencing. Demolition of wash rack and other existing structures. Remove and replace existing asphalt and concrete surfaces. Install new underground utilities and storm water system.</li> <li>○ <b>Site Work:</b> Outdoor Physical Fitness Areas, Bio Retention Basins, Flagpole, Entry Signs, Landscaping, Trash Enclosures, Bike Racks, Perimeter Chain Link Fence, Parking Lot, Rolling Gates, Sidewalks</li> <li>○ <b>48,177 SF Army Reserve Center Training building</b>, to support 400-members, including 11 Army Reserve units. Facility areas to include administrative, educational, assembly, kitchen, library, learning center, locker rooms, vault, arms/supply area, weapons simulator room and lightning protection system.</li> <li>○ <b>15,893 SF Organizational Maintenance Shop (AMSA/OMS)</b>, with OMS maintenance/work bays and AMSA administrative areas, locker rooms, workshop/work benches/lube stations, to support</li> </ul> </li> </ul>	



	<p>200 military vehicles.</p> <ul style="list-style-type: none"> <li>○ <b>2,735 SF Pre-Engineered Storage Building</b></li> </ul> <ul style="list-style-type: none"> <li>▪ <b>4 existing buildings</b> at the site, encompassing <b>37,735 SF</b>, were demolished</li> </ul> <p><b>Project Value: \$ 26.5M</b>      <b>Role: Project Manager</b></p>	
C.	<p>(1) TITLE AND LOCATION</p> <p><b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017-2018</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>Rehabilitate both southbound and northbound Roadside Rest Areas, on Interstate Route 15, about 30 miles east of Barstow, CA. Scope of work included:</p> <ul style="list-style-type: none"> <li>▪ <b>Southbound:</b> <ul style="list-style-type: none"> <li>▪ Demo existing rest area, all site concrete, asphalt and trees. Provide salvage of key items.</li> <li>▪ Construct 2 new CMU buildings</li> <li>▪ Construct Interpretative Center, 3 picnic shelters and 2 fire water tanks &amp; enclosures</li> <li>▪ New site utilities include RCP storm water drain, sewer, building water, and electrical</li> <li>▪ Site improvements include new concrete sidewalks, new asphalt car parking and truck parking, perimeter CMU wall, and entry monument sign</li> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> </ul> </li> <li>▪ <b>Northbound:</b> <ul style="list-style-type: none"> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ Install 2 new fire water tanks and 7 enclosures</li> <li>▪ Install new canopy and perform minor electrical for existing waste water tanks</li> <li>▪ Remove/replace existing urinals with new waterless fixtures</li> </ul> </li> </ul> <p><b>Project Value: \$7.5M</b>      <b>Role: Project Manager</b></p>	
D.	<p>(1) TITLE AND LOCATION</p> <p><b>NAVFAC Design Build P111 Armory, Marine Corps Base</b> Camp Pendleton, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>Design Build project for the US Naval Facilities Engineering Command. Work scope areas included: <b>demolition; site preparation; paving; masonry; site improvements; electrical and mechanical utilities; seismic features; Anti-Terrorism Force Protection and LEED sustainability requirements.</b> Additional work includes <b>POV parking</b> and <b>Snap-In Training Pit.</b> Specific work areas included:</p> <ul style="list-style-type: none"> <li>▪ <b>Site Prep:</b> SWPPP and BMP implementation; Demolition; Heavy Civil Earthwork &amp; Grading; Clear &amp; Grub; Underground Storm Drain System; Structural Concrete</li> <li>▪ <b>Site Work &amp; Site Utilities:</b> Bituminous Paving; Aggregate Base Course; Pavement Markings; High Security Fencing; Planting; Water Distribution; Natural Gas &amp; Liquid Petroleum Piping; Sanitary Sewers; Lift Stations; Force Mains, Sewer &amp; Storm Drains.</li> <li>▪ <b>Facility Work &amp; Build Out:</b> Masonry; Casework; Solid Surface Countertops; Insulation; Doors/Frames &amp; Hardware; Vault Doors; Windows; Metal Stud Framing/Gypsum Board; Wire Mesh Partitions; Roofing; Tile; Acoustical Ceiling; Flooring; Paint &amp; Wall Covering</li> <li>▪ <b>Interiors &amp; Building Systems:</b> High Performance Coatings; Signage; Toilet Accessories; Metal Lockers;</li> </ul>	



	<p>Entrance Mats; Fire Extinguishers; Fire Suppression; Plumbing; HVAC; Electrical; Communications; Electronic Safety &amp; Security</p> <p>The Armory serves the Marine Aircraft Group (MAG-39) at Camp Pendleton, the United States Marine Corps' key West Coast base.</p> <p><b>Project Value: \$4.4M</b>      <b>Role: Project Manager</b></p>	
E.	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<p><b>Ontario Police Department- Headquarters Renovations</b> Ontario, CA</p>	2017
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project included the construction of approximately 11,000 SF of tenant improvements, including a Dispatch Center (with ancillary rooms such as a Break Room, Locker Room and offices), Watch Commander's Office, Briefing Room, Storage Rooms and private offices. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Construction will include, but is not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings and low-voltage cabling.</p> <p><b>Project Value: \$2.2M</b>      <b>Role: Project Manager</b></p>	
F.	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED
	<p><b>Southern California Edison SSID Renovations</b> Westminster, CA</p>	2016
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the relocation of the customer service MSO personnel and training space from its current location to A. the second floor of the administration building. It also included the relocation of the materials testing laboratory from its current location to the second floor of the motor tool building. The scope of work included: demolition; structural steel; thermal and moisture protection; doors &amp; glazing; partitions, floors, wall and ceiling finishes; specialties; fire sprinkler systems; fire alarm systems; HVAC; electrical; communications; site work; carpentry &amp; mill work; electrical panel relocation; demolition of panel-built system; wall framing; steel vault demo; HVAC assessment; security system for MTL doors; re-route fire sprinkler line; cabinetry and countertops.</p> <p><b>Project Value: \$1.5M</b>      <b>Role: Project Manager</b></p>	
G.	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
	<p><b>Design-Build Repair Potable Water Storage Tank 25191</b> Marine Corps Base, Camp Pendleton, CA</p>	2016
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design-Build project consists of removing and <b>replacing fill/feed pipe, installing new 20813 valve vault,</b> and installing new drain lines. The work includes removing and abandoning fill/feed pipe and <b>re-routing all new HDPE pipe with high point vents and isolation valves, removing and replacing valve vault with reinforced concrete slabs and self-draining appurtenances, providing overflow and drain lines with flexible duckbill check valve at end, disconnecting emergency feed pipe and reconnecting to new HDPE feed pipe, and flushing, disinfecting, and performing bacterial tests</b> required for new piping and appurtenances. The scope of work included: <b>site demolition; cast in place concrete; fiber reinforced plastic ladders; earthwork; trenching;</b></p>	



	seeding; water distribution; water storage tanks.  <b>Project Value: \$1.0M    Role: Project Engineer</b>	
H.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Southern California Edison Road Widening</b> Mira Loma Substation, Mira Loma, CA	(2) YEAR COMPLETED  2016
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project consisted of Off-Site Improvements for Mira Loma Substation consisting of <b>Street Widening Improvements</b> along Milliken/Hamner Avenue. Improvements consisted of but not limited to the following: <b>Improvement street demolitions, new curb/gutter, driveway approaches, sidewalk renovations, patching, utilities, asphalt paving, landscape/irrigation, fences, signage, street lights and traffic signaling.</b>  <b>Project Value: \$1.4M                      Role: Project Manager</b>	
I.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Southern California Edison Santa Barbara Service Center Upgrades, Santa Barbara, CA</b>	(2) YEAR COMPLETED  2016
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project was for the <b>lighting and ceiling upgrades to (4) Quads</b> located at one of Southern California Edison's Service Centers in Santa Barbara. The scope of work included: <b>demolition; installation of light fixtures, occupancy sensors &amp; exit signs; ceiling tiles; communication speakers; skim coat/paint walls; wall coverings; VCT, and traffic control measures.</b>  <b>Project Value: \$266K                      Role: Project Manager</b>	
J.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Southern California Edison Menifee SC Highway 74 and Road Improvements, Menifee, CA</b>	(2) YEAR COMPLETED  2016
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project was for the Menifee On-Site/Off Site Improvements on Highway 74 and McKinley Road, within the City of Menifee, County of Riverside. The proposed project area is approximately <b>2,465 ft.</b> of half width street improvements with transitions on <b>Highway 74</b> and <b>582 ft.</b> of full width improvements on <b>McKinley Road</b> , including <b>clearing and grubbing, asphalt and concrete paving, existing street overlay, curb and gutter, sidewalk, lighting, erosion control, dust control, noise control, and coordination of work as required by permits.</b>  <b>**Received 3.7 out 4.0 SCE Scorecard, Highest Scorecard Received for SCE!</b>  <b>Cost: \$2.5M                                      Role: Project Manager</b>	
	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>DB Substation Facility, Utilities Infrastructure Upgrade &amp; Replacement Junagadh, Gujarat, India</b>	(2) YEAR COMPLETED  2011-2013



K.	<p>(3) DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This project consisted of construction of a <b>new 15 kVA Main Sub-station; new 180,000 LF loop power distribution system with 7 sub-stations; duct-bank for fiber optic sonnet ring, tele-data system; 15, 000 LF natural gas metering and distribution system; 28,000 LF storm drain system with 15,000-gal dual pump lifting stations; 26,000 LF sanitary sewer system; 14,000 LF domestic and fire water system, with a 20,000-gal surge reservoir.</b> The scope of work included: <b>excavation and trenching; install electrical H.V.; low voltage system; sewer, domestic water systems; tele-data system; demolition; concrete paving; asphalt paving; street lights; fencing; area security lighting; relocate existing tire equipment and associated equipment; flooring; interior framing; drywall; electrical; plumbing; ceiling; surface preparation; painting and coating; and finishes.</b></p> <p><b>COST: \$23M</b>                      <b>ROLE: Project Engineer</b></p>	
L.	<p>(1) TITLE AND LOCATION</p> <p><b>Child Care Center</b> Keshod, Gujarat, India</p> <p>The project was for the construction of a Child Care Center in Keshod, India. The project consisted of building renovations of a <b>4,000 SF Child Care Facility</b> and construction of a new <b>3,000 SF addition.</b> The scope of work included: <b>foundation; concrete slab; structural steel; masonry walls; windows; doors; roofing; interior framing; electrical and lighting; fire suppression systems; fire alarm, and security systems; HVAC; plumbing, drywall; ceilings; interior finishes; and flooring.</b> The project also included: temporary relocation of a portion of the <b>Daycare Center</b> into <b>temporary construction trailers.</b></p> <p><b>Cost: \$1.6M</b>                      <b>Role: Jr. Project Manager</b></p>	<p>(2) YEAR COMPLETED</p> <p>2010-2011</p>
M.	<p>(1) TITLE AND LOCATION</p> <p><b>Design-Build Service Apartments (Hotel)</b> Surat, Gujarat, India</p> <p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Description:</b> This Design-Build Project was for the ground up construction of a 5-star hotel which included 304 rooms, 11 floors located in Gujarat, India.</p> <p><b>The scope of work included:</b> demolition; site grading; site utilities; concrete work hand operations; pile driving; footings; steel reinforcement; concrete placement; striping and signage; material storage; finishes; delivery &amp; storage erection; underground utilities-water, gas, sewage and wastewater system &amp; communication cables; masonry; flooring; plastering; plumbing; fire sprinkler systems; fire alarm systems; electrical instrumentation-alarm and intercom, underground; HVAC; paving; landscaping; steel water storage tanks; electrical system for elevators; toilet partitions.; landscaping; SWPPP and BMP implementation; structural steel; stucco; single ply membrane and standing seam roofing; AT/FP compliant energy efficient windows/doors; life safety systems; drywall and insulation; acoustical and drywall ceilings; cabinetry; resilient flooring; ceramic tile; painting; restroom accessories; food service equipment; projectors/screens.</p> <p><b>Cost: \$45M</b>                      <b>Role: Jr. Project Manager</b></p>	<p>(2) YEAR COMPLETED</p> <p>2013-2015</p>



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Aaron Imera</b>	Superintendent	15	9
FIRM NAME AND LOCATION ( <i>City and State</i> ) Hal Hays Construction, Inc., Riverside, CA			
EDUCATION ( <i>Degree, Specialization, Training &amp; Certification</i> )			
<ul style="list-style-type: none"> <li>▪ Subcontractor &amp; Site Safety Management Training</li> <li>▪ 2014 EM 385-1-1 40-Hour</li> <li>▪ OSHA 30 Hour Certificate</li> <li>▪ 2012 CPR &amp; First Aid Training</li> <li>▪ Competent Person Training</li> <li>▪ Excavation &amp; Trenching Training</li> <li>▪ Fall Protection Training</li> <li>▪ All-Terrain Powered Industrial Truck Training</li> <li>▪ Heavy Equipment Operator Card</li> <li>▪ Grinder/Pulverizer Operator Card</li> </ul>			
OTHER PROFESSIONAL QUALIFICATION			
<p>Mr. Imera has extensive Department of Defense, government, PUC, private and public sector, experience related to Design-Build facility improvements and heavy civil construction. He has project experience specific to work areas such as: demolition; storm water, utilities, bridge systems; surface preparation; painting and coating; systems testing; waste management practices; and work on active military sites.</p> <p><b>Software Skills:</b> MS Windows, Outlook, and SureTrak</p> <p><b>Job Skills:</b> Superintendent/SSHO/Quality Control, Earthwork, and Safety Tasks</p> <p>For the following projects, Mr. Imera executed the role of Assistant Superintendent, including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up; maintaining day to day project scheduling; executing the construction schedule (CPM); supervising work force and subcontractors; implementing safety programs and procedures; preparation of AHAs; site inspections; advising management of any deficiencies; safety training; accident investigation and reporting; and safety inspection to ensure compliance. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
EMPLOYMENT HISTORY			
2010 - Present	Hal Hays Construction, Inc., Riverside, CA	Superintendent	
2004 - 2010	Palm Canyon Contractors, Inc., Yucaipa, CA	Foreman/Heavy Equipment Operator	





**RELEVANT PROJECTS**

		(2) YEAR COMPLETED
a.	(1) title and location SoCalGas Bakersfield Base New Facility Bakersfield, CA	Ongoing
	(3) brief description and specific role <input type="checkbox"/> Check if project performed with current firm  Construction of the new 31,370 square-foot regional base facility in Bakersfield. The new facility serves thousands of homes and business that use natural gas in Kern County. The facility also includes a compressed natural gas (CNG) station for company and public use. Develop the 10.33-acre site will become the SoCal Gas Regional Epicenter. The work consists of: <ul style="list-style-type: none"> <li>▪ Site grading, paving, site utilities, drainage systems and modifications to fill soils</li> <li>▪ Parking for employees and company vehicles.</li> <li>▪ Perimeter fencing, CMU walls</li> <li>▪ Office and Training Building of approximately 31,370 sf.</li> <li>▪ Storage Building for Logistic of approximately 9,000 sf.</li> <li>▪ Repair Garage and fueling stations of approximately 3,800 sf.</li> <li>▪ Site storage facilities</li> </ul> Project Value: \$20.0M                      Role: Assistant Superintendent	
b.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA	2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> The project involving the placement of erosion control devices, implementation and maintenance of the storm water pollution prevention plan; removing and salvaging the existing chain link and wrought iron fencing; demolition of the existing wood fencing; construction of split face concrete block walls; construction of a 7-foot high wrought iron fence; painting the existing walls; installation of aggregate base, rip rap, 6-inch PVC schedule 40 drain pipe and a catch basin. The project included earthwork with the necessary clearing, grubbing, and preparation of the site; removal and disposal of all debris; excavation; handling, storage, transportation, and disposal of all excavated material; all necessary sheeting, shoring, and protection work; preparation of subgrades; pumping and dewatering as necessary; protection of adjacent property; backfilling; construction of fills and embankments; surfacing and grading; and other appurtenant work.  <b>Project Value:</b> \$860K <b>Role:</b> Superintendent	
c.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA	2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> The project involving the placement of erosion control devices, implementation and maintenance of the storm water pollution prevention plan; removing and salvaging the existing chain link and wrought iron fencing; demolition of the existing wood fencing; construction of split face concrete block walls; construction of a 7-foot high wrought iron fence; painting the existing walls; installation of aggregate base, rip rap, 6-inch PVC schedule 40 drain pipe and a catch basin. The project included earthwork with the necessary clearing,	





f.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Eagle Canyon Debris Basin/Dam</b> Cathedral, CA	(2) YEAR COMPLETED 2015
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project constructed a new dam and debris basin, including mass earthwork (65,000 CY remediation export, 300,000 CY excavation), erosion control, blasting operations, and 2,300CY drainage structures. Oversight of in-house crews including: demolition, equipment operators, site utilities (storm drain), concrete, and excavation/grading. This project provided flood detention and hazard mitigation of rain, mud, and debris for Cathedral City.  <b>Project Value: \$10.3M                      Role: Superintendent</b>	
g.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Edison Pedestrian Bridge</b> Rosemead, CA	(2) YEAR COMPLETED 2015
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the construction of an elevated pedestrian bridge, over a major roadway to connect two buildings at the 2nd floor. Work areas include: path-of-travel modifications, secured access entry, concrete work, bridge installation, site work, street improvements, and facility renovations. Oversight of in-house crews in: Demolition, Excavation/Grading, Traffic Control Measures, Landscaping, Concrete Work, and Painting.  <b>Project Value: \$3.7M                      Role: Superintendent</b>	
h.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Desert Hill Truck Inspection Facility</b> Banning, CA	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the construction of the Desert Hills Truck Inspection Facility in Banning, CA for Caltrans. This scope of work included: SWPPP & BMP implementation; site work; earthwork; abandonment of unused pipelines; underground sewer <b>system upgrade</b> ; concrete work; <b>mechanical systems</b> ; <b>electrical systems</b> ; <b>plumbing systems</b> ; structural steel placement for facility; carpentry; thermal and moisture protection; doors and windows; <b>surface preparation</b> ; <b>painting and coating</b> ; <b>finishes</b> ; signage; and traffic control.  <b>Project Value: \$2.2M                      Role: Superintendent/SSHO/QC</b>	
i.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Taxiway Mike Bypass Road</b> Travis Air Force Base, Fairfield, CA	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the construction of a bypass road around Taxiway Mike at Travis Air Force Base in Fairfield, CA for NAVFAC Southwest. The project consists of constructing and relocating perimeter road from W Street to south of the existing south gate facility with an A/C pavement, travel lanes and unpaved shoulders. The scope of work included: <b>demolition</b> to include the <b>removal</b> , grinding and pulverizing portions of the existing A/C pavement;	



	<p>excavation and compaction of sub-grade; poured-in-place concrete; install joint sealer in all control joints; pavement striping and signage; traffic control measures; SWPPP and BMP implementation; <b>demolition</b> of existing fencing; construction of new fencing; <b>construction of a water line near</b> the horse stables to near the existing south gate facility; and reconstruction of pavement adjacent to the existing south gate facility.</p> <p><b>Project Value:</b> \$5.7      <b>Role:</b> Superintendent/SSHO</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Replace Fire Sprinklers at Buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404</b>          Defense Distribution Depot and Marine Corps Logistics Base          Barstow, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012 - 2013</p>
j.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design Build project was for the design and replacement of existing failed dry-pipe fire sprinkler systems in buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404 at the Defense Distribution Depot and Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: excavation and trenching; <b>demolition and removal</b> of existing dry-pipe fire sprinkler systems; new required piping; sprinkler heads; alarm valve; tamper and flow switches; double-check assembly backflow preventers (existing backflow preventers to remain); <b>all piping connections to existing water supply</b> (existing underground laterals; backflow preventers; fire department connections; and backflow preventer test connections to remain where reused); <b>surface preparation; painting and coating;</b> and <b>connections</b> to existing fire alarm systems.</p> <p><b>Project Value:</b> \$9.1M      <b>Role:</b> Superintendent/SSHO</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Repair Utility Meters</b>          Beale Air Force Base, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2013</p>
k.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design Build project was for the design and installation of <b>utility meters</b> at the Beale Air Force Base, CA for the U.S. Army Corps of Engineers. The scope of work included: <b>repairing</b> existing gas meters, <b>electrical meters</b>, and <b>water meters</b>, including <b>surface preparation, painting and coating;</b> and <b>installing new</b> gas meters, <b>electrical meters</b>, and <b>water meters</b> for various buildings at Beale AFB. All meters were to be compatible with and connected to the Base's Direct Digital Control (DDC) Siemens Apogee System, INSIGHT Version 3.11 to allow remote monitoring.</p> <p><b>Project Value:</b> \$350K      <b>Role:</b> Alternate Superintendent/SSHO</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Replace Water System Phase II</b>          Vandenberg AFB, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2010 - 2011</p>
l.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the replacement of a water system, Phase II, Vandenberg AFB, CA for the U.S. Army Corps of Engineers. The project mandated the provision of all labor, material and equipment necessary to abandon and cap-off approximately 1,200 LF of existing 6"; 15,200 LF of 8"; 1,800 LF of 12"; 4,900 LF of 21" piping system; appurtenances in the main cantonment area at Vandenberg Air Force Base; and replace the old system with new HDPE water pipe system. The scope of work included: <b>demolition;</b> clearing and grubbing; excavation; backfill; compaction; saw-cutting existing asphalt roadways; <b>disposal of debris;</b> trench-line excavation; concrete work; replacement of concrete curbs, gutters, and sidewalks; asphalt paving to effect <b>installation of the new piping systems; pressure testing new system; flushing and sterilizing system; bacteriological testing;</b> and re-seeding and landscaping disturbed areas.</p> <p><b>Project Value:</b> \$1.6M      <b>Role:</b> Superintendent/SSHO</p>	





NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Nigee Mani</b>	<b>Lead Project Engineer</b>	<b>8</b>	<b>2 yr</b>
FIRM NAME AND LOCATION Hal Hays Construction, Inc., Riverside, CA			
EDUCATION <ul style="list-style-type: none"> <li>▪ Master of Technology Water Resources Engineering &amp; Management, National Institute of Technology, Karnataka, India</li> <li>▪ Bachelor of Technology Civil Engineering, Mar Athanasius College of Engineering, Kerala, India</li> <li>▪ Design &amp; Hydraulic Systems</li> <li>▪ Atkins Excellence Awards 2016</li> <li>▪ Atkins in MERIT 2016</li> <li>▪ CPR &amp; First Aid Training</li> <li>▪ Irrigation Technology &amp; Water Management</li> <li>▪ Applied Hydromechanics</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS Mrs. Mani has extensive experience in Public Utility Companies, Department of Defense, Government, Public and Private work sector with <b>Design Build, new construction of buildings, facility renovation, and heavy/civil construction.</b> She maintains specific experience in this project's work areas such as: <b>facility construction and renovation; facility maintenance, upgrades and repairs; electrical, HVAC, fire alarm and fire sprinkler systems, doors &amp; locks, lighting upgrade, demolition, site work, utilities, PEBs,</b> and project site safety. Mrs. Mani provides oversight of the project's technical complements, including plans and specifications.  <b>Software Skills:</b> Micro Drainage Win DES, Civil 3D, AutoCAD 2016, MX Road, Navisworks Mange, Map info Professional, MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, SAGE Masterbuilder  <b>Job Skills:</b> Project Engineering, Quality Control, Scheduling and Safety Tasks, Safety Regulations, Scheduling and Coordinating Subcontractors and Project Management  For the following projects, Mrs. Mani executed the role of <b>Project Engineer.</b> Responsibilities included: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; implementing subcontracts and purchase orders; oversight of subcontractor's, supplier's and manufacturer's scheduling; project buyout, including estimating, subcontract coordination, and change order document control; development and tracking of internal Work-in-Progress benchmarks; close out documentation; and preparation of As-Built drawings from field redlines in AutoCAD. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.			
EMPLOYMENT HISTORY			
2017 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Engineer	
2015 – 2017	WS Atkins, India	Project Engineer	
2014 – 2014	CWRDM, India	Project Engineer	
2011 – 2011	Larsen & Toubro, India	Project Engineer	

**RELEVANT PROJECTS**

RELEVANT PROJECTS					
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	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>SoCalGas Bakersfield Base New Facility</b> Bakersfield, CA	2018 - Present				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Construction of the <b>new 31,370 square-foot regional base facility in Bakersfield</b>. The new facility serves thousands of homes and business that use natural gas in Kern County. The facility also includes a compressed natural gas (CNG) station for company and public use.</p> <p>Develop the 10.33-acre site will become the SoCal Gas Regional Epicenter. The work consists of:</p> <ul style="list-style-type: none"> <li>◆ Site grading, paving, drainage systems and modifications to fill soils</li> <li>◆ Office and Training Building of approximately 31,370 sf.</li> <li>◆ Storage Building for Logistic of approximately 9,000 sf.</li> <li>◆ Repair Garage and fueling stations of approximately 3,800 sf.</li> <li>◆ Site storage facilities</li> <li>◆ Parking for employees and company vehicles.</li> <li>◆ Perimeter fencing</li> </ul> <p><b>Cost: \$20.0M      Role: Project Engineer</b></p>					
B.	<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">(1) TITLE AND LOCATION</td> <td style="width: 30%;">() YEAR COMPLETED</td> </tr> <tr> <td><b>City of Palm Springs Police Department Remodel</b> Palm Springs, CA</td> <td style="text-align: center;">2018</td> </tr> </table>	(1) TITLE AND LOCATION	() YEAR COMPLETED	<b>City of Palm Springs Police Department Remodel</b> Palm Springs, CA	2018
	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>City of Palm Springs Police Department Remodel</b> Palm Springs, CA	2018				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Complete remodel of the existing Palm Springs Police Department Training Center, Library, Lobby &amp; Records department, Detective Bureau, and Men’s and Women’s Locker Rooms. The scope of work included demolition, mold remediation, furniture disposition, fire line, sprinkler and alarm system, domestic water line, miscellaneous concrete work, carpet, floor and wall tile, doors, window coverings, drywall and framing, plumbing fixtures and counter tops, cabinets, lighting fixtures, tempered glass, paint, signage, audio/video equipment.</p> <p><b>Cost: \$4.3M      Role: Project Engineer</b></p>					
C.	<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">(1) TITLE AND LOCATION</td> <td style="width: 30%;">() YEAR COMPLETED</td> </tr> <tr> <td><b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA</td> <td style="text-align: center;">2017-2018</td> </tr> </table>	(1) TITLE AND LOCATION	() YEAR COMPLETED	<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018
	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Rehabilitate both southbound and northbound Roadside Rest Areas, on Interstate Route 15, about 30 miles east of Barstow, CA.</p> <p>Scope of work included:</p> <ul style="list-style-type: none"> <li>▪ <b>Southbound:</b> <ul style="list-style-type: none"> <li>▪ Demo existing rest area, all site concrete, asphalt and trees. Provide salvage of key items.</li> <li>▪ Construct 2 new CMU buildings</li> <li>▪ Construct Interpretative Center, 3 picnic shelters and 2 fire water tanks &amp; enclosures</li> <li>▪ New site utilities include RCP storm water drain, sewer, building water, and electrical</li> </ul> </li> </ul>					

	<ul style="list-style-type: none"> <li>▪ Site improvements include new concrete sidewalks, new asphalt car parking and truck parking, perimeter CMU wall, and entry monument sign</li> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ <b>Northbound:</b> <ul style="list-style-type: none"> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ Install 2 new fire water tanks and 7 enclosures</li> <li>▪ Install new canopy and perform minor electrical for existing waste water tanks</li> <li>▪ Remove/replace existing urinals with new waterless fixtures</li> </ul> </li> </ul> <p><b>Cost: \$7.5M                      Role: Project Engineer</b></p>	
D.	<p>(1) TITLE AND LOCATION</p> <p><b>NAVFAC Design Build P111 Armory, Marine Corps Base</b> Camp Pendleton, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Design Build project for the US Naval Facilities Engineering Command. Work scope areas included: demolition; site preparation; paving; masonry; site improvements; electrical and mechanical utilities; seismic features; Anti-Terrorism Force Protection and LEED sustainability requirements. Additional work includes POV parking and Snap-In Training Pit. Specific work areas included:</p> <ul style="list-style-type: none"> <li>▪ Site Prep: SWPPP and BMP implementation; Demolition; Heavy Civil Earthwork &amp; Grading; Clear &amp; Grub; Underground Storm Drain System; Structural Concrete</li> <li>▪ Site Work &amp; Site Utilities: Bituminous Paving; Aggregate Base Course; Pavement Markings; High Security Fencing; Planting; Water Distribution; Natural Gas &amp; Liquid Petroleum Piping; Sanitary Sewers; Lift Stations; Force Mains, Sewer &amp; Storm Drains.</li> <li>▪ Facility Work &amp; Build Out: Masonry; Casework; Solid Surface Countertops; Insulation; Doors/Frames &amp; Hardware; Vault Doors; Windows; Metal Stud Framing/Gypsum Board; Wire Mesh Partitions; Roofing; Tile; Acoustical Ceiling; Flooring; Paint &amp; Wall Covering</li> <li>▪ Interiors &amp; Building Systems: High Performance Coatings; Signage; Toilet Accessories; Metal Lockers; Entrance Mats; Fire Extinguishers; Fire Suppression; Plumbing; HVAC; Electrical; Communications; Electronic Safety &amp; Security</li> </ul> <p>The Armory serves the Marine Aircraft Group (MAG-39) at Camp Pendleton, the United States Marine Corps' key West Coast base.</p> <p><b>Cost: \$4.4M                      Role: Project Engineer</b></p>	
E.	<p>(1) TITLE AND LOCATION</p> <p><b>Ontario Police Department- Headquarters Renovations</b> Ontario, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project included the construction of approximately <b>11,000 SF of tenant improvements</b>, including a Dispatch Center (with ancillary rooms such as a Break Room, Locker Room and offices), Watch Commander's Office, Briefing Room, Storage Rooms and private offices. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Construction will include, but is not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings and low-voltage cabling.</p> <p><b>Cost: \$2.2M                      Role: Project Engineer</b></p>	





NAME				
<b>Jwalit Kansara</b>	<b>ROLE IN THIS CONTRACT</b>  <b>Lead Technical Specialist</b>	<b>YEARS EXPERIENCE</b>		
		<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;"><b>a. TOTAL</b>  <b>8</b></td> <td style="width: 50%;"><b>b. WITH CURRENT FIRM</b>  <b>3</b></td> </tr> </table>	<b>a. TOTAL</b>  <b>8</b>	<b>b. WITH CURRENT FIRM</b>  <b>3</b>
<b>a. TOTAL</b>  <b>8</b>	<b>b. WITH CURRENT FIRM</b>  <b>3</b>			
<b>FIRM NAME AND LOCATION</b> Hal Hays Construction, Inc., Riverside, CA				
<b>EDUCATION</b>				
<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>▪ Master in Science, Construction Management, University of Florida</li> <li>▪ Bachelor's on Technology, Civil Engineering, Pandit Deendayal Petroleum University, India</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> <li>▪ C2 Workzone Traffic Control Certified</li> <li>▪ First Aid Training</li> <li>▪ CMAA Certified</li> <li>▪ OSHA 30 Hour Certified</li> <li>▪ USGBC Certified</li> </ul> </td> </tr> </table>			<ul style="list-style-type: none"> <li>▪ Master in Science, Construction Management, University of Florida</li> <li>▪ Bachelor's on Technology, Civil Engineering, Pandit Deendayal Petroleum University, India</li> </ul>	<ul style="list-style-type: none"> <li>▪ C2 Workzone Traffic Control Certified</li> <li>▪ First Aid Training</li> <li>▪ CMAA Certified</li> <li>▪ OSHA 30 Hour Certified</li> <li>▪ USGBC Certified</li> </ul>
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<b>OTHER PROFESSIONAL QUALIFICATIONS</b>				
<p>Mr. Kansara has extensive experience in Public Utility Companies, Department of Defense, Government, Public and Private work sector with <b>Design Build, new construction of buildings, facility renovation, and heavy/civil construction</b>. She maintains specific experience in this project's work areas such as: <b>facility construction and renovation; facility maintenance, upgrades and repairs; electrical, HVAC, fire alarm and fire sprinkler systems, doors &amp; locks, lighting upgrade, demolition, site work, utilities, PEBS</b>, and project site safety. Mrs. Mani provides oversight of the project's technical complements, including plans and specifications.</p> <p><b>Software Skills:</b> Micro Drainage Win DES, Civil 3D, AutoCAD 2016, MX Road, Navisworks Mange, Map info Professional, MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, SAGE Masterbuilder</p> <p><b>Job Skills:</b> Project Engineering, Quality Control, Scheduling and Safety Tasks, Safety Regulations, Scheduling and Coordinating Subcontractors and Project Management</p> <p>For the following projects, Mr. Kansara executed the role of <b>Project Engineer</b>. Responsibilities included: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; implementing subcontracts and purchase orders; oversight of subcontractor's, supplier's and manufacturer's scheduling; project buyout, including estimating, subcontract coordination, and change order document control; development and tracking of internal Work-in-Progress benchmarks; close out documentation; and preparation of As-Built drawings from field redlines in AutoCAD. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>				
<b>EMPLOYMENT HISTORY</b>				
2017 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Engineer		
2015 – 2017	WS Atkins, India	Project Engineer		
2014 – 2014	CWRDM, India	Project Engineer		
2011 – 2011	Larsen & Toubro, India	Project Engineer		



**RELEVANT PROJECTS**

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	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>DB Operations Access Points Red Beach</b> Marine Corps Base, Camp Pendleton, CA	Present				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Hal Hays Construction, Inc. (HHCI) served as the <b>prime contractor</b> to the US Naval Facilities Engineering Command to provide design and build services for the Operations Access Points Red Beach project at MCB Camp Pendleton, CA. This project <b>(1) upgraded and improved</b> the access route between the "Red Beach" amphibious landing training beach and inland training area to improve <b>'Ship to Shore' military training access</b>; and <b>(2) constructed a new North County Transit District (NCTD) railroad bridge and new double-track railroad section</b>, to replace the existing dual arched concrete bridge.</p> <p>The project mitigated the <b>(1) horizontal roadway constraints, (2) Interstate I-5 Freeway north and south bound bridge vertical constraints, and (3) the North County Transit District (NCTD) double arch concrete railroad bridge constraints</b> to allow bi-directional.</p> <p><b>Cost: \$15.0M                      Role: Project Engineer</b></p>					
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	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>Design Build San Jacinto Road Expansion</b> Palm Springs, CA	2019				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Hal Hays Construction, Inc. (HHCI) served as a <b>prime contractor</b> to the US Naval Facilities Engineering Command, to design and build the \$4.3M San Jacinto Road Expansion at Marine Corps Base Camp Pendleton, CA. This <b>MILCON project</b> provided road and traffic circulation improvements to the entire installation and improved traffic flow and pedestrian safety.</p> <p>The project's work scope includes <b>(1) design development, (2) demolition, (3) utility relocations, (4) re-grading, (5) new storm drains, (6) electrical work, (7) paving to reverse crown slope on San Jacinto Road to Wire Mountain Road intersection, (8) traffic signals, (9) street lighting and associated underground electrical work, (10) electrical equipment installation, (11) slurry seal, (12) new road surface transition, (13) striping, and (14) signage.</b></p> <p><b>Cost: \$4.3M                      Role: Project Engineer</b></p>					
C.	<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">(1) TITLE AND LOCATION</td> <td style="width: 30%;">() YEAR COMPLETED</td> </tr> <tr> <td><b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA</td> <td style="text-align: center;">2017-2018</td> </tr> </table>	(1) TITLE AND LOCATION	() YEAR COMPLETED	<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018
	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Rehabilitate both southbound and northbound Roadside Rest Areas, on Interstate Route 15, about 30 miles east of Barstow, CA.</p> <p>Scope of work included:</p> <ul style="list-style-type: none"> <li>▪ <b>Southbound:</b> <ul style="list-style-type: none"> <li>▪ Demo existing rest area, all site concrete, asphalt and trees. Provide salvage of key items.</li> <li>▪ Construct 2 new CMU buildings</li> <li>▪ Construct Interpretative Center, 3 picnic shelters and 2 fire water tanks &amp; enclosures</li> <li>▪ New site utilities include RCP storm water drain, sewer, building water, and electrical</li> </ul> </li> </ul>					

	<ul style="list-style-type: none"> <li>▪ Site improvements include new concrete sidewalks, new asphalt car parking and truck parking, perimeter CMU wall, and entry monument sign</li> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ <b>Northbound:</b> <ul style="list-style-type: none"> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ Install 2 new fire water tanks and 7 enclosures</li> <li>▪ Install new canopy and perform minor electrical for existing waste water tanks</li> <li>▪ Remove/replace existing urinals with new waterless fixtures</li> </ul> </li> </ul> <p><b>Cost: \$7.5M                      Role: Project Engineer</b></p>	
D.	<p>(1) TITLE AND LOCATION</p> <p><b>NAVFAC Design Build P111 Armory, Marine Corps Base</b> Camp Pendleton, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Design Build project for the US Naval Facilities Engineering Command. Work scope areas included: demolition; site preparation; paving; masonry; site improvements; electrical and mechanical utilities; seismic features; Anti-Terrorism Force Protection and LEED sustainability requirements. Additional work includes POV parking and Snap-In Training Pit. Specific work areas included:</p> <ul style="list-style-type: none"> <li>▪ Site Prep: SWPPP and BMP implementation; Demolition; Heavy Civil Earthwork &amp; Grading; Clear &amp; Grub; Underground Storm Drain System; Structural Concrete</li> <li>▪ Site Work &amp; Site Utilities: Bituminous Paving; Aggregate Base Course; Pavement Markings; High Security Fencing; Planting; Water Distribution; Natural Gas &amp; Liquid Petroleum Piping; Sanitary Sewers; Lift Stations; Force Mains, Sewer &amp; Storm Drains.</li> <li>▪ Facility Work &amp; Build Out: Masonry; Casework; Solid Surface Countertops; Insulation; Doors/Frames &amp; Hardware; Vault Doors; Windows; Metal Stud Framing/Gypsum Board; Wire Mesh Partitions; Roofing; Tile; Acoustical Ceiling; Flooring; Paint &amp; Wall Covering</li> <li>▪ Interiors &amp; Building Systems: High Performance Coatings; Signage; Toilet Accessories; Metal Lockers; Entrance Mats; Fire Extinguishers; Fire Suppression; Plumbing; HVAC; Electrical; Communications; Electronic Safety &amp; Security</li> </ul> <p>The Armory serves the Marine Aircraft Group (MAG-39) at Camp Pendleton, the United States Marine Corps' key West Coast base.</p> <p><b>Cost: \$4.4M                      Role: Project Engineer</b></p>	
E.	<p>(1) TITLE AND LOCATION</p> <p><b>Ontario Police Department- Headquarters Renovations</b> Ontario, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project included the construction of approximately <b>11,000 SF of tenant improvements</b>, including a Dispatch Center (with ancillary rooms such as a Break Room, Locker Room and offices), Watch Commander's Office, Briefing Room, Storage Rooms and private offices. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Construction will include, but is not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings and low-voltage cabling.</p> <p><b>Cost: \$2.2M                      Role: Project Engineer</b></p>	



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jerry Neuman	General Superintendent	21	16
FIRM NAME AND LOCATION <i>(City and State)</i> Hal Hays Construction, Inc., Riverside, CA			
EDUCATION <i>(Degree, Specialization, Training &amp; Certification)</i>			
<ul style="list-style-type: none"> <li>▪ 1987 Universal Technical Institute, Phoenix AZ, Occupational Associate Degree</li> <li>▪ 1986 Big Bear High, Big Bear Lake, CA</li> <li>▪ 2012 EM 385-1-1 40-Hour</li> <li>▪ OSHA 30-Hour Certificate</li> <li>▪ OSHA 10-Hour Certificate</li> <li>▪ 2014 CPR &amp; First Aid Training</li> <li>▪ Subcontractor &amp; Site Safety Management Training</li> <li>▪ SureTrak Certified</li> <li>▪ Contractor Fire Line Safety Training</li> <li>▪ Emergency Equipment Operator Certified</li> <li>▪ Forestry Safety &amp; Operational Training</li> <li>▪ The Competent Person Training</li> <li>▪ Confined Space Entry Training</li> <li>▪ Excavation &amp; Trenching Training</li> <li>▪ Fall Protection Training</li> <li>▪ 2012 Aerial Lift Training</li> <li>▪ 2012 All Terrain Powered Industrial Truck Training</li> <li>▪ Powder Actuated Tools Training</li> <li>▪ 40-Hour Bid-Well Service School Safe Operation &amp; Maintenance Bid-Well 6500</li> <li>▪ Dust Control Training</li> </ul>			
OTHER PROFESSIONAL QUALIFICATION			
<p>Mr. Neuman has experience related to <b>underground wet utilities</b> (including distribution piping, valves, and connections), <b>Design-Build facility improvements and civil construction</b>. He has project experience specific to work areas such as: <b>demolition; earthwork; grading; excavation and trenching; concrete structures, paving; traffic control measures;</b> and Department of Defense work on military sites.</p> <p><b>Software Skills:</b> MS Windows, Outlook, and SureTrak</p> <p><b>Job Skills:</b> Superintendent/SSHO/Quality Control, Earthwork, and Safety Tasks</p> <p>For the following projects, Mr. Neuman executed the role of General Superintendent, including: Program-wide coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight and program-wide resource management including project construction methods consultant, program planning for staffing, scheduling, logistics, and project resources, technical consultation with A/E and subcontractors, safety and quality management consultation with project teams. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
2017 - PRESENT	HAL HAYS CONSTRUCTION, INC., RIVERSIDE, CA	GENERAL SUPERINTENDENT	
2015 - 2017	STRONGHOLD ENGINEERING	SUPERINTENDENT	
2003 - 2015	HAL HAYS CONSTRUCTION, INC., RIVERSIDE, CA	GENERAL SUPERINTENDENT	
2001 - 2003	BEAR VALLEY PAVING, BIG BEAR LAKE, CA	SUPERINTENDENT/HEAVY EQUIPMENT OPERATOR	
1998 - 2001	AJ APROJECT VALUEA COMPANY, BIG BEAR LAKE, CA	SUPERINTENDENT/HEAVY EQUIPMENT OPERATOR	
1988 - 1998	CEDAR LAKE CAMP, BIG BEAR LAKE, CA	MAINTENANCE SUPERVISOR/HEAVY EQUIPMENT OPERATOR	



RELEVANT PROJECTS			
a.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION <b>Design Build San Jacinto Road Extension</b> Marine Corps Base, Camp Pendleton, CA</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED  2017-2018</td> </tr> </table>	(1) TITLE AND LOCATION <b>Design Build San Jacinto Road Extension</b> Marine Corps Base, Camp Pendleton, CA	(2) YEAR COMPLETED  2017-2018
	(1) TITLE AND LOCATION <b>Design Build San Jacinto Road Extension</b> Marine Corps Base, Camp Pendleton, CA	(2) YEAR COMPLETED  2017-2018	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design Build San Jacinto Road Expansion at Marine Corps Base Camp Pendleton, CA. This <b>MILCON</b> project provided road and traffic circulation improvements to the entire installation and improved traffic flow and pedestrian safety.  The project's work scope includes <b>included site clearing and grubbing, excavation/grading and shoring, roadway base materials, relocation of existing utilities such as power poles fire hydrants, storm drain inlets and structures, sewer mains and man holes, electrical conduits and pull boxes, traffic mitigation, sidewalks on both sides of the street, concrete curb &amp; gutters (both sides of the street), landscaping (temp and permanent), masonry fencing/walls for retaining, striping, signs and storm water drainage. .</b>  <b>Project Value: \$4.3M Role: General Superintendent</b>			
b.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION <b>EDA Repave French Valley Airport</b> Murrieta, CA</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED  2017</td> </tr> </table>	(1) TITLE AND LOCATION <b>EDA Repave French Valley Airport</b> Murrieta, CA	(2) YEAR COMPLETED  2017
	(1) TITLE AND LOCATION <b>EDA Repave French Valley Airport</b> Murrieta, CA	(2) YEAR COMPLETED  2017	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the County of Riverside French Valley Airport, South Apron Pavement Reconstruction. The project consisted of demolition and removal of existing tie-down anchors. Demolition of the existing pavement by saw cutting and pulverization. Excavation of the subgrade involving, earthwork, spoiling, compaction, and grading, placement of aggregate base and fine grading. Installation of prefabricated trench drain and associated outlet piping. Installation of concrete valley gutter. Paving, coring and pavement marking. Construction of new tie-down anchors.  <b>Project Value: \$1.6M Role: Superintendent</b>			
c.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION <b>City of Blythe Repave Broadway</b> Blythe, CA</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED  2017</td> </tr> </table>	(1) TITLE AND LOCATION <b>City of Blythe Repave Broadway</b> Blythe, CA	(2) YEAR COMPLETED  2017
	(1) TITLE AND LOCATION <b>City of Blythe Repave Broadway</b> Blythe, CA	(2) YEAR COMPLETED  2017	
(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The project consisted of the street improvements to Broadway Boulevard from 14th Avenue to Hobson Way and from Barnard Street to Station 8+83.73. The project included cold planning of existing pavement, the removal and disposal of various existing sections of curb and gutter, sidewalk, cross gutters, driveways and handicap curb returns. The grade adjustment of various utility appurtenances, the crack sealing of the roadway, the placement of a stress absorbing membrane interlayer (SAMI) over the roadway, the installation of new sections of curb and gutter, sidewalk, handicap ramps, spandrels, cross gutters and driveways. Also, the installation of a 2-inch-thick layer of new asphalt concrete over the entire roadway.  <b>Project Value: \$1.1M Role: General Superintendent</b>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 5px;">(1) TITLE AND LOCATION</td> <td style="width: 30%; padding: 5px; text-align: center;">(2) YEAR COMPLETED</td> </tr> </table>	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
(1) TITLE AND LOCATION	(2) YEAR COMPLETED		



d.	<b>Eagle Canyon Debris Basin/Dam</b> Cathedral City, CA	2015
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project constructed a new dam and debris basin, including mass earthwork (65,000 CY remediation export, 300,000 CY excavation), erosion control, blasting operations, and 2,300CY drainage structures. Oversight of in-house crews including: demolition, equipment operators, site utilities (storm drain), concrete, and excavation/grading. This project provided flood detention and hazard mitigation of rain, mud, and debris for Cathedral City.  <b>Project Value: \$10.5M Role: General Superintendent</b>	
e.	(1) TITLE AND LOCATION <b>Design-Build Replace Fire Sprinklers at Buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404</b> Defense Distribution Depot and Marine Corps Logistics Base Barstow, CA	(2) YEAR COMPLETED  2014
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This <b>Design-Build</b> project was for the design and replacement of existing failed dry-pipe fire sprinkler systems in buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404 at the Defense Distribution Depot and Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: excavation and trenching; <b>demolition and removal</b> of existing dry-pipe fire sprinkler systems; <b>new required piping</b> ; sprinkler heads; <b>alarm valve</b> ; <b>tamper and flow switches</b> ; double-check <b>assembly backflow preventers</b> (existing backflow preventers to remain); all <b>piping connections</b> to existing <b>water supply (existing underground laterals; backflow preventers</b> ; fire department connections; and backflow preventer test connections to remain where reused); and connections to existing fire alarm systems.  <b>Project Value: \$9.1M Role: Quality Control Manager/Safety Program Management &amp; Oversight</b>	
f.	(1) TITLE AND LOCATION <b>Design-Build Repair Utility Meters</b> Beale Air Force Base, CA	(2) YEAR COMPLETED  2013
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This <b>Design-Build</b> project was for the design and installation of utility meters at the Beale Air Force Base, CA for the U.S. Army Corps of Engineers. The scope of work included: repairing existing gas meters, electrical meters, and water meters; and installing new gas meters, electrical meters, and <b>water meters</b> for various buildings at Beale AFB. All meters were to be compatible with and connected to the Base's Direct Digital Control (DDC) Siemens Apogee System, INSIGHT Version 3.11 to allow remote monitoring.  <b>Project Value: \$350K Role: Alternate Superintendent</b>	
g.	(1) TITLE AND LOCATION <b>Replace Water System Phase II</b> Vandenberg AFB, CA	(2) YEAR COMPLETED  2010-2011
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the replacement of a water system, Phase II, Vandenberg AFB, CA for the U.S. Army Corps of Engineers. The project mandated the provision of all labor, material and equipment necessary to <b>abandon and cap-off approximately 1,200 LF of existing 6"; 15,200 LF of 8"; 1,800 LF of 12"; 4,900 LF of 21" piping system; appurtenances in the main cantonment area</b> at Vandenberg Air Force Base; and replace the old	



	<p>system with new HDPE water pipe system. The scope of work included: <b>demolition; clearing and grubbing; excavation; backfill; compaction;</b> saw-cutting existing <b>asphalt roadways;</b> disposal of debris; <b>trench-line excavation;</b> concrete work; replacement of concrete curbs; gutters, sidewalks and <b>asphalt paving</b> to effect installation of the <b>new piping systems; pressure testing new system; flushing and sterilizing system; bacteriological testing;</b> and re-seeding and landscaping disturbed areas.</p> <p><b>Project Value:</b> \$1.6M                      <b>Role:</b> Superintendent</p>	
h.	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
	<p><b>Design-Build Install Photovoltaic Systems, Various Buildings, Marine Corps Air Ground Combat Center</b> Twenty-Nine Palms, CA</p>	
i.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the installation of Photovoltaic Systems in various buildings, Twenty-Nine Palms, CA for the U.S. Marine Corps. The scope of work consisted: of providing design; construction; permitting; commissioning; and training for a 200-KW DC rooftop solar photovoltaic (PV) system in buildings 1801, 1802, 1803, 1804, 1805, and 1210. The facility provides shelter for large military tanks. This system consisted of: photovoltaic module array mounted on support brackets for roofs; electrical terminal and combiner boxes; quick-connect electrical connectors; Direct Current (DC) wiring; DC disconnect; grid-connected inverter and isolation transformer; Alternating Current (AC) disconnect; and a web-based data acquisition and monitoring system (DAS).</p> <p><b>Project Value:</b> \$2.2M                      <b>Role:</b> Quality Control Manager</p>	
	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
j.	<p><b>Install Solar PV Power Systems, Bldgs. 1239 &amp; 1235</b> Yuma, AZ</p>	
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project provided complete engineering design; provision; installation; commissioning and testing for a grid-tied; and a 32kW Thin Film Technology Solar Photovoltaic (PV) system on the roof of structure Building 1239 and 1235.</p> <p>The project included seismically bracing the existing roof structure to support the entire solar array per local Yuma, AZ requirements in addition to waterproofing the brace and frame. The brace and framing required a minimum life of 25 years and was constructed as to not interfere with the existing function of the structure. In compliance with the BEAP, HHCI matched all brace and framing paint to the existing surfaces.</p> <p><b>Project Value:</b> \$489K                      <b>Role:</b> Quality Control Manager</p>	
k.	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
	<p><b>Replace Asphalt with Concrete at Bike Lake Air Field</b> Ft. Irwin, CA</p>	
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the replacement of asphalt with concrete at Bike Lake Air Field, Ft. Irwin, CA for the U.S. Army Corps of Engineers. The scope of work included: <b>removing existing base material; pulverizing existing asphalt; compacting existing sub-grade;</b> reinstalling removed base material; installation of concrete with fiber mesh; the replacement of the existing asphalt taxiway area with <b>concrete taxiway;</b> the construction of a barrier wall between the lake and taxiway; installation of joint sealant in the control joints; and installation of <b>striping</b> of the replaced taxiway area.</p> <p><b>Project Value:</b> \$1.9M                      <b>Role:</b> Alt. Quality Control Manager/Site Safety &amp; Health Officer</p>		
	(1) TITLE AND LOCATION	(2) YEAR COMPLETED

	<b>U.S. Army Reserve Tactically Training Base</b> <b>60 Solar Security Lights</b> Fort Hunter Liggett, CA	2008
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project required provision of all parts, materials, labor, and equipment to assemble and install 60 solar security lights around the perimeter of the base cantonment area and the access points of Fort Hunter Liggett, CA for the U.S. Army Corps of Engineers. The scope of work included: Solar light kits consisting of a Model SOL TPM 250 SIN 203-98 UL listed Self-contained Solar Power Unit with three gel cell sealed batteries, controller, cobrahead fixture, LED lamp, 42 watts, 6500 Kelvin rating, mounting brackets, and 30' Direct Burial Bronze fiberglass pole. Units are specified to match newly installed Security Light System. <b>Project Value: \$538K</b> <b>Role: Project Manager/Site Safety &amp; Health Officer/QC Manager</b>	
	(1) TITLE AND LOCATION <b>Design-Build Recreational Vehicle Storage Lot</b> Marine Corps Air Station Miramar, CA	(2) YEAR COMPLETED 2008
l.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This <b>Design-Build</b> project was for the design and construction of an 807stall vehicle storage lot at Marine Corps Air Station Miramar, CA for NAVFAC SW. The scope of work included: <b>demolition</b> ; material removal; soil stabilization; treatment of lime and ash; <b>clearing and grubbing</b> ; <b>rough grading</b> ; drainage swales; storm basin; concrete placement; the construction of a 3" thick layer compacted decomposed granite over an 18" thick layer of lime and fly ash treated soil; 2" wide white <b>traffic paint markings</b> ; <b>paved asphalt access road</b> with curb and gutter; new energy efficient solar security lighting; 30-foot wide access gates with mechanized operator; key pad access system; 15' wide by 250' long staging/parking area and 130' diameter turn around area; 24' wide manual gate for emergency vehicle use; <b>fire suppression system</b> (including two <b>above ground 30,000 gallon water tanks</b> with 4 1/2 inch Siamese fire department hose connections); automatic fill and level control <b>valve assembly</b> (to monitor per NFPA 22 and 72 requirements) with signals sent over two telephones via DACT to a receiving station; security chain link/barb wire fencing; and an <b>RV dump site with an underground 10,000 gallon wastewater holding tank with integral wash down facilities</b> . This area is used by the following military operation vehicles: fire truck; pump trucks; and recreational vehicles. <b>Project Value: \$3.5M</b> <b>Role: Superintendent/Site Safety &amp; Health Officer</b>	
	(1) TITLE AND LOCATION <b>Remove and Replace Hardstand around Bldg. 573 at the Yermo Annex</b> Marine Corps Logistics Base, Barstow, CA	(2) YEAR COMPLETED 2007
m.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This phased project (phases 1-3) was for the removal and replacement of hardstand around building 573 at Yermo Annex, Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: <b>removing and replacing</b> designated areas of the <b>hardstand</b> ; cutting and removing existing concrete; prepping and re-installing approximately 122,000 SF of a higher grade, 8 to 12 inches thick <b>concrete pavement</b> ; and repairing the lifting and cracking pavement at the nearby motorcycle parking lot. <b>Project Value: \$3.3M</b> <b>Role: Superintendent</b>	
	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Design-Build NEX Complex Roads &amp; Parking Reconfiguration</b> Naval Base Coronado, CA	(2) YEAR COMPLETED 2005
n.		





	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the reconfiguration of NEX Complex roads and parking lot, Naval Base Coronado, CA for NAVFAC SW. The scope of work included: the Design-Build of the Naval Exchange and Commissary Complex Parking Lots and street flow patterns; <b>asphalt pavement</b> demolition; placement of 1,700 LF of curb; 1,120 tons base and 650 tons of new asphalt pavement; sidewalks; an 880 LF curb and gutter; landscaping islands (including trees; plants; and irrigation system); relocation of existing light poles; relocation of a drive-through call box; installation of island irrigation system; and new driveway access from the street. The project required coordination of work around <b>heavy traffic</b> and visitors in occupied and operational military base, and provision of crew housing.</p> <p><b>Project Value:</b> \$473K                      <b>Role:</b> Superintendent</p>	
	<p>(1) TITLE AND LOCATION</p> <p><b>Main Access Control Point Modernization</b> Fort. Irwin, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2005</p>
o.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project for the upgrading of the Main Access Control Point Modernization, Ft. Irwin, CA for the U.S. Army Corps of Engineers. The scope of work included: Fort Irwin's Main Access Control Point facility to meet new Department of Defense anti-terrorism force protection regulations; requiring extensive modernization and site improvements. HHCI successfully executed this project while facing difficult project remote locale; work in extreme temperatures; management of deliveries to remote site; coordinating work in multiple sites concurrently; and coordinating work around <b>heavy traffic</b> and installation's operational ingress and egress areas. Construction operations included: construction of guard stations; installation of blast resistant metals; doors; frames; windows; heating and cooling system installation; restroom facilities; <b>plumbing</b>; addition of architectural stone to building facade; and construction of 50x60 FT canopy system. Government additional requests for work included: location of power to visitor's center; <b>additional asphalt paving</b>; new concrete pad; and power pole relocation.</p> <p><b>Project Value:</b> \$2.7M                      <b>Role:</b> Alternate Superintendent/Operator</p>	



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Thomas James "TJ" Lancaster</b>	<b>Corporate Safety Manager</b>	<b>20+</b>	<b>2</b>
FIRM NAME AND LOCATION Hal Hays Construction, Inc., Riverside, CA			
EDUCATION <ul style="list-style-type: none"> <li>▪ Health &amp; Safety Management Certificate</li> <li>▪ Electrical Safety Certificate</li> <li>▪ 7505 Accident Investigation Certificate</li> <li>▪ 2264 Permit Confined Space Certificate</li> <li>▪ 5119 CALOSHA General Industry Certificate</li> <li>▪ 521 Industrial Hygiene Certificate</li> <li>▪ 40-Hazwoper First Responder</li> <li>▪ OSHA DOT Security &amp; Transport Certificate</li> <li>▪ 511 General Industry Safety Certificate</li> <li>▪ Silica in the work place Trainer</li> <li>▪ Blood Borne Pathogens Certificate</li> <li>▪ 2017 EM 385-1-1 40-Hour</li> <li>▪ OSHA 501 Trainer</li> <li>▪ OSHA 500 Trainer</li> <li>▪ OSHA 10-Hour Certificate</li> <li>▪ CPR and First Aid Instructor</li> <li>▪ 995 Confined Space Trainer</li> <li>▪ Excavation and Trenching Training</li> <li>▪ Fall Protection Training</li> <li>▪ Scaffolding Training</li> <li>▪ Powder Actuated Tools Training</li> <li>▪ Workplace Harassment Training</li> <li>▪ 510 OS&amp;H for Construction Industry Certificate</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS <p>Mr. Lancaster has extensive experience in Department of Defense, Government, Public and Private work sector with <b>facility renovation, new construction of buildings</b>, and heavy/civil construction. He maintains specific experience in this project's work areas such as: <b>facility construction and renovation; facility maintenance, upgrades and repairs; electrical, HVAC, fire alarm and fire sprinkler systems, doors &amp; locks, lighting upgrade, demolition, site work, utilities, PEBS</b>, and project site safety.</p> <p><b>Software Skills:</b> MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, SAGE Masterbuilder</p> <p><b>Job Skills:</b> Safety Management, Safety Regulations, Scheduling, Safety Tasks, Supervision, Training, Quality Control, Crew Production, Scheduling and Coordinating Subcontractors, Heavy Civil Operations, and Project Management</p> <p>For the following projects, Mr. Lancaster executed the role of Corporate Site Safety Health Officer including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; maintaining day to day project scheduling; executing the construction schedule (CPM); supervising work force and subcontractors; implementing safety programs and procedures; preparation of AHAs; site inspections; advising management of any deficiencies; safety training; accident investigation and reporting; safety inspection to ensure compliance; and maintaining Quality Control information on a daily basis. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
EMPLOYMENT HISTORY			
2018 - Present	Hal Hays Construction, Inc., Riverside, CA	Corporate Safety Manager	
2016 - 2018	Mark Beamish Waterproofing, Irvine, CA	Health & Safety Manager	
2014 - 2016	Roy Jorgensen Associates, Irvine, CA	Health & Safety Manager	
2009 - 2013	Southern California Edison, CA	EH&S Radiological Waste Tech	

RELEVANT PROJECTS	
<p>(1) TITLE AND LOCATION</p> <p><b>Design-Build Expand Biola University, Lydia Lim Center for Science, Technology and Health</b> La Mirada, CA</p>	<p>( ) YEAR COMPLETED</p> <p style="text-align: center;">2018</p>
<p>a.</p>	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Project Description:</u></p> <p>This design-build project was for design and construction of renovations and expansions to Biola University 13800 Biola Ave La Mirada, Ca. 90639. The project was to add the Science, Technology and Health Center. This addition increased Biolas building capacity by 91,200 sq. ft. adding 27 laboratories, six classrooms, a human anatomy suite, green house space for the botany program, a dedicated SEM (scanning and electron microscope) lab and TEM (transmission electron microscope) lab, and state-of-the art technology.</p> <p>The scope of work included: resilient flooring; concrete polishing; above and below grade waterproofing.</p> <p>Design Build Effort: In addition, design build work included design for clean air purifying systems for the floor grinding process to minimize any hazardous silica release. Mark Beamish Waterproofing worked around occupied and operational facilities including the phasing and sequencing of work progress to minimize any potential exposure to hazardous substances.</p> <p>Awards and Recognition:</p> <p>This project was completed with no safety accident or incidents (360 days) and received a CalOSHA's Golden Award.</p> <p><u>Job Duties:</u></p> <p>Duties included the management of the health and safety program for the jobsite and in the event of unsafe or life-threatening work practices by any personnel on the referenced project to stop work. Other duties included the removal of any individual from the project who consistently failed to perform their work in compliance with the project regulations, to inspect all equipment as it is delivered to the jobsites and verify compliance with site safe regulations, to update Activity Hazard Analysis as needed, to hold weekly safety meetings, to attend jobsite meetings as needed, and to give new employees orientations training.</p> <p><b>Cost: \$63 million      Role: Health &amp; Safety Manager</b></p>
<p>b.</p>	<p>(1) TITLE AND LOCATION</p> <p><b>Build OCPC/Broadcom Campus</b> Irvine, CA</p> <p>( ) YEAR COMPLETED</p> <p style="text-align: center;">2018</p> <p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Project Description:</u></p> <p>This design-build project was for design and construction of Broadcom Great Parks Campus 1 Civic Center Plaza Irvine, Ca. This project consists of two 5-story buildings of offices, 30 R &amp; D labs, training facilities, loading docks, kitchen and cafeteria and a fitness center for employees. Also included in the project are two 4-story buildings totaling 380,000 sf of core and shell space and 73 acres.</p> <p>The scope of work included:</p> <p>Site grading; site utilities; concrete work; landscaping; SWPPP and BMP implementation; structural steel; stucco; single ply membrane and standing seam roofing; AT/FP compliant energy efficient windows/doors; mechanical systems; electrical distribution systems; plumbing systems; fire suppression, alarm, and life safety systems; operable partition wall;</p>

	<p>drywall and insulation; acoustical and drywall ceilings; cabinetry; resilient flooring; ceramic tile; concrete polishing; above and below grade waterproofing; painting; restroom accessories; podium deck hot rubber waterproofing.</p> <p><u>Job Duties:</u></p> <p>Duties included the management of the health and safety program for the jobsite and in the event of unsafe or life-threatening work practices by any personnel on the referenced project to stop work. Other duties included the removal of any individual from the project who consistently failed to perform their work in compliance with the project regulations, to inspect all equipment as it is delivered to the jobsites and verify compliance with site safe regulations, to update Activity Hazard Analysis as needed, to hold weekly safety meetings, to attend jobsite meetings as needed, and to give new employees orientations &amp; training.</p> <p><b>Cost: \$778M    Role: Health &amp; Safety Manager</b></p>	
	<p>(1) TITLE AND LOCATION</p> <p><b>Toyota North American Headquarters</b> Plano, TX</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
c.	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE    <input type="checkbox"/> Check if project performed with current firm</p> <p><u>Project Description:</u></p> <p>This design-build project was for design and construction of Toyota North American Headquarters. The project was sits on 100 acres.; 7,000+ parking spaces; 7 BUILDINGS.</p> <p>The scope of work included:</p> <p>Site grading; site utilities; concrete work; landscaping; SWPPP and BMP implementation; structural steel; stucco; AT/FP compliant energy efficient windows/doors; mechanical systems; electrical distribution systems; plumbing systems; fire suppression, alarm, and life safety systems; operable partition wall; drywall and insulation; acoustical and drywall ceilings; cabinetry; resilient flooring; ceramic tile; concrete polishing; above and below grade waterproofing; painting; restroom accessories; podium deck hot rubber waterproofing, Largest onsite solar installation; state-of-the art rainwater capturing system; exterior landscaping drought resistant; 8.79-megawatts array of more than 20,00 solar panels; a rainwater harvesting system that holds up 400,00 gallons.</p> <p>Awards and Recognition:</p> <p>Toyota was awarded the LEED Platinum award for sustainable ENERGY.</p> <p><u>Job Duties:</u></p> <p>Duties included the management of the health and safety program for the jobsite and in the event of unsafe or life-threatening work practices by any personnel on the referenced project to stop work. Other duties included the removal of any individual from the project who consistently failed to perform their work in compliance with the project regulations, to inspect all equipment as it is delivered to the jobsites and verify it is in compliance with site safe regulations, to update Activity Hazard Analysis as needed, to hold weekly safety meetings, to attend jobsite meetings as needed, and to give new employees orientations &amp; training.</p> <p><b>Cost: \$23.4 Billion    Role: Health &amp; Safety Manager</b></p>	
d.		<p>( ) YEAR COMPLETED</p>

<p>(1) TITLE AND LOCATION</p> <p><b>Southern California Edison Nuclear Security</b> San Onofre, CA</p>	<p>2009-2013</p>
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input type="checkbox"/> Check if project performed with current firm</p> <ul style="list-style-type: none"> <li>• Certified 40-hour Hazwoper and first responder</li> <li>• Certified DOT Hazardous Material Transport and security</li> <li>• Maintained OSHA 300 and 300A Log.</li> <li>• Performed All Hazardous Material and Safety training for the EH&amp;S Team</li> <li>• Provided coordination of all hazardous &amp; radiological waste and material packaging and shipments.</li> <li>• Managed contract labor contract for all safety, hazardous &amp; radiological waste and material activities.</li> <li>• Knowledge of Safety regulations and permits to ensure program compliance.</li> <li>• Coordinates inspections with outside agencies.</li> <li>• Provided technical recommendations related to general technical knowledge, which relate to specific projects and tasks.</li> <li>• Created and maintains records, logs, documents, files, or databases for use in monitoring, tracking of Hazardous &amp; radiological Waste shipping manifest.</li> <li>• Knowledge in generating hazardous &amp; radiological waste manifests</li> <li>• Experience with the DOT Safety, California Environmental Reporting System (CERS) and Federal/State (BRSW4) annual/biennial report software.</li> <li>• Experience performing hazardous &amp; radiological waste staging areas.</li> <li>• Knowledge of General Industry and Construction Safety.</li> <li>• Knowledge Safety Regulations and bio hazardous &amp; radiological program and regulations</li> <li>• Knowledge of industry policies, procedures, codes, objectives, strategies, goals, demonstrated experience interfacing and collaborating with internal and external stakeholders (e.g., clients, corporate officers, bargaining unit personnel, management, vendors) to meet business needs.</li> <li>• Performed Construction Safety, Environmental/Hazmat Inspections and Testing.</li> <li>• Performing Safety walk downs of all tactical drill and/or training in accordance with Nuclear Regulatory Commission requirements.</li> <li>• Performed continuous Safety and Quality Assurance checks affecting surveillance of Protected Area barrier intrusion detection segments and periodic checks and surveillances of the Protected Area gates and Vital Area portals and gates on foot patrol.</li> <li>• Performed Safety training for all positive access control functions at Owner Controlled Access entry points to prevent introduction of prohibited items and to ensure the protection of special nuclear material and to guard against radiological sabotage.</li> <li>• Processing and issuing notifications for drug/alcohol testing as required.</li> <li>• Performed (ERO) Emergency Response Duties and nuclear Emergency Response Personnel duties at emergency response facilities and plant evacuation gates.</li> <li>• Maintaining a safety conscious work environment by following safety protocols and safe work practices.</li> <li>• Performed Safety and Hazmat First Responder Duties for Security safety Team #5</li> </ul> <p><b>Role: Nuclear Security &amp; Hazardous Material Safety Officer 1</b></p>	



RESUME									
NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE							
		a. TOTAL	b. WITH CURRENT FIRM						
<b>Jason Flowers</b>	<b>Corporate Quality Control Manager</b>	<b>14</b>	<b>4</b>						
<b>FIRM NAME AND LOCATION</b> Hal Hays Construction Inc., Riverside, CA									
<b>EDUCATION</b> <ul style="list-style-type: none"> <li>▪ 2007 Bachelor of Science, Physiology</li> <li>▪ University of California, Santa Barbara</li> <li>▪ Water Distribution Operator Level 1</li> <li>▪ Water Treatment Operator Level 1</li> <li>▪ 2015 NAVFAC Construction Quality Management for Contractors</li> <li>▪ OSHA 10 Certificate (in training)</li> </ul>									
<b>OTHER PROFESSIONAL QUALIFICATIONS</b> Mr. Flowers has extensive Edison, Department of Defense, PUC, public and private sector experience related to Design-Build, substations, building construction, underground utilities, and heavy civil construction. He maintains specific experience in this project's work areas such as: energized sites, trenching, earthwork, major utilities, facility construction, renovations and work on active and operational sites.  <b>Software Skills:</b> MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, and Sage MasterBuilder  <b>Job Skills:</b> Project Management, Quality Control, Scheduling, Project Coordination and Safety Tasks  For the following projects, Mr. Flowers has executed the role of <b>Quality Control Manager</b> , including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up, and maintaining Quality Control information on a daily basis, including the Contractor Quality Control (CQC) Plan elements, such as: quality control organization, definable features of work, submittal register, QC requirements, equipment list, Daily CQC Report, QC punch list items, QC testing, transferred and installed property, and user training requirements. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.									
<b>EMPLOYMENT HISTORY</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">2015 - Present</td> <td style="width: 55%;">Hal Hays Construction, Inc., Riverside, CA</td> <td style="width: 30%;">Project Manager</td> </tr> <tr> <td>2005 - 2015</td> <td>San Bernardino County Department of Environmental Health</td> <td>Superintendent/Environmental Health Inspector</td> </tr> </table>				2015 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Manager	2005 - 2015	San Bernardino County Department of Environmental Health	Superintendent/Environmental Health Inspector
2015 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Manager							
2005 - 2015	San Bernardino County Department of Environmental Health	Superintendent/Environmental Health Inspector							



### RELEVANT PROJECTS

RELEVANT PROJECTS		
a.	(1) TITLE AND LOCATION  <b>SGVW Plant W1 Replace Chlorination Building</b> Whittier, CA	( ) YEAR COMPLETED  2018
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> This project involved the removal of the existing steel chlorination building, existing <b>electrical conduits and light fixtures; design and construction of new steel replacement building;</b> installation of new <b>light fixtures, fresh air supply fan, a roll-up access door,</b> and a 90 minute <b>fire door;</b> reconnecting the existing <b>chlorine equipment, electrical system, and plumbing</b> and related work at the Plant W1 Chlorination Building, located in Whitter, CA.  <b>Cost: \$130K</b> <b>Role: Project Manager</b>	
b.	(1) TITLE AND LOCATION  <b>Fontana Water Co. Afterbay Improvements at Plant F11</b> Rialto, CA	( ) YEAR COMPLETED  2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> This project involved removing <b>30-inch piping,</b> removing interior <b>concrete walls,</b> removing wooden slats, removing and reinstalling of <b>steel guide plates,</b> saw cutting grooves, repairing and recoating submerged concrete surface, blasting and recoating steel surfaces, caulking around items to be protected, installing blind flanges, a trash rack, sluice gates, cutting pipe and installing a valve work at the afterbay, located in Rialto, CA.  <b>Cost: \$301K</b> <b>Role: Project Manager</b>	
c.	(1) TITLE AND LOCATION  <b>SGVW Construction of Site Improvements at Plant No. 11 Ph2</b> El Monte, CA	( ) YEAR COMPLETED  2017
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  <b>Project Description:</b> Construction of a <b>concrete sidewalk, a street light, a 6-inch mow curb;</b> installation of 1-inch <b>crushed rock, perimeter landscaping, irrigation system, concrete swales, grading, installation of Class II base, relocation of PVC pipe,</b> construction of <b>storage bays</b> for dirt stockpiles and construction of <b>split face block wall</b> at the Plant No. 11 located at 12638 Pineview Street in the City of El Monte, California  <b>Cost: \$628K</b> <b>Role: Project Manager</b>	
e.		( ) YEAR COMPLETED





	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Riverside County Chiriaco Summit Airport Runway</b> Indio, CA	2016
h.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Project Description:</b> Paving & grading of Runway 6-24, including surface preparation, pavement marking removal, crack repairs & new pavement marking application.	
	<b>Cost:</b> \$405K <b>Role:</b> Project Manager	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Eastern Municipal Water District Public Access Areas Renovation</b> Perris, CA	2012-2016
i.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Project Description:</b> <p>This project was comprised of construction in four specific public access areas of the District's Administration Center and Operations and Maintenance Center building complex and appurtenant site work. The building renovation work included, but was not limited to, new restrooms, <b>plumbing fixtures</b>, interior finishes, exterior finishes, casework, HVAC modifications, electrical conduit, wiring, lighting, concrete site work, aluminum storefront and glazing, bullet-proof glazing and walls, <b>wet utilities</b>, and associated appurtenances. Also, the project included construction phasing, which required the completion of one public access area and client hand off prior to the beginning of subsequent work areas. Additionally, each phase was completed under contractual work durations and client directed sequencing dictated by Milestone Completion Dates.</p> <p><b>Awards and Recognition:</b> This project was completed with no safety accidents or near misses.</p> <p><b>Cost:</b> \$1.9M      <b>Role:</b> Project Manager</p>	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build: Repair Potable Water Valves</b> Marine Corp Recruit Depot, San Diego, CA	2016
J	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Project Description:</b> <p>This project was to remove and replace deteriorated and non-functioning Potable Water Distribution Valves throughout the Marine Corps Recruit Depot (MCRD) in San Diego. Existing valves and pipes were demolished and replaced with like kind valves and pipes at various locations as indicated in the contract documents. A total of 270 valves were replaced, varying in size from 4" to 10". Additionally, five (5) feet of length pipe on each side of each valve were required to be replaced, totaling 2,700 LF. The project also includes the installation of all necessary coupling, valve boxes, thrust blocks, and replacing concrete, asphalt, and landscape to restore each site to the original condition. Approximately 40% of the valves were on asphalt pavement, 40% on concrete flat work, and 20% were on landscaped areas.</p> <p><b>Cost:</b> \$2.62M      <b>Role:</b> Project Engineer</p>	

	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build Potable Water Storage Tank 25191</b> Marine Corps Base, Camp Pendleton, CA	2016
k.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<p><b>Project Description:</b> This project wa to remove and replace deteriorated clear water reservoir a the Marine Corps Base at Camp Pendleton, San Diego, CA. Existing tank and water distribution lines were demolished and replaced. During this period of demolition and re-construction of the permanent facilities, a temporary water storage and distribution system was built in place and operated to serve the functions of the previous system.</p> <p><b>Cost:</b> \$1.05M    <b>Role:</b> Project Engineer</p>	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build Repair Re-Circulation Lines B-619</b> Marine Corps Recruit Depot, San Diego, CA	2015-2016
i.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<p><b>Project Description:</b> This Design-build project includes replacement of Domestic Hot Water branch laterals from Main to Recirculation Loop. The project will demolish all existing DHW copper plumbing lines, fittings and valves within the DHW supply system. The project will install new domestic hot water Type K copper plumbing lines, valves and fittings along with new isolation valves. The project will dispose of all demolished material in a legal manner consistent with state and local laws. Areas affected by repair/construction will be in compliance with applicable ATFP, Fire Suppression, Seismic, Accessibility, ASHRAE, and LEEDs codes and standards (as required) upon completion of the project. Paint, tag and label with flow direction the equipment and pipes. Insulate hot water pipes according to ASHRAE requirements.</p> <p><b>Cost:</b> \$1.19M    <b>Role:</b> Project Manager</p>	
	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<b>Design-Build Repair Vault Drain and Overflow at Reservoir 20813</b> Marine Corps Base, Camp Pendleton, CA	2016
m.	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm	
	<p><b>Project Description:</b> This Design-Build project consists of removing and replacing fill/feed pipe, installing new 20813 valve vaults, and installing new drain lines. The work shall include removing and abandoning fill/feed pipe and re-routing all new HDPE pipe with high point vents and isolation valves, removing and replacing valve vault with reinforced concrete slabs and self-draining appurtenances, providing overflow and drain lines with flexible duckbill check valve at end, disconnecting emergency feed pipe and reconnecting to new HDPE feed pipe, and flushing, disinfecting, and performing bacterial tests required for new piping and appurtenances.</p> <p><b>Cost:</b> \$1.6M    <b>Role:</b> Project Engineer</p>	

<p>(1) TITLE AND LOCATION</p> <p><b>Environmental Health Inspection</b> San Bernardino County, CA</p>	<p>( ) YEAR COMPLETED</p>
	<p>2005-2015</p>
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>o. <u>Job Duties:</u></b> The main job duties included protecting the environment, public health, and safety of residents through permit, inspection, consultation, planning, investigation and enforcement activities in a wide variety of program areas including water quality, recreational health, land use, site assessment and mitigation, solid waste, hazardous materials, food, and housing. The primary job duties were focused on site inspections confirming compliance with federal, state, and local environmental health codes, laws, and regulations. Facilities inspected included clear water wells, water distribution systems, hazardous waste generators and storage facilities, wastewater treatment plants, landfills, hospitals and medical clinics, public swimming facilities, rental properties, camps, on-site sewage disposal systems, and solid waste recycling centers.</p> <p>Additionally, new construction plans, and specifications were reviewed to ensure compliance to federal, state, and local environmental health codes, laws, and regulations.</p> <p><b>The scope of work included:</b> Quality assurance, facility inspection, code, law and regulation enforcement, and building/ plan review and approval.</p> <p>Role: <b>On site superintendent/ Environmental Health Inspector</b></p>	



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Matt Goddard</b>	Corporate Scheduler	23	8
FIRM NAME AND LOCATION ( <i>City and State</i> ) Hal Hays Construction, Inc., Riverside, CA			
EDUCATION ( <i>Degree, Specialization, Training &amp; Certification</i> ) <ul style="list-style-type: none"> <li>▪ 1996 Bachelor's Degree in Construction Engineering Management, Oregon State University, Corvallis, OR</li> <li>▪ 1996, Minor in Business, Oregon State University, Corvallis, OR</li> <li>▪ 1994, Associate's Degree in Mechanical Engineering, Lane Community College, Eugene, OR</li> <li>▪ Project Management Professional Certification</li> <li>▪ Primavera 5e Certified</li> <li>▪ Primavera 6 Certified</li> <li>▪ Workplace Harassment Training</li> <li>▪ Top Secret Security Clearance (inactive)</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS ( <i>Relevant</i> ) <p>Mr. Goddard has extensive Department of Defense, PUC, and government experience related to Design-Build, building construction, and heavy civil construction. With twenty years of scheduling experience, Mr. Goddard has developed, updated, and reported schedules for over 375 projects, including: site work; facility renovation and new construction of VA hospitals, Service Centers, offices, warehouses, hangars, dormitories and BEQ's; substations; and fire stations. He maintains specific experience in work areas, such as: Design-Build; Facilities; BMP implementation; demolition; heavy civil/earthwork; excavation and trenching; utility systems; asphalt paving; concrete paving; landscaping; striping and signage; traffic control measures; multi-site operations; and work on secured sites near critical assets.</p> <p><b>Software Skills:</b> MS Windows Professional; MS Office Suite; Primavera P3, P5e, and P6; and MS Project 97, 2000, and 2002</p> <p><b>Job Skills:</b> Master Scheduling; Project Management; and Reporting</p> <p>For the following projects, Mr. Goddard executed the role of Corporate Scheduler involving creating, revising, and submitting schedules within Primavera P6, including: baseline of original project schedule; coordination with on-site and off-site management staff for schedule updates; fragments of schedules for contract modification tracking; three-week look ahead; weekly schedule updates; and cost loading. Additional responsibilities include development of corporate scheduling policy and procedures, maintaining master schedule of all ongoing projects within the organization, and coordination with Estimating and Design Management Departments to develop proposal schedules.</p>			
PREVIOUS EMPLOYERS			
2011 - Present	Hal Hays Construction, Inc., Riverside, CA	Corporate Scheduler	
2007 - 2011	Tepa Construction, Colorado Springs, CO	Corporate Schedule Manager	
1999 - 2007	DPR, Redwood City, CA	Scheduler	
1997 - 1999	ADP/Marshall, Inc., Greenville, NC	Asst. Project Mgr./Scheduler	
1996 - 1997	Marshall Company, East Providence, RI	Field Engineer/Scheduler	
1996 - 1996	HCMS, Portland, OR	Scheduler	

### List of Current/Ongoing Projects

Project Name & Type of Work	Owner Name	Estimated Contract Completion Value (incl. change orders to date)	Percent Currently Complete	Estimated Completion Date
DB Operations Access Red Beach, General/Civil Construction	US Navy	\$15,999,405.04	26%	10-9-2018
DB Improve Intersections Civil Construction	US Navy	\$865,170.44	83%	03-09-2018 * on hold
DB San Jacinto Road Extension Civil Construction	US Navy	\$4,360,763	85%	02-24-2018 *on hold
Army Reserve Center Fresno General Construction	US Army	\$26,271,299.55	85%	10-9-2018
Beale Temporary Lodging Fac General Construction	US Army	\$16,610,995.28	60%	8-8-2018
Susanville CCC/HDSP Prison General Construction	Dept. of Correction & Rehab	\$27,300,350.00	75%	8-31-2018
Fresno WWTP Odor Control Wet Utility Construction	City of Fresno	\$8,430,354.25	90%	6-14-2018
Eureka Juvenile Hall General Construction	County of Humboldt	\$15,461,296.00	42%	8-29-2018
San Joaquin Fish Hatchery General/Wet Util. Const.	DGS CA	\$16,853,874.33	55%	11-18-2018
DVI Solid Cell Conversion General Construction	Dept. of Correctio & Rehab	\$8,323,138.00	45%	12-23-2018
Riverside Regional Water Plant Levee, Civil/Wet Util Const.	City of Riverside	\$3,194,063.00	60%	09-31-2018
Renovate Palm Springs Police Dept. General Construction	City of Palm Springs	\$4,228,679.09	65%	8-2-2018
DB Holabird Plant Backwash Wet Util. Construction	Golden State Water Co.	\$777,624.00	0%	08-27-2018 *in Design
Bakersfield Base Facility General Construction	SoCalGas	\$19,875,867.00	22%	3-7-2019
Northern Dist. Meter replacements, Wet Util. Constr	California America Water	\$441,911.00	44%	8-5-2018
Stockton Booster STA Sitewor Wet Util/Civil Construction	California Water Service Co.	\$1,751,784.15	0%	1-6-2019
Santa Rosa Fire Recovery Hydrants Replacement	California Water Service Co.	\$137,000.00	90%	8-31-2018
Demo Steel Water Tank Wet Util, Construction	California Water Service Co.	\$112,779.00	0%	10-1-2018
Intake 2 Spillway Modification Wet Util, Construction	SCE	\$354,410.00	0%	11-21-2018



**LIST OF COMPLETED PROJECTS EXPERIENCE**

<b>Project Name &amp; Type of Work</b>	<b>Owner Name</b>	<b>Contract Completion Value</b>	<b>Final Completion Date</b>
RCTC Rail Station Improvements/ Civil Construction	Riverside County Transportation	\$1,123,148.00	02/22/2018
SCE San Dieguito Wetlands/ Civil Construction	SCE	\$1,293,949.00	07/28/2017
El Campo Rd Water Main/ Wet Util. Civil Construction	Golden State Water Co.	\$850,288.60	12/30/2017
Elsinore Wash Rack and Site Improvements/ Civil Construction	Caltrans	\$1,802,701.00	11/17/2017
Ontario Police Headquarters Renovation/General Construction	City of Ontario	\$2,386,111.20	10/19/2017
Plant 11 Phase 2 Improvements/ Wet Util, Civil Construction	San Gabriel Valley Water Co.	\$619,600.60	01/10/2017
DB Repair Water Tank/Wet Utility Construction	US Navy	\$1,055,000.00	07/27/2015
DB Improve Intersections/ Civil Construction	US Navy	\$851,528.88	12/09/2016
DB Overhead Utilities Relocate/General Construction	US Army-Louisville	\$4,342,235.14	12/31/2016
DB Repair Area 52 Roads/Civil Construction	US Navy	\$1,564,025.83	12/20/2016
DB Replace Fire Main/ General Construction	US Navy	\$1,271,060.00	06/30/2015
DB Repair Recirculation Lines/General Construction	US Navy	\$1,190,495.00	12/03/2016
DB Repave Various Lots/Civil Construction	US Navy	\$1,838,948.00	12/15/2016
Repairs to Asphalt Parking/Civil Construction	US Navy	\$815,518.00	12/26/2015

RELEVANT PROJECTS		
a.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Railroad Operations Access Points, Red Beach</b> MCB Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>Present</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project is to design and reconstruct of railroad bridge and roadways at MCB Camp Pendleton, CA for NAVFAC SW.</p> <p>The scope of work included: SWPPP and BMP implementation; <b>demolition</b>; heavy civil and grading; clear and grub; earthwork; roadway paving; drainage infrastructure; railroad improvements; bridge structure; soldier pile wall.</p> <p><b>Cost:</b> \$15.9M     <b>Role:</b> Scheduler</p>	
b.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build P-111 Armory</b> MCB Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project is for the design and construction of the ground up armory building located at MCB Camp Pendleton, CA for NAVFAC SW.</p> <p>The scope of work included: SWPPP and BMP implementation; <b>demolition</b>; heavy civil and grading; clear and grub; underground storm drain system; structural concrete; masonry; casework; solid surface countertops; insulation; doors/ Frames &amp; hardware; vault doors; windows; metal stud framing/ gypsum board; wire mesh partitions; roofing; tile; acoustical ceiling; flooring; paint &amp; wall covering; high performance coatings; signage; toilet accessories; metal lockers; entrance mats; fire extinguishers; fire suppression; plumbing; HVAC; electrical; communications; electronic safety &amp; security; earthwork; bituminous paving; aggregate base course; pavement markings; high security fencing; planting; water distribution; natural gas &amp; liquid petroleum piping; sanitary sewers; lift stations; force mains, sewer &amp; storm drains.</p> <p><b>Cost:</b> \$4.5M     <b>Role:</b> Scheduler</p>	
c.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Repair Cristianitos Road</b> MCB Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2015</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project is to design and reconstruct roadways and provide erosion control/storm drain improvements along Cristianitos Road in at MCB Camp Pendleton, CA for NAVFAC SW.</p> <p>The scope of work included: SWPPP and BMP implementation; <b>demolition</b>; heavy civil and grading; clear and grub; underground storm drain system (headwalls, rip-rap, culverts, and piping); sub-base preparation; aggregate base; asphalt pavement; retaining walls; guard rails; signage and striping; and traffic control measures.</p> <p><b>Cost:</b> \$788K     <b>Role:</b> Scheduler</p>	
d.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Asphalt Repair Runway 14/32</b> Naval Air Weapons Station, Chino Lake, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p>

	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design Build project was for the design and construction of asphalt repairs of runway 14/32 at the Naval Air Weapons Station, Chino Lake, CA for NAVFAC SW. The scope of work includes: <b>demolition</b>; excavation; grading; A/C paving; pavement repairs; preparing sub-grade; clearing and grubbing; concrete work; striping and signage; traffic control; SWPPP and BMP implementation; and <b>underground utilities</b>.</p> <p><b>Cost:</b> \$7.3M      <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Repair Wastewater System at TAPS 1, 2 &amp; 3</b> Marine Corp Base, Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p>
e.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project is for the repairs to the wastewater system at TAPS 1, 2, and 3 at the Marine Corp Base, Camp Pendleton, CA for NAVFAC SW. The scope of work includes: <b>demolition</b>; BMP implementation; trenching and excavation; sewer systems; electrical systems; SCADA monitoring system; <b>distribution piping and system components</b> (tanks, pumps, air-gap system, high pressure spray and hoses, hose bibs, shut-off valves, and floor drains); environmental restrictions; and completion of work while maintaining operational utility systems.</p> <p><b>Cost:</b> \$381K      <b>Role:</b> Scheduler</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Renovate 3 Buildings and Parking Lot</b> Air Force, Plant 42, Palmdale, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2014</p>
f.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project is to renovate Buildings 552, 553, and 560 as well as construct a new parking lot at Air Force Plant 42, Palmdale, CA for USACE. The renovation of Building 552, a single story masonry structure, approximately 7,101 SF, included the removal of existing interior finishes; abatement of hazardous materials; structural upgrades to existing masonry walls for code compliance; reconfiguration of interior spaces for ABA compliance; and creation of open-plan office arrangements.</p> <p>The renovation of Building 553 included: a single story masonry structure, approximately 5,345 SF; removal of existing interior finishes; abatement of hazardous materials; structural upgrades to existing masonry walls for code compliance; reconfiguration of interior spaces for administrative and training offices; a guard assembly and resources room; <b>restrooms</b>; locker/change rooms; a BDOC; and a masonry addition to house mechanical, electrical, and telecommunications equipment; and provide space for storage of security items.</p> <p>The renovation of Building 560 included: a two story pre-engineered metal building, approximately 5,782 SF; removal of interior partition walls; reconfiguration of the first floor <b>restrooms</b> to comply with ABA requirements; installation of new convenience centers; replacement of floor <b>finishes</b>; suspended panel ceilings; and repairs to the existing vehicle parking area adjacent to Building 560 to provide ABA required accessible routing. The new parking lot will be located south of Building 560 and east of the AF Plant 42 Control Tower. The parking lot shall provide approximately 115 parking stalls, including ABA compliant and motorcycle stalls to serve Building 553's existing fire station and the control tower.</p> <p><b>Cost:</b> \$5.5M      <b>Role:</b> Scheduler</p>	
g.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p>	<p>(2) YEAR COMPLETED</p>



	<p><b>DB Replace Fire Sprinklers at Buildings BB1A, BB1B, BB1C, 2, 3, 4, 14, 170, 403, 405, and 632, Phase 3</b> Marine Corps Logistics Base, Nebo and Yermo Annex, Barstow, CA</p>	<p>2013</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the design and replacement of existing failed dry-pipe fire sprinkler systems at Buildings BB1A, BB1B, BB1C, 2, 3, 4, 14, 170, 403, 405, and 632 at the Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: BMP implementation; excavation and trenching; <b>demolition and removal of existing dry-pipe</b> fire sprinkler systems; <b>new required piping</b>; sprinkler heads; alarm valve; tamper and flow switches; double-check assembly backflow preventers (existing backflow preventers to remain); underground <b>water system upgrades (distribution piping, backflow preventers,</b> and fire department connections); and connections to existing fire alarm systems.</p> <p><b>Cost: \$8.3M      Role: Scheduler</b></p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design-Build Repair Aqueous Film Forming Foam (AFFF) Storage Systems</b> Camp Pendleton, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2013</p>
h.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design Build</b> project was for the design of repairs to the Aqueous Film Forming Foam (AFFF) Underground Storage Tank Systems at the Marine Corps Base, Camp Pendleton, CA for NAVFAC SW. The scope of work includes: repair leaks; cap all cross connections; dewater and conduct sump testing to identify leaks; install tank and space liquid detection system; remove and replace manhole units; install cleanouts for maintenance purposes; electrical; <b>underground utilities</b>; provide electrical support tank and interstitial space liquid-tight caps on all 4-inch risers of each tank; confirm that any surface drainage into the well completion units will drain into the tank, hold pea gravel backfill and not build up and overflow into the tanks; and adherence to environmental restrictions.</p> <p><b>Cost: \$1M      Role: Scheduler</b></p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Naval Exchange (NEX) Renovations</b> Naval Base Point Mugu, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
i.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for exterior renovation of the NEX complex building 16 at the Naval Base Ventura County, Point Mugu, CA for NAVFAC SW. The Naval Exchange complex at Point Mugu contains retail, restaurant, sports training, and Morale, Welfare and Recreation gymnasium space for military and DOD employees. The scope of work included: hazardous material abatement; <b>demolition</b>; replacement of the retail space façade; new storefront; doors; louvers; stucco exterior finish; replacement of the existing covered walkway; remove and repair or replace exterior and landscape lighting; storm water drainage and downspouts; storm water management; landscaping; irrigation system; and signage. This project received an Outstanding performance evaluation rating.</p> <p><b>Cost: \$1.6M      Role: Scheduler</b></p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Building Envelope Improvements - Multiple Facilities</b> Travis AFB, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p>	

	<p>This <b>Design-Build</b> project was for the design and construction of building envelope improvements and upgrade to the energy efficiency of Multiple Facilities at Travis Air Force Base in Fairfield, CA for NAVFAC SW. The scope of work included: upgrading the attic or ceiling insulation; weatherizing around doors, windows, and other openings requiring a seal; installation of Dual Reflective Solar Control Glazing Films; provide engineered synthetic catalyst technology additive to refrigerant in HVAC units; thermal imaging analysis of building to identify areas that require repair; insulation, caulking, weather striping, and leak repair of areas identified by thermal imaging analysis; caulk and seal air leaks where <b>plumbing</b>, ducting, or electrical wiring penetrated through walls, floors, and ceilings; replace existing door bottoms and thresholds with pliable sealing and gaskets where appropriate; repair/install insulation in attic spaces and above dropped ceilings as appropriate; weather-strip door jams; install window film; install Refrigerant Synthetic Refrigerant Catalyst in all air conditioners.</p> <p><b>Cost:</b> \$791K                      <b>Role:</b> Scheduler</p>	
k.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Replace Pavement, Building No. 11031</b> Naval Air Weapons Station, China Lake, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the design, construction, and replacement of pavement at building 11031 at Naval Air Weapons Station, China Lake, CA for NAVFAC SW. The scope of work included: replace deteriorated asphalt parking lot; approach driveways; and road surface around Building 11031, located in the CLPL Main site area. The scope of work also included: pulverizing existing paved areas; grade and compact to provide appropriate base material; lay new asphalt pavement; finish grade shall be sloped for proper drainage; stripe all roads and parking lots accordingly; and provide ADA compliant pedestrian pathways between building 11031, 11093, 11094, and 11030.</p> <p><b>Cost:</b> \$387K                      <b>Role:</b> Scheduler</p>	
l.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>DB Renovations of the 31st SRG Building Improvements - Bldg 1157, 1158 and 1161</b> Naval Base Ventura County, Port Hueneme, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2011</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the design, construction, and renovation of one existing building and the maintenance of two others occupied by the 31st Seabee Readiness Group (SRG) located at Port Hueneme Naval Base, Ventura County, CA for NAVFAC SW. Scope of work included: rust/hole repair or replacement of the exterior closure; painting the exterior closure; replacement of exterior windows; installation of CAC card secured door entry systems; <b>bathroom renovation and upgrades</b>; HVAC; <b>mechanical</b> and electrical upgrades; <b>associated demolition</b>; site work; and <b>utilities work</b>.</p> <p><b>Cost:</b> \$1.4M                      <b>Role:</b> Scheduler</p>	
m.	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>MI COF</b> Fort Carson, CO</p>	<p>(2) YEAR COMPLETED</p> <p>2011</p>
	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE      <input type="checkbox"/> Check if project performed with current firm</p> <p>This <b>Design-Build</b> project was for the design and construction of a new ground up facility for warehousing and office space at Fort Carson, CO for the U.S. Army Corps of Engineers. The scope of work included: excavation and grading; underground utilities; concrete foundations; site work with hardstand parking lot; landscaping; structural</p>	



masonry; framing; electrical; **plumbing; mechanical**; insulation; drywall; painting; flooring and carpeting; doors and hardware; windows; interior finishes; and restroom facilities.

**Cost:** \$15M

**Role:** Corporate Schedule Manager



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Karun Mani</b>	<b>Program Manager</b>	9	3
FIRM NAME AND LOCATION ( <i>City and State</i> ) Hal Hays Construction Inc., Riverside, CA			
EDUCATION ( <i>Degree, Specialization, Training &amp; Certification</i> )			
<ul style="list-style-type: none"> <li>▪ 2011 Bachelors of Science in Civil Engineering, Mahatma Gandhi University, India</li> <li>▪ 2013 Master of Science in Civil Engineering, University of Southern California, Los Angeles</li> <li>▪ 2014 Engineer-In-Training, California</li> <li>▪ OSHA 30-Hour Certificate</li> <li>▪ OSHA 10-Hour Certificate</li> <li>▪ 2016 CPR and First Aid Training</li> <li>▪ 2014 Construction-Manager-In-Training, California</li> <li>▪ 2015 LEED Green Associate</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS ( <i>Relevant</i> )			
<p>Mr. Mani has extensive Edison, Department of Defense, PUC, public and private sector experience related to Design-Build, building construction and heavy civil &amp; site development. He maintains specific experience in this project's work areas such as: Design-Build; heavy civil construction, new building construction, demolition, earthwork, storm drain, paving, concrete structures, structural concrete, underground utilities, facility renovations, controls and valves; electrical; tanks; commissioning; fencing; and work on active and operational sites.</p> <p><b>Software Skills:</b> MS Windows Professional, MS Office Suite, MS Outlook, Primavera P3, Primavera SureTrak Project Management, Primavera CPM Scheduling, and Sage MasterBuilder</p> <p><b>Job Skills:</b> Project Management, Scheduling and Safety Tasks, Safety Regulations, Supervision, Crew Production.</p> <p>For the following projects, Mr. Mani executed the role of <b>Project Manager</b>, including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; implementing subcontracts and purchase orders; and oversight of subcontractor's, supplier's and manufacturer's scheduling. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
PREVIOUS EMPLOYERS			
2018 - Present	Hal Hays Construction, Inc., Riverside, CA	Program Manager	
2015 - 2018	Hal Hays Construction, Inc., Riverside, CA	Project Manager	
2010 - 2015	Surat Civil Construction., India	Project Engineer/Jr. Project Manager	



## RELEVANT PROJECTS

RELEVANT PROJECTS	
<p>(1) TITLE AND LOCATION</p> <p><b>SoCalGas Bakersfield Base New Facility</b> Bakersfield, CA</p>	<p>( ) YEAR COMPLETED</p> <p style="text-align: center;">2018-2019</p>
<p>A.</p>	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>Construction of <b>the new 31,370 square-foot regional base facility in Bakersfield.</b> The new facility serves thousands of homes and business that use natural gas in Kern County. The facility also includes a compressed natural gas (CNG) station for company and public use.</p> <p>Develop the <b>10.33-acre site</b> will become the SoCal Gas Regional Epicenter. The work consists of:</p> <ul style="list-style-type: none"> <li>◆ Site grading, paving, site utilities, drainage systems and modifications to fill soils</li> <li>◆ Parking for employees and company vehicles.</li> <li>◆ Perimeter fencing, CMU walls</li> <li>◆ Office and Training Building of approximately 31,370 sf.</li> <li>◆ Storage Building for Logistic of approximately 9,000 sf.</li> <li>◆ Repair Garage and fueling stations of approximately 3,800 sf.</li> <li>◆ Site storage facilities</li> </ul> <p><b>Project Value: \$20.0M      Role: Project Manager</b></p>
<p>b.</p>	<p>(1) TITLE AND LOCATION</p> <p><b>US Army Reserve Center Leymel Hall</b> Fresno, CA</p>
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>This project includes a Training Building, Maintenance Building, and a Storage Building, along with additional other facilities and site improvements and site features. The new buildings are of permanent construction with reinforced concrete foundations, concrete floor slabs, structural steel frames, insulated precast concrete walls, 2-ply modified bituminous roofing, Heating, Ventilation, and Air Conditioning (HVAC), fire protection/alarm, plumbing, mechanical systems, security systems, and electrical systems.</p> <p>This congressionally- approved and mission-critical project encompasses the following work areas:</p> <ul style="list-style-type: none"> <li>▪ Project sited on 10.5 acres, consisting of: <ul style="list-style-type: none"> <li>○ <b>Demolition</b> of exterior fencing and install new fencing. Demolition of wash rack and other existing structures. Remove and replace existing asphalt and concrete surfaces. Install new underground utilities and storm water system.</li> <li>○ <b>Site Work:</b> Outdoor Physical Fitness Areas, Bio Retention Basins, Flagpole, Entry Signs, Landscaping, Trash Enclosures, Bike Racks, Perimeter Chain Link Fence, Parking Lot, Rolling Gates, Sidewalks</li> <li>○ <b>48,177 SF Army Reserve Center Training building</b>, to support 400-members, including 11 Army Reserve units. Facility areas to include administrative, educational, assembly, kitchen, library, learning center, locker rooms, vault, arms/supply area, weapons simulator room and lightning protection system.</li> <li>○ <b>15,893 SF Organizational Maintenance Shop (AMSA/OMS)</b>, with OMS maintenance/work bays and AMSA administrative areas, locker rooms, workshop/work benches/lube stations, to support</li> </ul> </li> </ul>	



	<p>200 military vehicles.</p> <ul style="list-style-type: none"> <li>○ <b>2,735 SF Pre-Engineered Storage Building</b></li> </ul> <ul style="list-style-type: none"> <li>▪ <b>4 existing buildings</b> at the site, encompassing <b>37,735 SF</b>, were demolished</li> </ul> <p><b>Project Value: \$ 26.5M</b>      <b>Role: Project Manager</b></p>	
C.	<p>(1) TITLE AND LOCATION</p> <p><b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017-2018</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>Rehabilitate both southbound and northbound Roadside Rest Areas, on Interstate Route 15, about 30 miles east of Barstow, CA. Scope of work included:</p> <ul style="list-style-type: none"> <li>▪ <b>Southbound:</b> <ul style="list-style-type: none"> <li>▪ Demo existing rest area, all site concrete, asphalt and trees. Provide salvage of key items.</li> <li>▪ Construct 2 new CMU buildings</li> <li>▪ Construct Interpretative Center, 3 picnic shelters and 2 fire water tanks &amp; enclosures</li> <li>▪ New site utilities include RCP storm water drain, sewer, building water, and electrical</li> <li>▪ Site improvements include new concrete sidewalks, new asphalt car parking and truck parking, perimeter CMU wall, and entry monument sign</li> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> </ul> </li> <li>▪ <b>Northbound:</b> <ul style="list-style-type: none"> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ Install 2 new fire water tanks and 7 enclosures</li> <li>▪ Install new canopy and perform minor electrical for existing waste water tanks</li> <li>▪ Remove/replace existing urinals with new waterless fixtures</li> </ul> </li> </ul> <p><b>Project Value: \$7.5M</b>      <b>Role: Project Manager</b></p>	
D.	<p>(1) TITLE AND LOCATION</p> <p><b>NAVFAC Design Build P111 Armory, Marine Corps Base</b> Camp Pendleton, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      [x] Check if project performed with current firm</p> <p>Design Build project for the US Naval Facilities Engineering Command. Work scope areas included: <b>demolition; site preparation; paving; masonry; site improvements; electrical and mechanical utilities; seismic features; Anti-Terrorism Force Protection and LEED sustainability requirements.</b> Additional work includes <b>POV parking</b> and <b>Snap-In Training Pit.</b> Specific work areas included:</p> <ul style="list-style-type: none"> <li>▪ <b>Site Prep:</b> SWPPP and BMP implementation; Demolition; Heavy Civil Earthwork &amp; Grading; Clear &amp; Grub; Underground Storm Drain System; Structural Concrete</li> <li>▪ <b>Site Work &amp; Site Utilities:</b> Bituminous Paving; Aggregate Base Course; Pavement Markings; High Security Fencing; Planting; Water Distribution; Natural Gas &amp; Liquid Petroleum Piping; Sanitary Sewers; Lift Stations; Force Mains, Sewer &amp; Storm Drains.</li> <li>▪ <b>Facility Work &amp; Build Out:</b> Masonry; Casework; Solid Surface Countertops; Insulation; Doors/Frames &amp; Hardware; Vault Doors; Windows; Metal Stud Framing/Gypsum Board; Wire Mesh Partitions; Roofing; Tile; Acoustical Ceiling; Flooring; Paint &amp; Wall Covering</li> <li>▪ <b>Interiors &amp; Building Systems:</b> High Performance Coatings; Signage; Toilet Accessories; Metal Lockers;</li> </ul>	



	<p>Entrance Mats; Fire Extinguishers; Fire Suppression; Plumbing; HVAC; Electrical; Communications; Electronic Safety &amp; Security</p> <p>The Armory serves the Marine Aircraft Group (MAG-39) at Camp Pendleton, the United States Marine Corps' key West Coast base.</p> <p><b>Project Value: \$4.4M</b>      <b>Role: Project Manager</b></p>	
E.	(1) TITLE AND LOCATION	( ) YEAR COMPLETED
	<p><b>Ontario Police Department- Headquarters Renovations</b> Ontario, CA</p>	2017
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project included the construction of approximately 11,000 SF of tenant improvements, including a Dispatch Center (with ancillary rooms such as a Break Room, Locker Room and offices), Watch Commander's Office, Briefing Room, Storage Rooms and private offices. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Construction will include, but is not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings and low-voltage cabling.</p> <p><b>Project Value: \$2.2M</b>      <b>Role: Project Manager</b></p>	
F.	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED
	<p><b>Southern California Edison SSID Renovations</b> Westminster, CA</p>	2016
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the relocation of the customer service MSO personnel and training space from its current location to A. the second floor of the administration building. It also included the relocation of the materials testing laboratory from its current location to the second floor of the motor tool building. The scope of work included: demolition; structural steel; thermal and moisture protection; doors &amp; glazing; partitions, floors, wall and ceiling finishes; specialties; fire sprinkler systems; fire alarm systems; HVAC; electrical; communications; site work; carpentry &amp; mill work; electrical panel relocation; demolition of panel-built system; wall framing; steel vault demo; HVAC assessment; security system for MTL doors; re-route fire sprinkler line; cabinetry and countertops.</p> <p><b>Project Value: \$1.5M</b>      <b>Role: Project Manager</b></p>	
G.	(1) TITLE AND LOCATION	(2) YEAR COMPLETED
	<p><b>Design-Build Repair Potable Water Storage Tank 25191</b> Marine Corps Base, Camp Pendleton, CA</p>	2016
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design-Build project consists of removing and <b>replacing fill/feed pipe, installing new 20813 valve vault,</b> and installing new drain lines. The work includes removing and abandoning fill/feed pipe and <b>re-routing all new HDPE pipe with high point vents and isolation valves, removing and replacing valve vault with reinforced concrete slabs and self-draining appurtenances, providing overflow and drain lines with flexible duckbill check valve at end, disconnecting emergency feed pipe and reconnecting to new HDPE feed pipe, and flushing, disinfecting, and performing bacterial tests</b> required for new piping and appurtenances. The scope of work included: <b>site demolition; cast in place concrete; fiber reinforced plastic ladders; earthwork; trenching;</b></p>	



	seeding; water distribution; water storage tanks.  <b>Project Value: \$1.0M    Role: Project Engineer</b>	
H.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Southern California Edison Road Widening</b> Mira Loma Substation, Mira Loma, CA	(2) YEAR COMPLETED  2016
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project consisted of Off-Site Improvements for Mira Loma Substation consisting of <b>Street Widening Improvements</b> along Milliken/Hamner Avenue. Improvements consisted of but not limited to the following: <b>Improvement street demolitions, new curb/gutter, driveway approaches, sidewalk renovations, patching, utilities, asphalt paving, landscape/irrigation, fences, signage, street lights and traffic signaling.</b>  <b>Project Value: \$1.4M                      Role: Project Manager</b>	
I.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Southern California Edison Santa Barbara Service Center Upgrades, Santa Barbara, CA</b>	(2) YEAR COMPLETED  2016
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project was for the <b>lighting and ceiling upgrades to (4) Quads</b> located at one of Southern California Edison's Service Centers in Santa Barbara. The scope of work included: <b>demolition; installation of light fixtures, occupancy sensors &amp; exit signs; ceiling tiles; communication speakers; skim coat/paint walls; wall coverings; VCT, and traffic control measures.</b>  <b>Project Value: \$266K                      Role: Project Manager</b>	
J.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Southern California Edison Menifee SC Highway 74 and Road Improvements, Menifee, CA</b>	(2) YEAR COMPLETED  2016
	(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm  This project was for the Menifee On-Site/Off Site Improvements on Highway 74 and McKinley Road, within the City of Menifee, County of Riverside. The proposed project area is approximately <b>2,465 ft.</b> of half width street improvements with transitions on <b>Highway 74</b> and <b>582 ft.</b> of full width improvements on <b>McKinley Road</b> , including <b>clearing and grubbing, asphalt and concrete paving, existing street overlay, curb and gutter, sidewalk, lighting, erosion control, dust control, noise control, and coordination of work as required by permits.</b>  <b>**Received 3.7 out 4.0 SCE Scorecard, Highest Scorecard Received for SCE!</b>  <b>Cost: \$2.5M                                      Role: Project Manager</b>	
	(1) TITLE AND LOCATION <i>(City and State)</i> <b>DB Substation Facility, Utilities Infrastructure Upgrade &amp; Replacement Junagadh, Gujarat, India</b>	(2) YEAR COMPLETED  2011-2013



K.	<p>(3) DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p>This project consisted of construction of a <b>new 15 kVA Main Sub-station; new 180,000 LF loop power distribution system with 7 sub-stations; duct-bank for fiber optic sonnet ring, tele-data system; 15, 000 LF natural gas metering and distribution system; 28,000 LF storm drain system with 15,000-gal dual pump lifting stations; 26,000 LF sanitary sewer system; 14,000 LF domestic and fire water system, with a 20,000-gal surge reservoir.</b> The scope of work included: <b>excavation and trenching; install electrical H.V.; low voltage system; sewer, domestic water systems; tele-data system; demolition; concrete paving; asphalt paving; street lights; fencing; area security lighting; relocate existing tire equipment and associated equipment; flooring; interior framing; drywall; electrical; plumbing; ceiling; surface preparation; painting and coating; and finishes.</b></p> <p><b>COST: \$23M</b>                      <b>ROLE: Project Engineer</b></p>	
L.	<p>(1) TITLE AND LOCATION</p> <p><b>Child Care Center</b> Keshod, Gujarat, India</p> <p>The project was for the construction of a Child Care Center in Keshod, India. The project consisted of building renovations of a <b>4,000 SF Child Care Facility</b> and construction of a new <b>3,000 SF addition.</b> The scope of work included: <b>foundation; concrete slab; structural steel; masonry walls; windows; doors; roofing; interior framing; electrical and lighting; fire suppression systems; fire alarm, and security systems; HVAC; plumbing, drywall; ceilings; interior finishes; and flooring.</b> The project also included: temporary relocation of a portion of the <b>Daycare Center</b> into <b>temporary construction trailers.</b></p> <p><b>Cost: \$1.6M</b>                      <b>Role: Jr. Project Manager</b></p>	<p>(2) YEAR COMPLETED</p> <p>2010-2011</p>
M.	<p>(1) TITLE AND LOCATION</p> <p><b>Design-Build Service Apartments (Hotel)</b> Surat, Gujarat, India</p> <p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Description:</b> This Design-Build Project was for the ground up construction of a 5-star hotel which included 304 rooms, 11 floors located in Gujarat, India.</p> <p><b>The scope of work included:</b> demolition; site grading; site utilities; concrete work hand operations; pile driving; footings; steel reinforcement; concrete placement; striping and signage; material storage; finishes; delivery &amp; storage erection; underground utilities-water, gas, sewage and wastewater system &amp; communication cables; masonry; flooring; plastering; plumbing; fire sprinkler systems; fire alarm systems; electrical instrumentation-alarm and intercom, underground; HVAC; paving; landscaping; steel water storage tanks; electrical system for elevators; toilet partitions.; landscaping; SWPPP and BMP implementation; structural steel; stucco; single ply membrane and standing seam roofing; AT/FP compliant energy efficient windows/doors; life safety systems; drywall and insulation; acoustical and drywall ceilings; cabinetry; resilient flooring; ceramic tile; painting; restroom accessories; food service equipment; projectors/screens.</p> <p><b>Cost: \$45M</b>                      <b>Role: Jr. Project Manager</b></p>	<p>(2) YEAR COMPLETED</p> <p>2013-2015</p>



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Aaron Imera</b>	Superintendent	15	9
FIRM NAME AND LOCATION ( <i>City and State</i> ) Hal Hays Construction, Inc., Riverside, CA			
EDUCATION ( <i>Degree, Specialization, Training &amp; Certification</i> )			
<ul style="list-style-type: none"> <li>▪ Subcontractor &amp; Site Safety Management Training</li> <li>▪ 2014 EM 385-1-1 40-Hour</li> <li>▪ OSHA 30 Hour Certificate</li> <li>▪ 2012 CPR &amp; First Aid Training</li> <li>▪ Competent Person Training</li> <li>▪ Excavation &amp; Trenching Training</li> <li>▪ Fall Protection Training</li> <li>▪ All-Terrain Powered Industrial Truck Training</li> <li>▪ Heavy Equipment Operator Card</li> <li>▪ Grinder/Pulverizer Operator Card</li> </ul>			
OTHER PROFESSIONAL QUALIFICATION			
<p>Mr. Imera has extensive Department of Defense, government, PUC, private and public sector, experience related to Design-Build facility improvements and heavy civil construction. He has project experience specific to work areas such as: demolition; storm water, utilities, bridge systems; surface preparation; painting and coating; systems testing; waste management practices; and work on active military sites.</p> <p><b>Software Skills:</b> MS Windows, Outlook, and SureTrak</p> <p><b>Job Skills:</b> Superintendent/SSHO/Quality Control, Earthwork, and Safety Tasks</p> <p>For the following projects, Mr. Imera executed the role of Assistant Superintendent, including: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up; maintaining day to day project scheduling; executing the construction schedule (CPM); supervising work force and subcontractors; implementing safety programs and procedures; preparation of AHAs; site inspections; advising management of any deficiencies; safety training; accident investigation and reporting; and safety inspection to ensure compliance. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
EMPLOYMENT HISTORY			
2010 - Present	Hal Hays Construction, Inc., Riverside, CA	Superintendent	
2004 - 2010	Palm Canyon Contractors, Inc., Yucaipa, CA	Foreman/Heavy Equipment Operator	



RELEVANT PROJECTS			
a.	<table border="1"> <tr> <td>(1) title and location SoCalGas Bakersfield Base New Facility Bakersfield, CA</td> <td>(2) YEAR COMPLETED Ongoing</td> </tr> </table>	(1) title and location SoCalGas Bakersfield Base New Facility Bakersfield, CA	(2) YEAR COMPLETED Ongoing
	(1) title and location SoCalGas Bakersfield Base New Facility Bakersfield, CA	(2) YEAR COMPLETED Ongoing	
<p>(3) brief description and specific role <input type="checkbox"/> Check if project performed with current firm</p> <p>Construction of the new 31,370 square-foot regional base facility in Bakersfield. The new facility serves thousands of homes and business that use natural gas in Kern County. The facility also includes a compressed natural gas (CNG) station for company and public use.</p> <p>Develop the 10.33-acre site will become the SoCal Gas Regional Epicenter. The work consists of:</p> <ul style="list-style-type: none"> <li>▪ Site grading, paving, site utilities, drainage systems and modifications to fill soils</li> <li>▪ Parking for employees and company vehicles.</li> <li>▪ Perimeter fencing, CMU walls</li> <li>▪ Office and Training Building of approximately 31,370 sf.</li> <li>▪ Storage Building for Logistic of approximately 9,000 sf.</li> <li>▪ Repair Garage and fueling stations of approximately 3,800 sf.</li> <li>▪ Site storage facilities</li> </ul> <p>Project Value: \$20.0M          Role: Assistant Superintendent</p>			
b.	<table border="1"> <tr> <td>(1) TITLE AND LOCATION (<i>City and State</i>) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA</td> <td>(2) YEAR COMPLETED 2017</td> </tr> </table>	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA	(2) YEAR COMPLETED 2017
	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA	(2) YEAR COMPLETED 2017	
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Description:</b> The project involving the placement of erosion control devices, implementation and maintenance of the storm water pollution prevention plan; removing and salvaging the existing chain link and wrought iron fencing; demolition of the existing wood fencing; construction of split face concrete block walls; construction of a 7-foot high wrought iron fence; painting the existing walls; installation of aggregate base, rip rap, 6-inch PVC schedule 40 drain pipe and a catch basin. The project included earthwork with the necessary clearing, grubbing, and preparation of the site; removal and disposal of all debris; excavation; handling, storage, transportation, and disposal of all excavated material; all necessary sheeting, shoring, and protection work; preparation of subgrades; pumping and dewatering as necessary; protection of adjacent property; backfilling; construction of fills and embankments; surfacing and grading; and other appurtenant work.</p> <p><b>Project Value:</b> \$860K          <b>Role:</b> Superintendent</p>			
c.	<table border="1"> <tr> <td>(1) TITLE AND LOCATION (<i>City and State</i>) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA</td> <td>(2) YEAR COMPLETED 2017</td> </tr> </table>	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA	(2) YEAR COMPLETED 2017
	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>SGVW Construction of Fence/Wall/Grading Plant No. 11</b> El Monte, CA	(2) YEAR COMPLETED 2017	
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Description:</b> The project involving the placement of erosion control devices, implementation and maintenance of the storm water pollution prevention plan; removing and salvaging the existing chain link and wrought iron fencing; demolition of the existing wood fencing; construction of split face concrete block walls; construction of a 7-foot high wrought iron fence; painting the existing walls; installation of aggregate base, rip rap, 6-inch PVC schedule 40 drain pipe and a catch basin. The project included earthwork with the necessary clearing,</p>			





f.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Eagle Canyon Debris Basin/Dam</b> Cathedral, CA	(2) YEAR COMPLETED 2015
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project constructed a new dam and debris basin, including mass earthwork (65,000 CY remediation export, 300,000 CY excavation), erosion control, blasting operations, and 2,300CY drainage structures. Oversight of in-house crews including: demolition, equipment operators, site utilities (storm drain), concrete, and excavation/grading. This project provided flood detention and hazard mitigation of rain, mud, and debris for Cathedral City.  <b>Project Value: \$10.3M                      Role: Superintendent</b>	
g.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Edison Pedestrian Bridge</b> Rosemead, CA	(2) YEAR COMPLETED 2015
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the construction of an elevated pedestrian bridge, over a major roadway to connect two buildings at the 2nd floor. Work areas include: path-of-travel modifications, secured access entry, concrete work, bridge installation, site work, street improvements, and facility renovations. Oversight of in-house crews in: Demolition, Excavation/Grading, Traffic Control Measures, Landscaping, Concrete Work, and Painting.  <b>Project Value: \$3.7M                      Role: Superintendent</b>	
h.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Desert Hill Truck Inspection Facility</b> Banning, CA	(2) YEAR COMPLETED 2014
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the construction of the Desert Hills Truck Inspection Facility in Banning, CA for Caltrans. This scope of work included: SWPPP & BMP implementation; site work; earthwork; abandonment of unused pipelines; underground sewer <b>system upgrade</b> ; concrete work; <b>mechanical systems</b> ; <b>electrical systems</b> ; <b>plumbing systems</b> ; structural steel placement for facility; carpentry; thermal and moisture protection; doors and windows; <b>surface preparation</b> ; <b>painting and coating</b> ; <b>finishes</b> ; signage; and traffic control.  <b>Project Value: \$2.2M                      Role: Superintendent/SSHO/QC</b>	
i.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Taxiway Mike Bypass Road</b> Travis Air Force Base, Fairfield, CA	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, Project Value, etc.</i> ) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project was for the construction of a bypass road around Taxiway Mike at Travis Air Force Base in Fairfield, CA for NAVFAC Southwest. The project consists of constructing and relocating perimeter road from W Street to south of the existing south gate facility with an A/C pavement, travel lanes and unpaved shoulders. The scope of work included: <b>demolition</b> to include the <b>removal</b> , grinding and pulverizing portions of the existing A/C pavement;	



	<p>excavation and compaction of sub-grade; poured-in-place concrete; install joint sealer in all control joints; pavement striping and signage; traffic control measures; SWPPP and BMP implementation; <b>demolition</b> of existing fencing; construction of new fencing; <b>construction of a water line near</b> the horse stables to near the existing south gate facility; and reconstruction of pavement adjacent to the existing south gate facility.</p> <p><b>Project Value:</b> \$5.7      <b>Role:</b> Superintendent/SSHO</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Replace Fire Sprinklers at Buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404</b>          Defense Distribution Depot and Marine Corps Logistics Base          Barstow, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2012 - 2013</p>
j.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design Build project was for the design and replacement of existing failed dry-pipe fire sprinkler systems in buildings 6, 7, 8, 9, 10, 11, 12, 13, and 404 at the Defense Distribution Depot and Marine Corps Logistics Base, Barstow, CA for NAVFAC SW. The scope of work included: excavation and trenching; <b>demolition and removal</b> of existing dry-pipe fire sprinkler systems; new required piping; sprinkler heads; alarm valve; tamper and flow switches; double-check assembly backflow preventers (existing backflow preventers to remain); <b>all piping connections to existing water supply</b> (existing underground laterals; backflow preventers; fire department connections; and backflow preventer test connections to remain where reused); <b>surface preparation; painting and coating;</b> and <b>connections</b> to existing fire alarm systems.</p> <p><b>Project Value:</b> \$9.1M      <b>Role:</b> Superintendent/SSHO</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Design Build Repair Utility Meters</b>          Beale Air Force Base, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2013</p>
k.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This Design Build project was for the design and installation of <b>utility meters</b> at the Beale Air Force Base, CA for the U.S. Army Corps of Engineers. The scope of work included: <b>repairing</b> existing gas meters, <b>electrical meters</b>, and <b>water meters</b>, including <b>surface preparation, painting and coating;</b> and <b>installing new</b> gas meters, <b>electrical meters</b>, and <b>water meters</b> for various buildings at Beale AFB. All meters were to be compatible with and connected to the Base's Direct Digital Control (DDC) Siemens Apogee System, INSIGHT Version 3.11 to allow remote monitoring.</p> <p><b>Project Value:</b> \$350K      <b>Role:</b> Alternate Superintendent/SSHO</p>	
	<p>(1) TITLE AND LOCATION (<i>City and State</i>)</p> <p><b>Replace Water System Phase II</b>          Vandenberg AFB, CA</p>	<p>(2) YEAR COMPLETED</p> <p>2010 - 2011</p>
l.	<p>(3) BRIEF DESCRIPTION (<i>Brief scope, size, Project Value, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project was for the replacement of a water system, Phase II, Vandenberg AFB, CA for the U.S. Army Corps of Engineers. The project mandated the provision of all labor, material and equipment necessary to abandon and cap-off approximately 1,200 LF of existing 6"; 15,200 LF of 8"; 1,800 LF of 12"; 4,900 LF of 21" piping system; appurtenances in the main cantonment area at Vandenberg Air Force Base; and replace the old system with new HDPE water pipe system. The scope of work included: <b>demolition;</b> clearing and grubbing; excavation; backfill; compaction; saw-cutting existing asphalt roadways; <b>disposal of debris;</b> trench-line excavation; concrete work; replacement of concrete curbs, gutters, and sidewalks; asphalt paving to effect <b>installation of the new piping systems; pressure testing new system; flushing and sterilizing system; bacteriological testing;</b> and re-seeding and landscaping disturbed areas.</p> <p><b>Project Value:</b> \$1.6M      <b>Role:</b> Superintendent/SSHO</p>	



NAME	ROLE IN THIS CONTRACT	YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
<b>Nigee Mani</b>	<b>Lead Project Engineer</b>	<b>8</b>	<b>2 yr</b>
FIRM NAME AND LOCATION			
Hal Hays Construction, Inc., Riverside, CA			
EDUCATION			
<ul style="list-style-type: none"> <li>▪ Master of Technology Water Resources Engineering &amp; Management, National Institute of Technology, Karnataka, India</li> <li>▪ Bachelor of Technology Civil Engineering, Mar Athanasius College of Engineering, Kerala, India</li> <li>▪ Design &amp; Hydraulic Systems</li> <li>▪ Atkins Excellence Awards 2016</li> <li>▪ Atkins in MERIT 2016</li> <li>▪ CPR &amp; First Aid Training</li> <li>▪ Irrigation Technology &amp; Water Management</li> <li>▪ Applied Hydromechanics</li> </ul>			
OTHER PROFESSIONAL QUALIFICATIONS			
<p>Mrs. Mani has extensive experience in Public Utility Companies, Department of Defense, Government, Public and Private work sector with <b>Design Build, new construction of buildings, facility renovation, and heavy/civil construction</b>. She maintains specific experience in this project's work areas such as: <b>facility construction and renovation; facility maintenance, upgrades and repairs; electrical, HVAC, fire alarm and fire sprinkler systems, doors &amp; locks, lighting upgrade, demolition, site work, utilities, PEBs</b>, and project site safety. Mrs. Mani provides oversight of the project's technical complements, including plans and specifications.</p> <p><b>Software Skills:</b> Micro Drainage Win DES, Civil 3D, AutoCAD 2016, MX Road, Navisworks Mange, Map info Professional, MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, SAGE Masterbuilder</p> <p><b>Job Skills:</b> Project Engineering, Quality Control, Scheduling and Safety Tasks, Safety Regulations, Scheduling and Coordinating Subcontractors and Project Management</p> <p>For the following projects, Mrs. Mani executed the role of <b>Project Engineer</b>. Responsibilities included: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; implementing subcontracts and purchase orders; oversight of subcontractor's, supplier's and manufacturer's scheduling; project buyout, including estimating, subcontract coordination, and change order document control; development and tracking of internal Work-in-Progress benchmarks; close out documentation; and preparation of As-Built drawings from field redlines in AutoCAD. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>			
EMPLOYMENT HISTORY			
2017 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Engineer	
2015 – 2017	WS Atkins, India	Project Engineer	
2014 – 2014	CWRDM, India	Project Engineer	
2011 – 2011	Larsen & Toubro, India	Project Engineer	

**RELEVANT PROJECTS**

		(1) TITLE AND LOCATION	(2) YEAR COMPLETED
A.		<b>SoCalGas Bakersfield Base New Facility</b> Bakersfield, CA	2018 - Present
		(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction of the <b>new 31,370 square-foot regional base facility in Bakersfield.</b> The new facility serves thousands of homes and business that use natural gas in Kern County. The facility also includes a compressed natural gas (CNG) station for company and public use.	
		A. Develop the 10.33-acre site will become the SoCal Gas Regional Epicenter. The work consists of: <ul style="list-style-type: none"> <li>◆ Site grading, paving, drainage systems and modifications to fill soils</li> <li>◆ Office and Training Building of approximately 31,370 sf.</li> <li>◆ Storage Building for Logistic of approximately 9,000 sf.</li> <li>◆ Repair Garage and fueling stations of approximately 3,800 sf.</li> <li>◆ Site storage facilities</li> <li>◆ Parking for employees and company vehicles.</li> <li>◆ Perimeter fencing</li> </ul>	
		<b>Cost: \$20.0M      Role: Project Engineer</b>	
B.		<b>City of Palm Springs Police Department Remodel</b> Palm Springs, CA	2018
		(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Complete remodel of the existing Palm Springs Police Department Training Center, Library, Lobby & Records department, Detective Bureau, and Men's and Women's Locker Rooms. The scope of work included demolition, mold remediation, furniture disposition, fire line, sprinkler and alarm system, domestic water line, miscellaneous concrete work, carpet, floor and wall tile, doors, window coverings, drywall and framing, plumbing fixtures and counter tops, cabinets, lighting fixtures, tempered glass, paint, signage, audio/video equipment.	
		<b>Cost: \$4.3M      Role: Project Engineer</b>	
C.		<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018
		(3) BRIEF DESCRIPTION AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Rehabilitate both southbound and northbound Roadside Rest Areas, on Interstate Route 15, about 30 miles east of Barstow, CA. Scope of work included: <ul style="list-style-type: none"> <li>▪ <b>Southbound:</b> <ul style="list-style-type: none"> <li>▪ Demo existing rest area, all site concrete, asphalt and trees. Provide salvage of key items.</li> <li>▪ Construct 2 new CMU buildings</li> <li>▪ Construct Interpretative Center, 3 picnic shelters and 2 fire water tanks &amp; enclosures</li> <li>▪ New site utilities include RCP storm water drain, sewer, building water, and electrical</li> </ul> </li> </ul>	



	<ul style="list-style-type: none"> <li>▪ Site improvements include new concrete sidewalks, new asphalt car parking and truck parking, perimeter CMU wall, and entry monument sign</li> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ <b>Northbound:</b> <ul style="list-style-type: none"> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ Install 2 new fire water tanks and 7 enclosures</li> <li>▪ Install new canopy and perform minor electrical for existing waste water tanks</li> <li>▪ Remove/replace existing urinals with new waterless fixtures</li> </ul> </li> </ul> <p><b>Cost: \$7.5M                      Role: Project Engineer</b></p>	
D.	<p>(1) TITLE AND LOCATION</p> <p><b>NAVFAC Design Build P111 Armory, Marine Corps Base</b> Camp Pendleton, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Design Build project for the US Naval Facilities Engineering Command. Work scope areas included: demolition; site preparation; paving; masonry; site improvements; electrical and mechanical utilities; seismic features; Anti-Terrorism Force Protection and LEED sustainability requirements. Additional work includes POV parking and Snap-In Training Pit. Specific work areas included:</p> <ul style="list-style-type: none"> <li>▪ Site Prep: SWPPP and BMP implementation; Demolition; Heavy Civil Earthwork &amp; Grading; Clear &amp; Grub; Underground Storm Drain System; Structural Concrete</li> <li>▪ Site Work &amp; Site Utilities: Bituminous Paving; Aggregate Base Course; Pavement Markings; High Security Fencing; Planting; Water Distribution; Natural Gas &amp; Liquid Petroleum Piping; Sanitary Sewers; Lift Stations; Force Mains, Sewer &amp; Storm Drains.</li> <li>▪ Facility Work &amp; Build Out: Masonry; Casework; Solid Surface Countertops; Insulation; Doors/Frames &amp; Hardware; Vault Doors; Windows; Metal Stud Framing/Gypsum Board; Wire Mesh Partitions; Roofing; Tile; Acoustical Ceiling; Flooring; Paint &amp; Wall Covering</li> <li>▪ Interiors &amp; Building Systems: High Performance Coatings; Signage; Toilet Accessories; Metal Lockers; Entrance Mats; Fire Extinguishers; Fire Suppression; Plumbing; HVAC; Electrical; Communications; Electronic Safety &amp; Security</li> </ul> <p>The Armory serves the Marine Aircraft Group (MAG-39) at Camp Pendleton, the United States Marine Corps' key West Coast base.</p> <p><b>Cost: \$4.4M                      Role: Project Engineer</b></p>	
E.	<p>(1) TITLE AND LOCATION</p> <p><b>Ontario Police Department- Headquarters Renovations</b> Ontario, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project included the construction of approximately <b>11,000 SF of tenant improvements</b>, including a Dispatch Center (with ancillary rooms such as a Break Room, Locker Room and offices), Watch Commander's Office, Briefing Room, Storage Rooms and private offices. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Construction will include, but is not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings and low-voltage cabling.</p> <p><b>Cost: \$2.2M                      Role: Project Engineer</b></p>	



NAME		
<b>Jwalit Kansara</b>	<b>Lead Technical Specialist</b>	
ROLE IN THIS CONTRACT		YEARS EXPERIENCE
		a. TOTAL <b>8</b>
		b. WITH CURRENT FIRM <b>3</b>
FIRM NAME AND LOCATION		
Hal Hays Construction, Inc., Riverside, CA		
EDUCATION		
<ul style="list-style-type: none"> <li>▪ Master in Science, Construction Management, University of Florida</li> <li>▪ Bachelor's on Technology, Civil Engineering, Pandit Deendayal Petroleum University, India</li> <li>▪ C2 Workzone Traffic Control Certified</li> <li>▪ First Aid Training</li> <li>▪ CMAA Certified</li> <li>▪ OSHA 30 Hour Certified</li> <li>▪ USGBC Certified</li> </ul>		
OTHER PROFESSIONAL QUALIFICATIONS		
<p>Mr. Kansara has extensive experience in Public Utility Companies, Department of Defense, Government, Public and Private work sector with <b>Design Build, new construction of buildings, facility renovation, and heavy/civil construction</b>. She maintains specific experience in this project's work areas such as: <b>facility construction and renovation; facility maintenance, upgrades and repairs; electrical, HVAC, fire alarm and fire sprinkler systems, doors &amp; locks, lighting upgrade, demolition, site work, utilities, PEBS</b>, and project site safety. Mrs. Mani provides oversight of the project's technical complements, including plans and specifications.</p> <p><b>Software Skills:</b> Micro Drainage Win DES, Civil 3D, AutoCAD 2016, MX Road, Navisworks Mange, Map info Professional, MS Windows Professional, MS Office Suite, MS Outlook, Primavera CPM Scheduling, SAGE Masterbuilder</p> <p><b>Job Skills:</b> Project Engineering, Quality Control, Scheduling and Safety Tasks, Safety Regulations, Scheduling and Coordinating Subcontractors and Project Management</p> <p>For the following projects, Mr. Kansara executed the role of <b>Project Engineer</b>. Responsibilities included: coordinating meetings and negotiations; recommendation of design and project changes to provide the client the best value for their project; provision of technical oversight for construction start up and testing; implementing subcontracts and purchase orders; oversight of subcontractor's, supplier's and manufacturer's scheduling; project buyout, including estimating, subcontract coordination, and change order document control; development and tracking of internal Work-in-Progress benchmarks; close out documentation; and preparation of As-Built drawings from field redlines in AutoCAD. Additional responsibilities include conducting and supervising on-site management staff, assisting in technical submittal reviews, and on-site inspections.</p>		
EMPLOYMENT HISTORY		
2017 - Present	Hal Hays Construction, Inc., Riverside, CA	Project Engineer
2015 – 2017	WS Atkins, India	Project Engineer
2014 – 2014	CWRDM, India	Project Engineer
2011 – 2011	Larsen & Toubro, India	Project Engineer



**RELEVANT PROJECTS**

RELEVANT PROJECTS					
A.	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">(1) TITLE AND LOCATION</td> <td style="width: 40%;">() YEAR COMPLETED</td> </tr> <tr> <td><b>DB Operations Access Points Red Beach</b> Marine Corps Base, Camp Pendleton, CA</td> <td style="text-align: center;">Present</td> </tr> </table>	(1) TITLE AND LOCATION	() YEAR COMPLETED	<b>DB Operations Access Points Red Beach</b> Marine Corps Base, Camp Pendleton, CA	Present
	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>DB Operations Access Points Red Beach</b> Marine Corps Base, Camp Pendleton, CA	Present				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Hal Hays Construction, Inc. (HHCI) served as the <b>prime contractor</b> to the US Naval Facilities Engineering Command to provide design and build services for the Operations Access Points Red Beach project at MCB Camp Pendleton, CA. This project <b>(1) upgraded and improved</b> the access route between the "Red Beach" amphibious landing training beach and inland training area to improve <b>'Ship to Shore' military training access</b>; and <b>(2) constructed a new North County Transit District (NCTD) railroad bridge and new double-track railroad section</b>, to replace the existing dual arched concrete bridge.</p> <p>The project mitigated the <b>(1) horizontal roadway constraints, (2) Interstate I-5 Freeway north and south bound bridge vertical constraints, and (3) the North County Transit District (NCTD) double arch concrete railroad bridge constraints</b> to allow bi-directional.</p> <p><b>Cost: \$15.0M                      Role: Project Engineer</b></p>					
B.	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">(1) TITLE AND LOCATION</td> <td style="width: 40%;">() YEAR COMPLETED</td> </tr> <tr> <td><b>Design Build San Jacinto Road Expansion</b> Palm Springs, CA</td> <td style="text-align: center;">2019</td> </tr> </table>	(1) TITLE AND LOCATION	() YEAR COMPLETED	<b>Design Build San Jacinto Road Expansion</b> Palm Springs, CA	2019
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<b>Design Build San Jacinto Road Expansion</b> Palm Springs, CA	2019				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Hal Hays Construction, Inc. (HHCI) served as a <b>prime contractor</b> to the US Naval Facilities Engineering Command, to design and build the \$4.3M San Jacinto Road Expansion at Marine Corps Base Camp Pendleton, CA. This <b>MILCON project</b> provided road and traffic circulation improvements to the entire installation and improved traffic flow and pedestrian safety.</p> <p>The project's work scope includes <b>(1) design development, (2) demolition, (3) utility relocations, (4) re-grading, (5) new storm drains, (6) electrical work, (7) paving to reverse crown slope on San Jacinto Road to Wire Mountain Road intersection, (8) traffic signals, (9) street lighting and associated underground electrical work, (10) electrical equipment installation, (11) slurry seal, (12) new road surface transition, (13) striping, and (14) signage.</b></p> <p><b>Cost: \$4.3M                      Role: Project Engineer</b></p>					
C.	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">(1) TITLE AND LOCATION</td> <td style="width: 40%;">() YEAR COMPLETED</td> </tr> <tr> <td><b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA</td> <td style="text-align: center;">2017-2018</td> </tr> </table>	(1) TITLE AND LOCATION	() YEAR COMPLETED	<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018
	(1) TITLE AND LOCATION	() YEAR COMPLETED			
<b>Caltrans C.V. Kane Safety Roadside Rest Area Rehabilitation</b> Barstow, CA	2017-2018				
<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>Rehabilitate both southbound and northbound Roadside Rest Areas, on Interstate Route 15, about 30 miles east of Barstow, CA.</p> <p>Scope of work included:</p> <ul style="list-style-type: none"> <li>▪ <b>Southbound:</b> <ul style="list-style-type: none"> <li>▪ Demo existing rest area, all site concrete, asphalt and trees. Provide salvage of key items.</li> <li>▪ Construct 2 new CMU buildings</li> <li>▪ Construct Interpretative Center, 3 picnic shelters and 2 fire water tanks &amp; enclosures</li> <li>▪ New site utilities include RCP storm water drain, sewer, building water, and electrical</li> </ul> </li> </ul>					

	<ul style="list-style-type: none"> <li>▪ Site improvements include new concrete sidewalks, new asphalt car parking and truck parking, perimeter CMU wall, and entry monument sign</li> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ <b>Northbound:</b> <ul style="list-style-type: none"> <li>▪ Cold plane and install rubberized hot mixed asphalt (R-HMA) to site entrance and exit ramps</li> <li>▪ Install 2 new fire water tanks and 7 enclosures</li> <li>▪ Install new canopy and perform minor electrical for existing waste water tanks</li> <li>▪ Remove/replace existing urinals with new waterless fixtures</li> </ul> </li> </ul> <p><b>Cost: \$7.5M                      Role: Project Engineer</b></p>	
D.	<p>(1) TITLE AND LOCATION</p> <p><b>NAVFAC Design Build P111 Armory, Marine Corps Base</b> Camp Pendleton, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
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E.	<p>(1) TITLE AND LOCATION</p> <p><b>Ontario Police Department- Headquarters Renovations</b> Ontario, CA</p>	<p>( ) YEAR COMPLETED</p> <p>2017</p>
	<p>(3) BRIEF DESCRIPTION AND SPECIFIC ROLE                      <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>This project included the construction of approximately <b>11,000 SF of tenant improvements</b>, including a Dispatch Center (with ancillary rooms such as a Break Room, Locker Room and offices), Watch Commander's Office, Briefing Room, Storage Rooms and private offices. The improvements will include infrastructure for an extensive Owner-provided Audio-Visual system, 24-hour HVAC system in equipment room, and decorative ceiling systems with specialty lighting. Construction will include, but is not limited to: demolition, drywall and framing, electrical, plumbing, mechanical (HVAC), doors/frames/hardware, glazing, paint, floor finishes, acoustical ceilings and low-voltage cabling.</p> <p><b>Cost: \$2.2M                      Role: Project Engineer</b></p>	



## DIVERSE BUSINESS ENTERPRISES REQUIREMENT STATEMENT

Owner utilizes the established guidelines from the California Public Utilities Commission (“CPUC”) to qualify diverse suppliers and requires certification as a Diverse Business Enterprise (“DBE”) by the Supplier Clearinghouse and/or the California Department of General Services. To be eligible for award of a contract from this solicitation, the bidder/proposer must execute and submit, as part of his or her bid/proposal, this statement. DBEs are divided into four classifications, as follows: Minority Business Enterprises (“MBE”), Women-Owned Business Enterprises (“WBE”), Disabled Veteran Business Enterprises (“DVBE”), and Lesbian, Gay, Bi-Sexual and Transgender Business Enterprises (“LGBTBE”). This statement shall be deemed a material factor in the Owner’s evaluation of the bid/proposal. Failure to complete and submit this statement, or the inclusion of a false statement, shall render the bid/proposal non-responsive.

The CPUC has set a goal for Owner to achieve at least 21.5% of total contract spend on DBEs, divided into the four classifications as follows: MBE – 15%, WBE – 5%, DVBE – 1.5%, and LGBTBE – goal to be established in 2020.

Owner has established certain minimum requirements, as set forth below, for the percentage of the total Contract Price that must be paid to DBEs (the “DBE Minimum”). The DBE Minimum for a contract will depend upon the total Contract Price for that contract, as set forth below. For example, for a contract with a Contract Price of \$1,200,000, the DBE Minimum is 25% and, therefore, at least \$300,000 must be paid to DBEs either as the primary contractor or as one or more subcontractors. Further, for a contract with a Contract Price of \$4,000,000, the DBE Minimum is 30% and, therefore, at least \$1,200,000 must be paid to DBEs either as the primary contractor or as one or more subcontractors.

<b><u>Total Contract Price</u></b>	<b><u>DBE Minimum</u></b>
\$100,000 - \$500,000	<b>15%</b>
\$500,001 - \$1,000,000	<b>20%</b>
\$1,000,001 - \$3,000,000	<b>25%</b>
\$3,000,001 and higher	<b>30%</b>

Notwithstanding the DBE Minimum set forth above, a bidder/proposer may propose, and is strongly encouraged to propose, a higher percentage of the Contract Price to be paid to DBEs. As part of its submission, the must respond to the questions below and identify the percentage of the Contract Price that will be paid to DBEs (such percentage must be NO LOWER THAN the DBE Minimum set forth above). The percentage of the Contract Price that will be paid to DBEs (to the bidder/proposer as primary contractor or to subcontractors), as indicated on this form, will be a contractual requirement (the “DBE Requirement”) that must be met by the bidder/proposer in performing the Contract Services. Failure to meet the DBE Requirement will be considered a breach of the contract and may result in termination of the contract by the Owner.



Complete the items below:

1. Is bidder/proposer certified as a Diverse Business Enterprise with the CPUC Supplier Clearinghouse and/or the California Department of General Services?

Respond YES or NO: Yes

If YES, provide a copy of your certification with your bid/proposal and identify which classification your firm is certified under (i.e., MBE, WBE, DVBE, or LGBTBE):

2. What is the DBE Requirement (the percentage of the Contract Price that will be paid to DBEs) that bidder/proposer will agree to in the contract for the Contract Services?

XX % of Contract Price (such percentage must be equal to or greater than the DBE Minimum as set forth above)

Bidder/Proposer Name: HAL HAYS CONSTRUCTION, INC.

Printed Name of Authorized Person: Kirby S. Hays

Signature of Authorized Person: 

Title of Authorized Person: CEO



Complete the items below:

- 1. Is bidder/proposer certified as a Diverse Business Enterprise with the CPUC Supplier Clearinghouse and/or the California Department of General Services?

Respond YES or NO: YES

If YES, provide a copy of your certification with your bid/proposal and identify which classification your firm is certified under (i.e., MBE, WBE, DVBE, or LGBTBE):

- 2. What is the DBE Requirement (the percentage of the Contract Price that will be paid to DBEs) that bidder/proposer will agree to in the contract for the Contract Services?

0 % of Contract Price (such percentage must be equal to or greater than the DBE Minimum as set forth above)

Bidder/Proposer Name: HAL HAYS CONSTRUCTION, INC.

Printed Name of Authorized Person: Kirby S. Hays

Signature of Authorized Person: [Handwritten Signature]

Title of Authorized Person: CEO

# 19131 - CAW Castroville

## Pipeline

Division	TradeCode	Company Name	First Name	Last Name	Email Address	City	State
26 - Electrical	260000 - Electrical	Accurate Corrosion Control Inc.	Jack	Ripley	jackr@accuratecorrosion.com	Glendale	AZ
26 - Electrical	260000 - Electrical	Pacific Technical Resources, Inc	Miguel	Sanchez	msanchez@pactechresources.com		
26 - Electrical	260000 - Electrical	Telstar Instrumentation	Tak	Koo	tkoo@telstarinc.com		
26 - Electrical	260000 - Electrical	Trident Construction Services	Neil	Fulce	Neil@Trident-cs.com		
26 - Electrical	260000 - Electrical	San joaquin Electric	wade	Johnson	wade@sanjoaquinelectric.com	Stockton	CA
26 - Electrical	260000 - Electrical	Sac Valley Electric Inc.	Keven	Lively	k.lively@sacvalleyelectric.com	Sacramento	CA
31 - Earthwork	316329.13 - Drilling	Ayala Boring, Inc.	Dean	Ayala	estimating@ayalaboring.com	Fontana	CA
31 - Earthwork	316329.13 - Drilling	Driectional Drilling Services	Sean	S	directionaldrilling@gmail.com		
31 - Earthwork	316329.13 - Drilling	Long's Directional Boring	Bob	Long	longsdirectionalboring@yahoo.com	Norco	CA
31 - Earthwork	316329.13 - Drilling	Northern Directional drilling	Tommy	Demus	tommy@northerndirectional.com		
31 - Earthwork	316329.13 - Drilling	T&D Services, Inc.	Tom	Van Dyke	info@trenchless.biz	Murrieta	CA
31 - Earthwork	316329.13 - Drilling	Ventura Directional Drilling	John	Fields	John@venturadrilling.com	Ventura	AL
31 - Earthwork	316329.13 - Drilling	California Boring	Tyler	Hangen	tyler@calboring.com	Anaheim	CA
32 - Exterior Improvements	323100 - Chain Link Fence	Interstate Fence Company, Inc.	Jason	Shemasek	j.shemasek@interstatefenceco.com	San Jose	CA
32 - Exterior Improvements	323100 - Chain Link Fence	JR Fencing	John	J	john@jrfencing.com		
32 - Exterior Improvements	323100 - Chain Link Fence	Midstate Barrier, Inc.	Dan	Nicholas	dnicholas@midstatebarrier.com		
32 - Exterior Improvements	323100 - Chain Link Fence	Ranch Fence Inc.	Jarrold	Twiss	jarrod@ranchfenceonline.com	Mariposa	CA
33 - Sewer Line	330005.000 - Pipeline Supplier	Ferguson Waterworks	MATTHEW	KRISTE	matt.kriste@ferguson.com	SANTA ANA	CA
33 - Sewer Line	330005.000 - Pipeline Supplier	H.D. Supply Waterworks	Chase	Stallings	chase.stallings@coreandmain.com		
33 - Sewer Line	330005.000 - Pipeline Supplier	Northern Directional drilling	Tommy	Demus	tommy@northerndirectional.com		
33 - Sewer Line	330005.000 - Pipeline Supplier	Precision Directional Boring, Inc.	Eric	Hanson	ehanson@precisionbore.com	Templeton	CA
33 - Sewer Line	330005.000 - Pipeline Supplier	T&D Services, Inc.	Tom	Van Dyke	info@trenchless.biz	Murrieta	CA
33 - Sewer Line	330005.000 - Pipeline Supplier	The HDD Company	Larry	Bertolucci	lbertolucci@crossinggroup.com	Cameron Park, CA	CA
33 - Sewer Line	330005.000 - Pipeline Supplier	Ventura Directional Drilling	John	Fields	John@venturadrilling.com	Ventura	AL
33 - Sewer Line	330005.000 - Pipeline Supplier	Western Water Works	Alex	Dennis	alex.dennis@wwwsco.com	CHINO HILL	CA
33 - Sewer Line	330005.000 - Pipeline Supplier	The R & B Company	Rory	Gamblin	rgamblin@rbcompany.com		
33 - Sewer Line	330005.000 - Pipeline Supplier	California Boring	Tyler	Hangen	tyler@calboring.com	Anaheim	CA
Unassigned	Unassigned	Aegion	Jill	Clark	Jillclark@aegion.com		
Unassigned	Unassigned	Corrpro	Juan	Mendoza	jmendoza@aegion.com	Santa Fe Springs	CA
Unassigned	Unassigned	Corrpro Companies	Christina	Carrillo	ccarrillo@aegion.com	Santa Fe Springs	CA
Unassigned	Unassigned	Interstate Fence Company, Inc.	Willie	Gamboa	wgamboa@interstatefenceco.com	San Jose	CA
Unassigned	Unassigned	Ninyo & Moore (San Jose)	Tim	Sneddon	tsneddon@ninyoandmoore.com		
Unassigned	Unassigned	Precision Directional Boring	Aaron	Corso	acorso@precisionbore.com	San Ramon	CA
Unassigned	Unassigned	Signet	Raj	Prakash	rprakash@signettesting.com		
Unassigned	Unassigned	Signet Testing Laboratories, Inc.	Raj	Prakash	info@signettesting.com	Hayward	CA
Unassigned	Unassigned	Soil Survey Group	Belinda	Taluban	info@soilsurveys.net		
Unassigned	Unassigned	Stevens Ferrone and Bailey	Ken	Ferrone	kenf@sandb.com		
Unassigned	Unassigned	Telstar Instruments	Michael	Boertje	mb@telstarinc.com	Concord	CA
Unassigned	Unassigned	The HDD Company, Inc.	Michael	Corey	mcorey@crossinggroup.com	El Dorado Hills	CA
Unassigned	Unassigned	Western Water Works	Eric	Loudon	eric@wwwsco.com	Chino Hills	CA
Unassigned	Unassigned	Rasmussen land Surveying Inc	Kate	Edwards	kate@rasmussenland.com	Monterey	CA



# 19131 - CAW Castroville

## Pipeline

Phone	Invite Status	Bidder Activity	Standing	Call Notes	Post-Bid Status
(623) 237-0645	Invited	Level 2	No Response		Not Set
(909) 548-4992	Invited	Level 2	No Response		Not Set
(916) 646-1999	Invited	None	No Response		Not Set
(661) 847-8547	Invited	Level 2	No Response		Not Set
(209) 952-9980	Invited	Level 1	Will Bid		Not Set
(916) 922-1139	Invited	None	Won't Bid		Not Set
(909) 350-8940	Invited	None	No Response		Not Set
	Invited	None	No Response		Not Set
(951) 817-0111	Invited	None	No Response		Not Set
(925) 822-8880	Invited	None	No Response		Not Set
(951) 304-1190	Invited	Level 2	No Response		Not Set
(805) 642-5000	Invited	Level 2	No Response		Not Set
(714) 632-1596	Invited	Level 1	Won't Bid		Not Set
(408) 532-9700	Invited	Level 2	No Response		Not Set
	Invited	None	No Response		Not Set
	Invited	Level 2	No Response		Not Set
(209) 966-5914	Invited	None	No Response		Not Set
(951) 903-3631	Invited	None	No Response		Not Set
(951) 657-6580	Invited	Level 2	No Response		Not Set
(925) 822-8880	Invited	None	No Response		Not Set
(888) 834-9376	Invited	Level 2	No Response		Not Set
(951) 304-1190	Invited	Level 2	No Response		Not Set
(530) 676-5705	Invited	Level 2	No Response		Not Set
(805) 642-5000	Invited	Level 2	No Response		Not Set
(909) 315-0933	Invited	Level 2	No Response		Not Set
(650) 366-3833	Invited	Level 2	Will Bid		Not Set
(714) 632-1596	Invited	Level 1	Won't Bid		Not Set
	Invited	None	No Response		Not Set
(562) 944-1636	Invited	None	No Response		Not Set
(562) 447-2718	Referred	Level 2	No Response		Not Set
(408) 532-9700	Invited	Level 2	No Response		Not Set
(408) 438-9000	Invited	None	No Response		Not Set
(415) 206-9050	Referred	Level 2	No Response		Not Set
	Invited	None	No Response		Not Set
(510) 887-8484	Referred	Level 2	No Response		Not Set
(831) 757-2172	Invited	Level 2	No Response		Not Set
(925) 688-1001	Invited	None	No Response		Not Set
(925) 671-2888	Referred	Level 2	No Response		Not Set
(530) 676-5705	Referred	Level 2	No Response		Not Set
(909) 315-0933	Referred	Level 2	No Response		Not Set
(831) 375-7240	Invited	Level 2	Will Bid		Not Set



**TECHNICAL PROPOSAL**

**Project understanding:** HHCI understands that CAWC’s Construction of Castroville Pipeline Project is a component of the Monterey Peninsula Water Supply Project (MPWSP), which involves the replacement of a significant portion of the existing water supply from the Carmel River, as directed by the State Water Resources Control Board (“SWRCB”). This three-pronged approach to replace the water supply reductions will consist of: (1) desalination, (2) groundwater replenishment (“GWR”), and (3) aquifer storage and recovery (“ASR”). This project will procure 19,000 linear feet of potable water pipeline connecting CAWC’s desalination plant transmission main to the Castroville Community Services District potable water system.

Furthermore, HHCI understands that the pipeline will have to be installed primarily in Transportation Agency of Monterey County (TAMC) right of-way (“ROW”), with a limited portion to be installed in Monterey County ROW around and under the **Monte Road Bridge** (830 LF 12” DI Pipe) where the pipeline will cross over the Salinas River. The limits of Work for the Project will be described by Temporary Construction Easements provided by the underlying property owners and are expected to typically encompass the full-width of the ROW. HHCI is aware that each property owner will set restrictions on the use of the ROW, and will acquire the necessary permits to conduct the work prior to mobilization. HHCI understands that this project runs through farmlands / vegetation areas, in addition to areas that are environmentally sensitive – such as creeks or water streams. Therefore, HHCI will take extreme measures to minimize the impact of these environmental factors. Furthermore, HHCI understands that all work must be environmentally compliant whilst working onsite and worksites must be returned to pre-existing conditions or better upon demobilization. **HHCI has accounted for reasonable dewatering per bid documents and the geotechnical bores provided.**

In preparation for bid and proposal development, HHCI’s representative attended the site visit. Estimators have reviewed project plans, specifications, and subsequent amendments, conducted 7 proposal development strategy meetings during which the team evaluated project requirements, to devise the safest, quality-oriented, sustainable and cost-conscious project solution and sought clarifications from CAW to arrive at its proposal offering.

The project encompasses the following scope of work:

Task	Contributions of Various Disciplines Participating
<p><b>Long Lead Items</b></p>	<p>HHCI has identified the following <b>long lead items</b>:</p> <ul style="list-style-type: none"> <li>▪ Flow Meters</li> <li>▪ Double Ball Felxtend</li> <li>▪ Precast Vaults</li> <li>▪ Pressure Regulators</li> <li>▪ Miscellaneous SS Pipe Hanger &amp; Fasteners</li> </ul> <p>HHCI will prioritize <b>equipment review submittals</b> and <b>procurement tasks</b> for these items on the project schedule.</p>
<p><b>Equipment List</b></p>	<p>For this project, HHCI will have the following equipment on site:</p> <ul style="list-style-type: none"> <li>▪ Excavator</li> <li>▪ Backhoe</li> <li>▪ Backhoe with compaction wheel</li> <li>▪ Loaders</li> </ul>



	<ul style="list-style-type: none"> <li>▪ Rollers</li> <li>▪ Water Trucks</li> <li>▪ Crew Trucks</li> <li>▪ Bobcat with Small Cold Planer</li> <li>▪ Water Pump</li> <li>▪ Generator</li> <li>▪ Compressor</li> </ul>
<p><b>Pipeline Production Rates</b></p>	<ul style="list-style-type: none"> <li>▪ Open Cut 12” Line – STA 10+00 to STA 70+00 – 120 LF per day avg.</li> <li>▪ Open Cut 12” Line – STA 70+00 to STA 109+60 – 110 LF per day avg.</li> <li>▪ Open Cut 8” Line – STA 109+60 to STA 199+60 – 120 LF per day avg.</li> <li>▪ HDD 8” FPVC – 2 days Fusing + 2 days of HDD / 4 days total</li> </ul>
<p><b>Project Critical Submittals</b></p>	<p>Prior to mobilization, HHCI will submit for approval the list of <b>required submittals</b> as specified in the RFP:</p> <ul style="list-style-type: none"> <li>▪ Miscellaneous SS Pipe Hanger &amp; Fasteners</li> <li>▪ Pipe &amp; Fittings</li> <li>▪ Precast Vaults</li> </ul> <p>HHCI will review all submittals for <b>accuracy, completeness, and compliance with contract requirements via its quality control process</b>, and will indicate approvals on each submittal, as evidence of such coordination and review.</p>
<p><b>Mobilization</b></p>	<p>After the award of the project and NTP, HHCI will start the process of material submittals and other required project requirements as follows:</p> <ul style="list-style-type: none"> <li>▪ Project Manager and Superintendent will visit the site to plan the lay down area requirements and storage area also to survey work area for access and limitations</li> <li>▪ HHCI will request a pre-construction meeting (kick-off meeting) to discuss <b>materials’ submittals, lay down area, jobsite requirements, contractor and subcontractor badging</b>, and other project requirements including jobsite security</li> <li>▪ Submit materials’ submittals</li> <li>▪ Obtain necessary approvals.</li> <li>▪ Mobilization</li> <li>▪ Site Layout</li> <li>▪ Install BMPs / SWPPP Measures</li> </ul> <p><b>Self-Performance: HHCI to self-perform mobilization activities to assure <u>safe mitigation</u> of construction impacts on surrounding facilities/area.</b></p>



<p><b>Proposed Staging Areas</b></p>	<p>HDD and Jack &amp; Bore – Near the Entry Pit, HHCI will dedicate a secure, fenced staging area for HDD or J&amp;B operations, including material storage. All equipment will be kept in the staging area. The staging area will be equipped with water tanker/storage, generator.</p> <p>Monte Bridge – HHCI will fence a small staging area near the bridge approach to accommodate equipment &amp; materials and to prevent any migration to environmentally sensitive areas. This area will support a locked container to keep all SS hangers and miscellaneous metals protected during construction.</p> <p>Open Trench – Given the anticipated production rates and the length of the overall project, we anticipate that two (2) additional staging areas will be required for efficiency. These staging areas will be carefully located and properly arranged-for with local landowners. Pipeline material will be delivered and placed along the trench, on wooden cradle dunnage to prevent from rolling, ready to be installed. Bedding &amp; backfill material will be delivered and safely stockpiled on an as-needed basis and in accordance with the approved SWPPP Manual.</p>
<p><b>Construction Phase</b></p>	<p>After the award of contract and before the kick-off meeting, HHCI's management team will visit the site and meet with the CAW Operations Manager to get more familiar with the site conditions, construction impact on businesses (Dole, for example) and other site requirements.</p> <p>During the visit, HHCI will also confirm the location of the laydown area, Site Specific Safety Plan requirements, material delivery schedules, confirm daily work hours and the scope of work. Also, we will discuss the sequence of work to minimize disruption to Dole's operations to the fullest practical extent. HHCI will also inspect the location of staging areas for HDD and Jack &amp; Bore operations in order to be able to perform these works with minimum or no impact to the surrounding environment.</p> <p>HHCI understands that safely hanging pipe under the bridge concrete barrier is a challenge, considering the working space and working above an active stream and environmentally sensitive areas. We have contacted several companies that have experience and expertise with regard to temporary working platforms. The safest, most economical, and schedule-efficient application is to deploy 2 mobile working platforms to the site for crews to work safely from, while supplying pipe from above using OSHA-compliant slings and methods.</p> <p>For all work pertaining to the Monte Bridge, HHCI will provide two mobile platforms. In doing so, our crews will be placed in a basket to work along the side of the bridge. In addition, there will be two long-reach Gradalls to hold and feed the pipe to the crew members. As demonstrated in Figure 1 and Figure 2, HHCI is able to safely move the employees efficiently across the bridge in order to install the pipe. HHCI explored other methods, but they did not present any advantages to safety or production, and were as much as three times more costly than this approach. Additionally, HHCI has experience successfully utilizing the approach outlined in previous applications.</p>



Figure 1



Figure 2

HHCI will be able to complete the project on schedule as follows:

- Begin Developing Submittals for Owner's approval.
- Mobilize and Set Up Laydown Area
- Install Construction Area Signs/ Traffic Control
- Install BMPs and Erosion Control Devices including any environmental measures necessary in areas of creek crossing, water streams, and farmlands.
- Pothole to locate exiting utilities
- Perform Construction Staking to mark the pipeline alignment
- Begin installing 12" Ductile Iron Pipe, Fittings, and Concrete Vault from Station 10+00 to Station 50+50 including Dole Entry Crossing by Jack and Bore Method
- Restore Asphalt Pavement at Del Monte Blvd. crossing
- Perform Pressure and Disinfection tests
- Install Road Barrier at stations 50+50 and 59+50 to close Monte Road Bridge to Traffic
- Install temporary working platform at Monte Road Bridge
- Drill holes for Pipe Hangers and Steel Plate Braces at bridge deck, abutment walls and steel girder
- Install Pipe Hangers and fasten Steel Plates Braces to Steel Girder
- Remove interfering portion of Concrete Barrier at both sides of bridge
- Run 12" Ductile Iron Pipe through Pipe Hangers and Steel Plate Braces
- Install Concrete Vaults and 8" Seismic Fittings (EBBA Double Ball Flexlend)
- Install Concrete Barrier 736
- Install 12" Ductile Pipe, Fittings from Station 59+50 to Station 109+65
- Perform Pressure and Disinfection tests
- Install 8" Ductile Iron Pipe, Fittings, and Concrete Vaults from Station 109+65 to Station 183+00
- Restore Asphalt Pavement at Nashua Road crossing
- Perform Pressure and Disinfection tests
- Fuse 8" FPVC pipe from Station 183+00 to Station 187+80
- Perform Pre-installation Pressure Test
- Excavate Entry and Exit (Receiving) Pits for HDD operations including shoring
- Install 8" FPVC pipe by HDD Method



	<ul style="list-style-type: none"> <li>● Perform Post-installation Pressure Test</li> <li>● Perform Pig Test</li> <li>● Perform Disinfection Test</li> <li>● Backfill Pits</li> <li>● Install 8” Ductile Iron Pipe and Fittings from 187+80 to Station196+00</li> <li>● Perform Lead Test and abatement for CalTrans at Highway 183</li> <li>● Install 8” Ductile Iron Pipe in 20” Steel Casing on Highway 183</li> <li>● Perform Pressure and Disinfections tests</li> <li>● Restore Asphalt Pavement at El Monte Road Station 198+00 to Station 199+58</li> <li>● Install Native Hydroseeding</li> <li>● Prepare Project As-Built Drawings</li> <li>● Submit O&amp;M Manuals and conduct any training that CAW requires</li> </ul> <p>For detailed construction activities and phasing for each area please refer to the enclosed <b>CPM schedule</b>.</p> <p><b>Self-Performance: HHCI to self-perform key areas (depending upon subcontractor price competitiveness) to assure the highest quality level.</b></p>
<p><b>Clarifications</b></p>	<ul style="list-style-type: none"> <li>▪ Our proposal has included the cost of procurement for temporary lay down areas as needed</li> <li>▪ SWPPP is included</li> <li>▪ This project has been bid as prevailing wage</li> <li>▪ Upon award, HHCI will provide a complete list of all agencies and utility companies that are within the jurisdiction of the project for any work during warranty period.</li> <li>▪ HHCI will purchase iron and steel has required per AIS</li> <li>▪ MUTCD Complaint traffic control</li> <li>▪ HHCI will provide HAZWOPER Training as required</li> <li>▪ HHCI will provide Shoring as required</li> <li>▪ In the event that the project is delayed due to unforeseen circumstances beyond contractor’s control, HHCI will work off of the producer index for the preferred escalation index</li> <li>▪ At this time, HHCI was not able to obtain an O&amp;M Manual or acceptance testing &amp; commission plan approach from our subcontractors. However, this information will be forth coming upon award</li> </ul>
<p><b>Proposed Working Hours</b></p>	<p>Unless otherwise authorized by CAWC, HHCI’s Project Delivery Team will work a regular schedule of <b>Monday through Friday, 8 hours per day, or Monday through Thursday, 10 hours per day</b> (during summer hours), per approval by CAWS. However, to maintain the schedule and meet the project completion milestones, HHCI is prepared to work <b>Monday thru Sunday</b> (if necessary).</p>



<b>FRAC-Out Plan</b>	The FRAC-Out plan provided in this proposal is to be viewed as a <b>sample</b> . HHCI agrees with the information provided on the plan, and believes it is the most accurate; however, the subcontractor whom provided the information may not be the subcontractor selected for this project. In order to meet proposal requirements, HHCI found it necessary to include the best FRAC-Out plan received.
<b>Exclusion</b>	HHCI has the following exclusions: <ul style="list-style-type: none"> <li>▪ This proposal does not include the testing / abatement of lead based paint of the Monte Bridge Girder</li> <li>▪ Permit fees to be reimbursable</li> <li>▪ Well points for dewatering</li> </ul>
<b>Close Out</b>	For the close-out phase, HHCI will perform <b>final inspection, punch list, commissioning coordination, and demobilization</b> . Final Close Out operations will include the following areas/documents: <ul style="list-style-type: none"> <li>▪ Four (4) hard copies and electronic copies on CD of O&amp;M Manuals</li> <li>▪ Final Completion Paperwork</li> <li>▪ Punch List</li> <li>▪ Submittals</li> <li>▪ Inspection Certificates</li> <li>▪ As-Built Drawings &amp; Specs to include Red-Lines</li> <li>▪ Warranties</li> <li>▪ Operating &amp; Maintenance Data</li> <li>▪ Accepted Shop Drawings &amp; Samples</li> <li>▪ Other Modifications to Contract</li> <li>▪ Field Test Records</li> <li>▪ Demonstrations/Training</li> <li>▪ Equipment Service &amp; Maintenance</li> <li>▪ Project Record Documents</li> <li>▪ Final Application for Payment</li> </ul>

The American Iron and Steel (AIS) provision requires Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) assistance recipients to use iron and steel products that are produced in the United States. This requirement applies to projects for the construction, alteration, maintenance, or repair of a public water system or treatment works. Because the **Construction of Castroville Pipeline** is a project under this definition, HHCI is pursuing the guidelines of the American Iron and Steel (AIS) requirements and is purchasing the needed iron and steel by manufacturers in the U.S. By constructing this project with only iron and steel products produced in the U.S, HHCI is assisting CAWC remain its compliance with *AIS Section 436*, and allow its sources of funds to proceed with the Construction of Castroville Pipeline.

Furthermore, HHCI currently has a strong local presence within the Monterey County. With a handful of jobs operating throughout the greater Central California and Central Coast, HHCI is able to utilize central California resources to support the **Construction of Castroville Pipeline**. HHCI is currently in the process of obtaining its 3<sup>rd</sup> office in the Monterey / Salinas region in order to have more accessible labor and equipment to provide to our clients. With local resources near the area, HHCI is able to respond to any required work 24 hours of the day and is able to provide any warranty work as needed. With these key factors, HHCI is prepared to mobilize at a moment’s notice.

For successful execution of the **Construction of Castroville Pipeline**, HHCI will employ its vast resources including:

- An experienced Project Delivery Team, specifically selected from over **182+ team members**, possessing relevant experience, especially in new building construction.
- Over **\$13.7M** in owned, operated, maintained, and CARB-compliant heavy equipment
- Multiple **in-house** crews, with current **safety protocol expertise**, and **safety training**.



- **Experienced, pre-qualified, and vetted** subcontractors and suppliers

The HHCI Project Delivery Team **stands ready to deliver** this complex and challenging project!

## How HHCI Creates Project-Site Safety Culture

Along with the standard requirements for Safety Programs (Site Safety Plan, AHA, APP, I&IPP), the following bullet points describe HHCI's methods to establish a **project-site safety culture**:

- **Subcontractor Participation in Health & Safety Areas:** Project health and safety aspects are reviewed and approved by **qualified** subcontractor personnel. **Tier 1 and 2 Subcontractors** are required to prepare **Site Specific Safety Plans** and **AHA's**. HHCI performs safety preparatory meetings with **Subcontractor Foreman and safety representatives** before work begins. SSHO's and Subcontractors perform **on-site inspections** to ensure Health and Safety Program implementation and attend safety tailgate meetings.
- **Subcontractor Collaboration:** **1<sup>st</sup> & 2<sup>nd</sup> Tier subcontractors collaborate** with HHCI during **work plan, safety plan, quality control plan, and schedule creation** to develop safety strategies and activity sequencing that supports safe operations.
- **Authority to Stop Work Program:** Any project delivery team member can **stop work** if there is an **unsafe condition**. Team members carry a laminated card that states: **AUTHORITY TO STOP WORK**, with team member's name inserted in the following statement: ***I, (insert name), am authorized by HHCI to stop work if any unsafe conditions are present or any unsafe practices are being used.***
- **Buddy System:** Employment of the **buddy system** to help team members perform work functions in a safer manner and as a "spotter" on site to act as a second pair of eyes.
- **Subcontract Safety Clause:** As part of its subcontract documents, HHCI requires "Maintenance of Safety" as a **team contractual obligation** for all HHCI subcontractor team members.
- **Equipment/Tools Inspection Checklist and O&M Manuals:** **Equipment readiness** is inspected prior to being put in service, including submission of a checklist. Equipment/tools are inspected for frayed cords, faulty safety mechanisms, tire condition, and maintenance issues. **Operational manuals** for equipment and **SDS Sheets** are onsite for reference.
- **Free Safety Training & Consultation:** Provided to subcontractor team members by HHCI Corporate Safety Officer, an **OSHA 500 trained and certified safety professional**.
- **Verification:** HHCI's Site Safety Mgr. **verifies safe operations** for subcontracted work, and the Corporate Safety Officer **spot checks** job sites semi-regularly, along with **scheduled visits** and **onsite training**.
- **Accident Reporting:** Subcontractors are required to **report all accidents, exposures, or near misses** to HHCI Site Safety Officer and Corporate Safety Officer for documentation and mitigation strategies.
- **Safety Committee:** The Corporate Safety Officer, Operations Managers, PMs, SSHOs, Superintendents, Crew, and Office Staff attend Safety Committee meetings to: update corporate-wide safety programs, procedures, and reports; review staff and subcontractor safety performance; and create safety innovations.
- **SSHO Monitoring & Safety Orientation:** SSHO inspects subcontractor's licenses, certificates, ability to perform duties, and equipment. **Safety orientations/tailboards** are conducted before work begins.
- Safety adherence is a "**Condition of Employment**" for all HHCI team members
- HHCI team members' **annual performance review** includes a safety component that HHCI's employees are measured against before earning bonus, wage or salary increases
- **Zero-tolerance drug testing**, conducted by **certified drug testing agencies**

## Safety Accomplishments







Demonstrating HHCI's **safety accomplishments**, HHCI has achieved **24 Navy Safety STAR Awards**, and **Associated Builders & Contractors (ABC)** certifications for: (1) **STEP Gold Level Safety Program**, which benchmarks HHCI's Safety Program and Safety Record as **exceeding industry standards** and **performance averages**, and (2) **Accredited Quality Contractor**, for the firm's exceptional operational, safety, and community standards.



**STAR Safety Award**



**ABC STEP Certificate**



**ABC AQC Certificate**

Hal Hays Construction, Inc. also had the privilege of accepting **American Water's 2019 National Safe Contractor of the Year** award. Nominated by California American Water (CAW), HHCI was competing against contractors from American Water's other subsidiary companies throughout the United States and Canada.

HHCI has partnered with CAW for several projects throughout California. The nature of the work completed by HHCI's team is statistically some of the most dangerous work within the construction industry. As general contractor, HHCI is honored to shine light in the serious measures they take when working underground construction – in addition to other trades HHCI is involved in.

In addition, HHCI utilizes the following tools in support of safe operations:

- HHCI pledged its support and is signatory to the **Construction Coalition for a Drug- and Alcohol-Free Workplace**, to eliminate substance abuse-related incidences in the workplace.
- **Pre-employment drug testing** and **physicals** by **US HealthWorks** and **Concentra**, including rapid 5 panel drug test, basic physical (vitals, Snellen eye test, and audiogram), and physical abilities test. For our drivers HHCI participates in the **Department of Transportation** program for random drug testing. Also, if we have reasonable suspicion or an accident occurs, HHCI sends employees for drug and/or breath/alcohol testing.
- **E-Verify System:** All HHCI employees are electronically verified by the **Department of Homeland Security** to confirm their identity and eligibility to work in the United States.



## Staff Training & Qualification Program

HHCI understands that safety is of utmost importance when it comes to completing this project. From prior experience, HHCI is familiar with the standards held by **The American Railway Engineering and Maintenance Association (AREMA)**, and is aware that these standards are to be held when working near / alongside the railroad. Per the technical specifications, HHCI will provide a safe environment and preserve space for future railroad improvements or other utility installations and will complete all pipe work along the railroad per AREMA specifications.

In addition to AREMA, HHCI will provide **40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER)** trained staff with current 8-hour annual updates to manage California and federal hazardous wastes soils, if any, as well as utility excavation or roadwork in areas where EH&S has determined that there is a possibility of encountering pyrite cinders. Furthermore, HHCI will provide certificates demonstrating 40-hour HAZWOPER training.

HHCI will work diligently to ensure that safety policies are maintained and will provide the necessary training and certifications in order to maintain compliance. HHCI will also maintain a “green flag” status on Avetta to assure CAWC’s regulation and policies are being met.

HHCI’s **human resource strategic plan** establishes the framework for qualified candidates, and defines staff qualifications, education levels, years of experience, safety certifications, quality control certifications, and environmental hazards training, among numerous areas, for HHCI project team positions. The plan also includes long-range planning, including succession planning, to ensure the workforce has the necessary skills and qualifications to perform the required functions for HHCI’s future growth. As a benefit of employment, HHCI also contributes to a team members’ education and training by providing **educational scholarships** for all relevant certifications, undergraduate degrees, EIT coursework and industry accreditations.

As a long term military contractor, HHCI utilized the **mandatory contractual** requirements to establish entry, mid, and senior level ranges. In addition, HHCI incorporates **our clients’ specific staffing qualification requirements**, to assure the firm provides qualified personnel for the size and complexity of the projects to be executed by the team.

HHCI’s **Human Resource Information system** collects and maintains information to ensure effective management of HHCI’s workforce. Specific data collected include (not all inclusive):

- Education levels (proof documents)
- Training certifications (Quality Control, Safety, Estimating, LEED, etc.)
- Length of service and documented industry years of experience
- Legal verifications (i.e., e-Verify, drug testing, fitness test, background checks, reference verification)
- Supporting documentation for skills currency, skills training, and specific client related directives (i.e. for work in: secured/access control areas; energized infrastructure , sensitive environmental areas)
- Project portfolio (relevant experience levels, project type, facility function)

## How Training Process & Qualifications Implemented & Managed

Executive Leadership implements policies on the development, selection, assignment, and management of project team members. **Supervisory** and **on-site employees** receive formal training, such as:

- Initial training for **all new employees** upon hiring.
- Ongoing, mandatory management training through **“HHCI Saturday Project Managers Training Program”**
- **Associated General Contractors** conducted training programs
- 1 on 1 hands-on training for **SAGE MasterBuilder system**
- Employees are trained **prior to assignment** involving new substances, new processes, new procedures or new equipment, with frequent refresher courses
- Supervisors are trained on hazards and safe practices in their area of responsibility.
- Training includes general area safety, and the potential occupational safety and health hazards and the Code of Safe Work Practices for the area.



- Refresher training is provided during **quarterly safety meetings** or any process/operational change.
- Sample topics include (not all-inclusive listing due to space limitations):

Sample Topics				
▪ ACOE Contractors Quality Mgmt for Contractors Cert.	▪ NAVFAC CQC Mgmt. for Contractors Cert.	▪ Click Safety-Excavation, Trenching, Flagging	▪ Lead Abatement Supervisor Training	▪ Primavera Project Planning
▪ Forklift Certified	▪ Confined Space Certified	▪ Flagger Certified	▪ EM 385-1-1	▪ Aerial Lifts
▪ Scaffolding	▪ PPE	▪ 10 hour OSHA Certified	▪ 30 hour OSHA Certified	▪ First Aid Training
▪ Subcontracts	▪ Procurement Process	▪ Daily Reporting	▪ HHCI IT network	▪ Estimation Systems
▪ Fall Protection	▪ ECATTS Training	▪ CPR /AED Training	▪ Harassment Training	▪ Confined Space Cert.

In addition, the Site Safety and Health Officer will provide and document **site-specific orientation training** during the **project kickoff meeting** and whenever new workers arrive on site. This training will address the IIPP, Site Specific Safety Manual, and all health and safety requirements and procedures pertinent to site operations. Attendance at **daily tailgate safety meetings** is mandatory for employees and subcontractors.



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November 13, 2018

Re: Experience Modification Rate  
Policy Expiration: 11/1/2019

To Whom It May Concern:

Please allow this letter to serve as verification for the Experience Modification Rate for Hal Hays Construction, Inc. Their XMOD for the past THREE years is as follows:

Year	XMOD
2018	1.07
2017	1.00
2016	<u>.76</u>
Three Year Average:	0.94

If you have any questions regarding this matter, please contact our office.

Sincerely,

A handwritten signature in blue ink that reads "David S. Jacobson".

David S. Jacobson  
CEO



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# California American Water Company Monterey Peninsula Water Supply Project Castroville Pipeline

## The HDD Company Inadvertent Drilling Fluid Release Plan

### Introduction

The HDD Company's drilling superintendent, drilling crew, and mud system technician are the first line of defense in IDFR prevention. The crew clearly understands the importance of circulation at all times for every directional drilling project that we undertake. Drilling fluid is monitored by (a) the drilling crew at the bore pit location, (b) the mud system technician at the Solids Control Unit/Tank, and (c) the trash pump operator while fluid is being pumped. The mud system technician is in constant communication with the drill rig operator. At all times during drilling, fluid levels within the Solids Control Unit/Tank are closely monitored. If at any time fluid levels within the Solids Control Unit/Tank drop noticeably, the mud technician will notify the drill rig operator. Lastly, an annular pressure sub will be used to monitor annular pressures in real time during the pilot-hole drilling.

In the event that annular pressures climb to unacceptable limits, fluid loss becomes anything more than the calculated hole volume, or a noticeable circulation flow reduction becomes visible at the entry or exit pits, the mud pumping will be stopped. The drill string will be "tripped out" of the hole while rotating the bent housing which will help clean the annulus to relieve pressure and restore circulation. If this does not achieve the desired results, the hole will be enlarged by forward reaming. The process is started at the bore entry and repeated until full circulation is regained. Once circulation has been regained, the pilot hole drilling will be resumed. This process may need to be repeated until the pilot hole has reached or neared the exit location.

Should fluid loss become a significant issue and the measures as outlined above become exhausted, The HDD Company would consider an approved loss of circulation material (LCM), grout or kick out of the existing bore hole, and redirect the bore path away from the loss circulation zone. The plan for this would be submitted and discussed before being approved or implemented.

In the unlikely event that there is an IDFR at surface, The HDD Company has included the following plan; only applicable and approved equipment will be used to contain or clean-up any drilling fluids should it inadvertently surface at ground level.

### Plan Objectives

- Minimize the potential for IDFRs.
- Provide the timely detection of any IDFRs that could enter or otherwise compromise or impact any sensitive cultural, environmental, or biological resources, surface facilities, or features.
- Facilitate notification of all appropriate agencies immediately and document of any incident.
- Facilitate proper response, containment, and cleanup in the event that an IDFR occurs.

### Responsibilities

- Monitoring for hydraulic pressures during the performance of the work.
- Minimize potential for IDFRs.
- Detection of any IDFRs at surface
- Containment of the IDFRs.
- Cleanup of the IDFRs.
- Documentation of the IDFRs.
- Notification of IDFRs to the permitting agencies and stakeholders as directed.

### Pre-Construction IDFR Prevention

IDFR prevention begins well before the mobilization of the drilling equipment to the project site. To this end, The HDD Company employs skilled, competent workers who are familiar with HDD construction, have performed many crossings of multiple complexities, and are well versed in monitoring for IDFRs and the warning signs that are often precursors to IDFRs.

Drilling fluids will predominantly consist of water and bentonite clay. MSDS for all drilling fluids will accompany this plan. It is not anticipated that any other additives will be necessary to safely accomplish this crossing; if it is determined that some would be beneficial, however, MSDS will be submitted prior to their use. Loss of Circulation Material (LCM) *may* be used in case of an IDFR or loss of circulation but has generally been found to be ineffective in most alluvial formations. MSDS for LCM will be submitted if needed.

The basic drilling fluid properties of concern include:

- Viscosity
- Fluid density
- Sand (solids) content
- Mud weight

The HDD Company maintains drilling fluid monitoring equipment on site – and crew members who are proficient in their use – to evaluate fluid properties and adjust fluid

quality as necessary during drilling operations. Adjustments of the basic drilling fluid properties may be desired in certain circumstances to match actual soil types in order to achieve a more stable borehole, improve cuttings return, and reduce the IDFR potential during difficult drilling circumstances. Pump pressures will be monitored continuously with the use of a pump pressure gauge located on the driller's console. This pressure is commonly referred to as "standpipe pressure" and reflects the pressure through the mud pump(s), surface plumbing, drill pipe, and across the jet nozzle(s) in the drill bit. In addition, an annular pressure sub will provide the driller and steering technician annular pressures in real time that are automatically logged as pilot hole drilling takes place. Standpipe pressures will be logged for each joint drilled in the "Driller's Log". The amount of standpipe pressure generated is determined by how much pressure is required to hydraulically erode the formation, using a "jetting bottom hole assembly" or turning the rotor section of a mud motor. Standpipe pressure may increase or decrease depending on the strength of the formation being drilled at any given time, but it is anticipated that pressures between 150 psi and 550 psi may be required for "jetting" these crossings. If a mud motor becomes necessary, anticipated mud pressures would range from 300-500 psi.

### **Project Site Monitoring**

Project site monitoring includes the primary HDD good practices necessary to minimize IDFR potential. The monitoring schedule proposed for the start of the project is summarized in *Attachment A*. Frequency may be increased or decreased depending on the conditions and phase of the work (e.g., increased monitoring during a period of lost circulation, reduced monitoring when HDD activities have been demonstrated to consistently produce anticipated results).

### **Loss of Fluid Recovery**

Good HDD practices dictate monitoring fluid recovery during the progression of work. In many cases, the loss or sudden changes of fluid recovery provide an early indication that down-hole conditions may be susceptible to an IDFR. Fluid recovery is therefore monitored on a continuous or near-continuous basis.

A plugged bore-hole annulus or a major formation fracture can lead to partial or full loss of drilling fluid circulation. It is possible to monitor fluid loss by watching for significant differences between the fluid rate being pumped down-hole and the rate of returns flowing into the surface containment pits. The presence of back pressure in the drill pipe when unscrewing from the down-hole work string is a warning sign of a plugged annulus. In accordance with the plan, The HDD Company will monitor the drilling fluid pump rate, the solids control tank level, the rate of drilling fluid returns to the containment pits, the annular pressure, and the back pressures as identified in *Attachment A*. As drilling progresses, the driller will be kept aware if back pressure is present or high volumes of drilling fluid are being lost down-hole, taking into consideration ground conditions and the volume of fluid needed to fill the new hole being drilled. Should the driller feel that fluid circulation is slowing or is about to stop, or back pressure in the string is present, he will immediately implement the following procedures:

1. Temporarily cease drilling operations and shut off the mud pumps.
2. Dispatch observers to inspect the area between the entry point and the bit along the bore alignment for evidence of drilling fluid on the ground surface.
3. If drilling fluids are not seen on the ground surface or in the water, the mud pumps will be started and volumes will be gradually increased as the drill pipe is pulled back, rotating the drill string to wipe the bore-hole annulus and encourage flow.
4. If annular flow is still not gained after steps 1-3 above, then a ten joint trip out of the hole (TOOH) will be initiated. Once flow is regained, the drill pipe would be tripped back to the bottom of the hole and drilling will be resumed.
5. Should steps 1-4 above not restore circulation, then a complete joint trip out of the hole will be necessary. Once the bit reaches the surface, it will be removed and replaced with a reamer and “bull nose” to ream the hole to its terminus. Opening the hole with a larger reamer relieves the annular pressure in the hole by creating a larger annulus for fluids to flow through, in addition to eliminating any blockages/solids bridges that may have occurred in the pilot hole.
6. Consideration will be given to drilling a relief well over the top of the drill path and intersecting it. This relief well will be located at a strategic point along the drill path where it is at an optimal distance and does not impact the surrounding environment.

Depending on the success of these procedures, the properties of the drilling fluid may be altered. Observers will continuously monitor the area for IDFRs as long as the mud pumps remain on.

When circulation is re-established, drilling will proceed as usual and monitoring for IDFRs will become more routine as long as circulation is maintained.

Typically, losses of circulation have the highest probability of occurring while the pilot hole is being drilled. This is due to the smaller bore-hole annulus and the relatively large amount of cuttings being carried in the drilling fluids. Often times in the course of drilling the pilot hole, circulation may be temporarily lost as the pilot bit is advanced through more permeable sections of the formation and fluid pressures are at a maximum. Under these circumstances, the loss of fluid circulation alone may be temporary. As the pilot bit advances beyond the zone of lost circulation, fluid pressure may return to normal and circulation within the borehole may be re-established.

### **IDFR Response**

- A.** If IDFRs are observed on the ground surface or at a location other than the bore containment pits, the following procedures will be immediately implemented.
  1. Cease drilling operations
  2. Pull drilling string off bottom to relieve pressures.
  3. Notify all required parties as outlined in *Attachment B*.
  4. Document the event with photographs.
  5. Enter site in the presence of all approved, involved parties.



6. Identify and locate sensitive resources on site.
7. If the IDFR occurs on land, contain the drilling fluid with sand or gravel bags, straw bales, and/or wattles.
8. Remove contained drilling fluids by hand or other approved methods and dispose properly.
9. Clean up affected area using brooms, shovels, equipment, etc. Backhoes, sweepers, or similar pieces of equipment are not approvable.
10. Document the cleaned-up area with photographs.
11. Adjust drilling fluid properties to inhibit flow through the fracture and wipe the hole by tripping out drill pipe.
12. After tripping the drill string back, allow the formation to “rest” for a suitable period. Continue drilling while monitoring the IDFR location and transfer fluids as necessary.
13. Forward ream the bore-hole up to the IDFR location to relieve annular pressures.
14. Continue drilling with minimum fluid.
15. Consider drilling a vertical relief well over the bore hole in order to relieve borehole pressures and encourage flow to a known source where it can be managed.
16. Notify cultural and biological resources.

**B.** If the IDFR is located in the water, a pre-made containment vessel made of steel may be placed over the point of the IDFR to contain the fluid if it is near either bank. If the IDFR is not close enough to either bank to contain, consider placing either LCM or grout in the hole and re-drilling the pilot hole at a lower elevation.

**C.** If there is a loss of circulation where flow into the sump pit is reduced or lost completely and no fluid is observed, the following procedures will be immediately implemented.

1. Stop and assess the loss of circulation.
2. Pull drill string back several joints (as little as 5 joints to as many as 20 joint or more) to swab the hole. If circulation cannot be regained, proceed to step 3 below.
3. Trip out of hole with pilot string, put on reaming device, and forward ream pilot hole to open the annular space and relieve pressure. If circulation cannot be regained, proceed to steps 4-8 below.
4. Notify all required parties as outlined in *Attachment B*.
5. Pull drill string off bottom and start slow mud pumping operations downhole to check for IDFRs on the alignment.
6. Double check for losses in the channel, 200 feet each side of centerline.
7. If no fluids are noticed, resume drilling at reduced pressures and constantly monitor along the alignment.

It should be noted that often times drill cuttings generated as a result of the drilling process will naturally bridge and subsequently seal fractures or voids in the formation as

drilling progresses, thus providing another means to re-establish losses of circulation. This is particularly likely during the reaming process as higher volumes of cuttings are generated.

### **IDFR Control Equipment**

In accordance with good HDD practices, the following IDFR containment and cleanup equipment should be present on or near the project site.

- Heavy weight sealed plastic bags filled with sand or gravel
- Splash board: three layers of heavy plastic
- Several five-gallon plastic buckets
- One wide heavy-duty push broom
- Flat blade shovels
- Silt fence, t-posts, and straw bales
- At least two ten-foot rolls of straw logs (wattles)
- Portable trash pumps with a minimum of 500 feet of discharge hose
- A minimum of one vacuum truck on site and access to more within one hour of the job site

**ATTACHMENT "A"**

***Inadvertent Drilling Fluid Return (IDFR) Monitoring Frequency***

<b>Phase</b>	<b>Item</b>	<b>Description</b>	<b>Normal Monitoring Frequency</b>	<b>Increased Monitoring Frequency</b>
Pilot Hole	A1	Annular pressure	Continuous	Continuous
	A2	Boring fluid recovery	Near continuous	Continuous
	A3	Mud properties	Every 3 hours	Every joint
	A4	HDD penetration rate	Every joint	Every joint
	A5	Pump rate and pressures	Every joint	Every joint
	A6	Fluid return volume	Continuous	Continuous
	A7	Bore path position	Every joint	Every joint
	A8	Drill path	Every 3 joints	Continuous
	A9	Mud tank level	Every joint	Continuous
Pre-Reaming	B1	Fluid recovery	Every joint	Continuous
	B2	Mud properties	Every 3 hours	Every joint
	B3	HDD penetration rate	Every joint	Every joint
	B4	Pump rate and pressures	Every joint	Every joint
	B5	Fluid return volume	Continuous	Continuous
	B6	Drill path	Every 3 joints	Continuous
	B7	Mud tank level	Every joint	Every joint
Pull Back	C1	Fluid recovery	Continuous	Continuous
	C2	Pull force	Every joint	Every joint
Other	D3	IDFR counter-measure implementation	Continuous	Continuous
Mud Recovery Equipment	E3	Spill containment measures	Near continuous	Near continuous

## ATTACHMENT "B"

### *Inadvertent Drilling Fluid Release (IDFR) Notification List*

In the event of an IDFR, the following persons/agencies should be notified immediately, starting with \_\_\_\_\_. However, only at the direction of the General Contractor will The HDD Company contact the following:

#### **Prime Contractor Site Representative**

Name: TBD  
Phone: TBD

#### **The HDD Company Site Representative**

Name: TBD  
Phone: TBD

#### **The HDD Company Home Office**

Name: Steve Donovan  
Phone: (530) 676-5705

## **PROPOSAL FORM 5**

### **PRELIMINARY PROJECT SCHEDULE, SCHEDULED CONSTRUCTION DATE AND SCHEDULED ACCEPTANCE DATE**

The Proposer shall submit a preliminary Project schedule with the Proposal that includes important construction activities and milestones from issuance of the Notice to Proceed through final completion. This preliminary Project schedule shall be submitted in both written and electronic formats. The level of detail shall be in summary level for major procurement and construction activities. Major milestones throughout the construction period shall be included.

The preliminary Project schedule shall consist of, but not be limited to, the following:

- (i) Important procurement activities and milestones
- (ii) Important construction activities and milestones
- (iii) Important commissioning and testing milestones
- (iv) It shall indicate the sequence of Work and the time of starting and completing each part.

In addition, the Proposer shall summarize and provide a list of proposed major milestones and completion dates including, but not limited to:

- 5.2.3.2 Issuance of Notice to Proceed
- 5.2.3.3 Expected delivery of all materials and equipment
- 5.2.3.4 Date of construction commencement
- 5.2.3.5 Completion of major structures
- 5.2.3.6 Commissioning and functional testing commencement
- 5.2.3.7 Substantial Completion Date
- 5.2.3.8 Acceptance test
- 5.2.3.9 Date of acceptance
- 5.2.3.10 Date of Completion and readiness for final payment

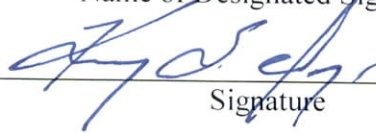
The Proposer shall use the following format to provide this information:

**TABLE 5-1 MAJOR ACTIVITIES AND MILESTONES<sup>1</sup>**

<b>ACTIVITY NUMBER</b>	<b>ACTIVITY/MILESTONE</b>	<b>DATE<sup>2</sup></b>

**HAL HAYS CONSTRUCTION, INC.**  
Name of Proposer

**Kirby S. Hays**  
Name of Designated Signatory

  
Signature

**CEO**  
Title

Footnotes:

- <sup>1</sup> List each major activity and milestone separately.
- <sup>2</sup> Indicate the end of activity or date milestone achieved.

CAW Construction of Castroville Pipeline  
Monterey Peninsula, CA

HHCI Project No. 19131

Activity ID	Activity Name	Duration	Activity % Complete	Start	Finish	2020											
						Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
<b>CAW Construction of Castroville Pipeline</b>		246		03-Sep-19	14-Aug-20												
<b>Project Overview / Milestones</b>		246		03-Sep-19	14-Aug-20												
1000	Project Award	0	0%	03-Sep-19													
1010	Pre-Construction Meeting / Notice To Proceed	1	0%	31-Oct-19	31-Oct-19												
1020	Start Pipeline	0	0%	25-Nov-19													
1030	Start Monte Road Bridge	0	0%	07-Feb-20													
1040	Monte Road Bridge Complete	0	0%		07-Apr-20												
1050	Pipeline Complete	0	0%		11-Aug-20												
1060	Project Complete	0	0%		14-Aug-20												
<b>Submittals</b>		25		13-Sep-19	17-Oct-19												
2000	Develop / Submit Site Logistic Plan	7	0%	13-Sep-19	23-Sep-19												
2010	Develop / Submit Pipes and Fittings	10	0%	13-Sep-19	26-Sep-19												
2020	Develop / Submit Rebar Submittal	10	0%	13-Sep-19	26-Sep-19												
2030	Develop / Submit Ready Mix Concrete	10	0%	13-Sep-19	26-Sep-19												
2040	Develop / Submit Electrical and Instrumentation Components	15	0%	13-Sep-19	03-Oct-19												
2050	Develop / Submit Rip Rap Submittal	10	0%	13-Sep-19	26-Sep-19												
2060	Develop / Submit Precast Vaults	20	0%	13-Sep-19	10-Oct-19												
2070	Develop / Submit Fence and Gate Submittal	10	0%	13-Sep-19	26-Sep-19												
2080	Develop / Submit Asphalt Mix Design	10	0%	13-Sep-19	26-Sep-19												
2090	Develop / Submit SS Pipe Hangers / Plates / Miscellaneous Metals	10	0%	13-Sep-19	26-Sep-19												
2100	Develop / Submit Working Platform for Monte Road Bridge	10	0%	13-Sep-19	26-Sep-19												
2110	Develop / Submit HDD Operation Plan	10	0%	13-Sep-19	26-Sep-19												
2120	Develop / Submit Hydroseed Mix	10	0%	13-Sep-19	26-Sep-19												
2130	Develop / Submit Equipment Efficiency Plan	5	0%	13-Sep-19	19-Sep-19												
2140	Develop / Submit Noise Monitoring Plan	5	0%	13-Sep-19	19-Sep-19												
2150	Develop / Submit Dust Control Plan	5	0%	13-Sep-19	19-Sep-19												
2160	Develop / Submit SWPPP	5	0%	13-Sep-19	19-Sep-19												
2170	Develop / Submit Site Specific Health & Safety Plan	10	0%	17-Sep-19	30-Sep-19												
2180	Develop / Submit Sandfill	10	0%	17-Sep-19	30-Sep-19												
2190	Develop / Submit Traffic Control Plan	10	0%	17-Sep-19	30-Sep-19												
2200	Review / Approve Equipment Efficiency Plan	5	0%	20-Sep-19	26-Sep-19												
2210	Review / Approve Noise Monitoring Plan	5	0%	20-Sep-19	26-Sep-19												
2220	Review / Approve Dust Control Plan	5	0%	20-Sep-19	26-Sep-19												
2230	Review / Approve SWPPP	5	0%	20-Sep-19	26-Sep-19												
2240	Review / Approve Site Logistic Plan	5	0%	24-Sep-19	30-Sep-19												
2250	Review / Approve Pipes and Fittings	5	0%	27-Sep-19	03-Oct-19												
2260	Review / Approve Rebar Submittal	5	0%	27-Sep-19	03-Oct-19												
2270	Review / Approve Ready Mix Concrete	5	0%	27-Sep-19	03-Oct-19												
2280	Review / Approve Rip Rap Submittal	5	0%	27-Sep-19	03-Oct-19												
2290	Review / Approve Fence and Gate Submittal	5	0%	27-Sep-19	03-Oct-19												
2300	Review / Approve Asphalt Mix Design	5	0%	27-Sep-19	03-Oct-19												
2310	Review / Approve SS Pipe Hangers / Plates / Miscellaneous Metals	5	0%	27-Sep-19	03-Oct-19												



**CAW Construction of Castroville Pipeline  
Monterey Peninsula, CA**

**HHCI Project No. 19131**

Activity ID	Activity Name	Duration	Activity % Complete	Start	Finish	2020																	
						Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep					
2320	Review/Approve Working Platform for Monte Road Bridge	5	0%	27-Sep-19	03-Oct-19																		
2330	Review/Approve HDD Operation Plan	5	0%	27-Sep-19	03-Oct-19																		
2340	Review/Approve Hydroseed Mix	5	0%	27-Sep-19	03-Oct-19																		
2350	Review/Approve Site Specific Health & Safety Plan	5	0%	01-Oct-19	07-Oct-19																		
2360	Review/Approve Sandfill	5	0%	01-Oct-19	07-Oct-19																		
2370	Review/Approve Traffic Control Plan	5	0%	01-Oct-19	07-Oct-19																		
2380	Review/Approve Electrical and Instrumentation Components	5	0%	04-Oct-19	10-Oct-19																		
2390	Review/Approve Precast Vaults	5	0%	11-Oct-19	17-Oct-19																		
<b>Procurement</b>		<b>35</b>		<b>04-Oct-19</b>	<b>25-Nov-19</b>																		
3000	Procure Pipe and Fittings	20	0%	04-Oct-19	31-Oct-19																		
3010	Procure Pipe Hangers	20	0%	04-Oct-19	31-Oct-19																		
3020	Procure Electrical and Instrumentation Components	30	0%	11-Oct-19	25-Nov-19																		
3030	Procure Precast Vaults	20	0%	18-Oct-19	14-Nov-19																		
<b>Mobilization</b>		<b>2</b>		<b>19-Nov-19</b>	<b>20-Nov-19</b>																		
4000	Mobilization / Set up Laydown Area	2	0%	19-Nov-19	20-Nov-19																		
<b>Construction</b>		<b>186</b>		<b>25-Nov-19</b>	<b>11-Aug-20</b>																		
<b>Pipeline Installation</b>		<b>186</b>		<b>25-Nov-19</b>	<b>11-Aug-20</b>																		
5000	Install Temporary Fence	2	0%	25-Nov-19	26-Nov-19																		
5010	Install Traffic Control	5	0%	27-Nov-19	03-Dec-19																		
5020	Install BMP's and Erosion Control	5	0%	04-Dec-19	10-Dec-19																		
5030	Pothole to Locate Existing Utilities	3	0%	04-Dec-19	06-Dec-19																		
5040	Perfrom Initial Site Survey to mark Pipeline Alignment	5	0%	09-Dec-19	13-Dec-19																		
5050	Install 12" DI Pipe, Fittings from Station 10+20 to Station 25+50	12	0%	16-Dec-19	01-Jan-20																		
5060	Install Concrete Vault and Flow Meter at Station 10+65	2	0%	19-Dec-19	20-Dec-19																		
5070	Sawcut and Remove Asphalt at Del Monte Blvd	1	0%	23-Dec-19	23-Dec-19																		
5080	Trench Patching With Asphalt at Del Mote Blvd	1	0%	30-Dec-19	30-Dec-19																		
5090	Install 12" DI Pipe in 24" Steel Casing by Jack and Bore Method	10	0%	02-Jan-20	15-Jan-20																		
5100	Install 12" DI Pipe, Fittings From Station 27+35 to Station 50+50	20	0%	16-Jan-20	12-Feb-20																		
5110	Install 12" DI Pipe, Fittings From 59+50 to Station 109+60	40	0%	13-Feb-20	08-Apr-20																		
5120	Install 8" Backflow Preventor at Station 109+80	2	0%	09-Apr-20	10-Apr-20																		
5130	Install 8" PRS in Concrete Vault	2	0%	13-Apr-20	14-Apr-20																		
5140	Install 8" Actuated Valve in Concrete Vault	2	0%	15-Apr-20	16-Apr-20																		
5150	Install Concrete Vault and Flow Meter at Station 112+05	2	0%	17-Apr-20	20-Apr-20																		
5160	Install 8" DI Pipe, Fittings from Station 110+00 to Station 183+00	52	0%	21-Apr-20	01-Jul-20																		
5170	Install Electrical / Instrumention / SCADA and Programming	8	0%	21-Apr-20	30-Apr-20																		
5180	Sawcut and Remove Asphalt at Nashua Road	1	0%	01-May-20	01-May-20																		
5190	Trench Patching With Asphalt at Nashua Road	1	0%	08-May-20	08-May-20																		
5200	Fuse 8" PVC Pipe and Perform Preinstallation Pressure Test	1	0%	11-May-20	11-May-20																		
5210	Perform Pig Test	1	0%	12-May-20	12-May-20																		
5220	Install 8" Fusible PVC Pipe by HDD Method from Station 183+40 to Station 187+50	4	0%	02-Jul-20	07-Jul-20																		
5230	Install Chainlink Fence and Gate	5	0%	02-Jul-20	08-Jul-20																		
5240	Perform Post Installation Pressure Test for 8" Fusible PVC Pipe	1	0%	08-Jul-20	08-Jul-20																		









**SUMMARY OF BUSINESS AND PRICE PROPOSAL**

Founded in 1991 and celebrating over 28 years of service to clients, Hal Hays Construction, Inc. (HHCI) is an award-winning design build construction company providing vertical construction and civil construction services for Public Utilities, Water Agencies, Military Government and Private clients throughout the Western states. HHCI’s portfolio includes 1,000+ successful new construction, heavy civil, wet utilities, and renovation/TI projects. Also, HHCI possesses extensive expertise in these highly relevant areas, for example, multi-site/concurrent project coordination, wet utility projects: pipe lines, pump stations, and waste water treatment plants.



HHCI Headquarters, Riverside, CA

**Full Legal Name & Current Physical Business Street Address:**

**Hal Hays Construction Inc.**  
4181 Latham Street, Riverside, CA 92501

**State Contractors License No. and Class:**

California State Contractors License #667560

Classifications: **A, B, C12, C21, HAZ**

Department of Industrial Relations: **100005009**



City of Fresno  
WWTP Odor  
Control Plant,  
Fresno, CA

**Brief Description of the Organization's History, Capabilities, Resources, Structure, Size & Services**

HHCI is an A & B licensed General Contractor, C-12 Earthwork & Paving, C-21 Building Moving & Demolition, and HAZ certified specialty contractor.

<b>HHCI Crew &amp; Management/Admin. Team</b>	<b>89</b> crew members and <b>78</b> management and administrative employees
<b>Self-Perform Trade Disciplines</b>	<ul style="list-style-type: none"> <li>▪ Demolition</li> <li>▪ General Construction</li> <li>▪ Building Construction</li> <li>▪ Renovations</li> <li>▪ Interior Work</li> <li>▪ Civil Constr.</li> <li>▪ Site Concrete</li> <li>▪ Earthwork</li> <li>▪ Asphalt Paving</li> <li>▪ Flatwork</li> <li>▪ Utilities</li> <li>▪ General Labor</li> <li>▪ Design Build</li> <li>▪ Erosion Control</li> <li>▪ BMP’s</li> <li>▪ Equipment/Supply Transportation</li> <li>▪ Heavy Equipment</li> <li>▪ Traffic Control</li> </ul>
<b>Heavy Equipment Fleet</b>	<b>\$13.7M</b> Heavy Equipment Fleet, comprised of <b>289</b> pieces of owned, maintained, and operated Heavy Equipment.
<b>Equipment &amp; Supply Transportation</b>	<b>Equipment and supply transportation</b> services via <b>15 CARB-Compliant truck/trailer</b> assets, including <b>86</b> Service Vehicles.

As a long-term **design builder**, specializing in heavy horizontal civil and wet utility projects, HHCI successfully performs work throughout California American Water Company’s geographical footprint.

In response to this RFP, HHCI agrees to use the process as outlined in the document.

**Hal Hays Construction, Inc.** has read the proposed Contract Documents included in the attachments of this RFP and are prepared to enter in to this Agreement with CAW, should our proposal be accepted by the owner.



## Project Experience

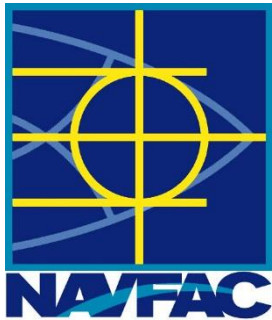
The following projects demonstrates HHCI's extensive knowledge with tenant improvement along with its capabilities to support projects from a wide spectrum of clients.

*Not an all-inclusive list:*

### Project Name: Design Build Operations Access Points Red Beach, Marine Corps Base, Camp Pendleton, CA



#### Project Description



Hal Hays Construction, Inc. (HHCI) served as the **prime contractor** to the US Naval Facilities Engineering Command to provide design and build services for the Operations Access Points Red Beach project at MCB Camp Pendleton, CA. This project **(1) upgraded and improved** the access route between the "Red Beach" amphibious landing training beach and inland training area to improve **'Ship to Shore' military training access**; and **(2) constructed a new North County Transit District (NCTD) railroad bridge and new double-track railroad section**, to replace the existing dual arched concrete bridge. The project mitigated the **(1) horizontal roadway constraints, (2) Interstate I-5 Freeway north and south bound bridge vertical constraints, and (3) the North County Transit District (NCTD) double arch concrete railroad bridge constraints** to allow bi-directional movement of large military vehicles underneath the bridge resulting in uninterrupted training exercises.

#### Project Work Scope

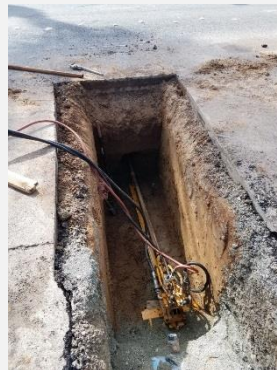
The following work areas represent the project's key deliverables:


- **Asphalt Paving & Roadway Widening:** Widen and pave approximately **500 linear feet** of the existing Red Beach access roadway from west of the southbound I-5 bridge to east of the NCTD railroad bridge, including the area under the I-5 Freeway bridges.
- **Retaining Walls:** The railroad embankments will be protected with **retaining walls** which will provide additional **flood protection** and **sustainability**.
- **Tie-Back Wall Systems:** Underneath the I-5 Freeway bridges the existing north soil abutments will be **excavated and stabilized with a new tie-back wall system**.
- **Two-Lane Red Beach Access Roadway:** Construction of **two-lane access roadway**, separated by the existing north columns supporting the interstate freeway. HHCI installed **concrete barriers** along each side of the existing columns for protection.
- **Sheet Pile & Gravity Retaining Walls:** HHCI installed a sheet pile retaining wall and a gravity retaining wall to accommodate the grade separation between the existing creek and the southerly lane of the new access roadway. Due to vertical constraints (I-5 bridge superstructure), the sheet pile wall was constructed in horizontal spliced sections.
- **New Roadway Drainage:** Construction of sheet pile wall with a concrete shoulder for drainage that abuts the sheet pile wall cap. The roadway drainage flows to a low point in



	<p>the roadway profile where it transitions to a grated basin with discharge through the retaining wall.</p> <ul style="list-style-type: none"> <li>▪ <b>New Railroad Bridge, Railroad, Signalization &amp; Positive Train Control System:</b> HHCI coordinated extensively with the North County Transit District (NCTD) for the design and construction of the <b>new single track multi-span bridge structure, rail elements, track signalization, and positive train control system.</b></li> </ul>
<b>Project Value</b>	\$15M
<b>Name of Owner</b>	US Naval Facilities Engineering Command
<b>Name of Contact</b>	<b>Confidential</b> – Client is not allowed to disclose performance or project information

**Project Name: Palm Ave Water Main Replacement, Imperial Beach CA**



<p><b>Project Description</b></p> 	<p>HHCI served as prime contractor for the installation of a new water main at Palm Ave, Imperial Beach. This project scope of work consisted of: installation of new water main, fittings, valves, cut-in wyes, concrete thrust, blocks and thrust restraint joints, USA Mark Out, pothole utilities, trench excavation, dewatering and backfill, site restoration, blow-offs, and related appurtenances, traffic control, pressure testing and disinfection, and existing main abandonment in accordance with the plans and specifications. This project required special requirements including:</p> <ul style="list-style-type: none"> <li>▪ <b>Shutdowns</b></li> <li>▪ <b>Tapping</b></li> <li>▪ <b>Scheduling</b></li> <li>▪ <b>Sequence of Construction</b></li> <li>▪ <b>Traffic Control</b></li> </ul> <p>HHCI successfully met the requirements of this project!</p>
<b>Project Value</b>	\$588,410
<b>Notable features or accomplishments</b>	<ul style="list-style-type: none"> <li>▪ Overall Project Evaluation Rating of <b><u>ABOVE AVERAGE</u></b></li> <li>▪ Work successfully accomplished</li> </ul>
<b>Project Point of Contact:</b>	
<b>Name, Address and Telephone Number of Contact name</b>	<p><b>Name:</b> Jacob Quick <b>Email:</b> Jacob.quick@amwater.com</p>
<b>Name of Owner</b>	California American Water



**Project Name: P-991 Coastal Campus Naval Base Transmission Main, Imperial Beach CA**



**Project Description**



HHCI served as prime contractor to realign the **P-991 Coastal Campus Naval Base Transmission Main line** in, Imperial Beach, CA. Installation of a new water main, **8,500 LF 16” PVC pipe C900 DR 14 PC305**, fittings, valves, cut-in wyes, concrete thrust blocks and thrust restraint joints, trench excavation and backfill, site restoration, air/vacuum release valves with enclosure, blow-offs, and related appurtenances, traffic control, pressure testing and disinfection, and existing main abandonment.

All excavated areas were backfilled, compacted, restored temporary and permanent asphalt paving sidewalk, and any other physical features that were affected.

Project included a **traffic control plan** and **on-site traffic control** to keep open traffic lanes during construction and to maintain safety.

HHCI achieved **100% accident-free operations**.

HHCI **self-performed 93%** of the work, including: **Pre-Construction Services; Project Management; Quality Control/Safety Management; EPP; Permitting; BMP Implementation; Demolition; Excavation and Trenching; Grading; Concrete Work; Pipe Installation; Traffic Control Measures; Site Clean Up.**

<b>Contract Amount</b>	\$1,509,354
<b>Date of Completion</b>	2018
<b>Notable features or accomplishments</b>	<ul style="list-style-type: none"> <li>▪ Overall Project Evaluation Rating of <b>ABOVE AVERAGE</b></li> <li>▪ High-quality gate valves and fire hydrants installed</li> <li>▪ Work successfully accomplished without traffic interferences</li> </ul>
<b>Project Point of Contact:</b>	
<b>Name, Address and Telephone Number of Contact name</b>	<b>Name:</b> Mark Reifer, Engineering Manager <b>Address:</b> 8657 Grand Avenue, Rosemead, CA 91770 <b>Telephone Number:</b> 626-614-2517 Email: mark.reifer@amwater.com
<b>Name of Owner</b>	California American Water



## Contractor's Credentials

### Full Legal Name & Current Physical Business Street Address:

**Hal Hays Construction Inc.**

4181 Latham Street, Riverside, CA 92501

### State Contractors License No. and Class:

California State Contractors License #667560

Classifications: **A, B, C12, C21, HAZ**

Department of Industrial Relations: **1000005009**





## Financial Capabilities

Demonstrating HHCI's financial strength, the firm enjoys the best industry commercial credit score, extensive funding (operating Line of Credit & Banking LOC: (mid seven figures), and ample bonding limit of **\$120,000,000**, a nod to the firm's financial stability

HHCI has a long-standing relationship with our Surety Agent, Owen M. Brown, and currently holds a line of credit that continues to **aggregate over \$120,000,000 with a single job capacity of \$50,000,000**. Please refer to the attached Letter of Commitment from Surety demonstrating our **bonding capacity**.



Note: **HHCI's bonding company**, Western Surety Company (NAIC #13188) is listed in the Treasury Department Circular 570, with underwriting limitation of \$88,171,000,000.00, and holds surety licenses in all 50 states and two U.S. territories, including Alaska, Arizona, Colorado, Idaho, Illinois, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, Oregon, North Dakota, South Dakota, Utah, Washington, Wisconsin, and Wyoming.



**PEOPLE'S UNITED BANK LETTER**

**People's United  
Equipment Finance Corp.**

A subsidiary of **People's United  
Bank**

1936 E. Deere Avenue, Suite #210  
Santa Ana, California 92705

T: 949.757.1232 F: 949.757.1495

November 15, 2018

Re: Hal Hays Construction, Inc., ("HHCI") Riverside, CA

Gentlemen,

Please let this letter serve as confirmation that Hal Hays Construction, Inc. has an open revolving line of credit available from our institution under the following terms:

Maximum Amount Available: \$4,000,000.00

We have done business with HHCI for at least 14 years and our relations have always been handled in an excellent manner. We consider HHCI a very well respected company in their field and we value our business relationship with them.

Should you need anything further, please feel free to contact the undersigned.

Very truly yours,

**PEOPLE'S UNITED EQUIPMENT FINANCE CORP.**

Michael H. King  
Vice President





**CITIBANK BANK LETTER**

Citibank, N.A  
100 Citibank Dr.  
San Antonio, TX 78245



Commercial Bank

11/15/18

To Whom It May Concern:

This is to confirm details on the following client and account(s) with Citibank, NA:

Client Name: Hal Hays Construction Inc.

Client with Citibank, NA since: Feb 2007

Average Balance: Low 7 Figures

Relationship w/ Bank: Very Good

Please contact me if you require more detailed information or have additional questions. I can be reached at 210-357-0073 or via email at [daniel1.roman@citi.com](mailto:daniel1.roman@citi.com)

Sincerely,



## Cost Control Reporting

The project dashboard touches on key performance indicators related to **safety, quality, schedule, finance, submittals, etc.** With this visualization of the project dashboard, our Project Managers and our Clients are able to look at any potential milestones that could alter the project schedule. Additionally, this tool ensures that our project delivery team remains consistent on all aspects of a project and not just what is in front of them.

Details on weekly project dashboard are demonstrated on Figure 3. This **sample dashboard** was successfully utilized for a previous CAWC project at Imperial Beach. As one may see, the client is able to visibly note the progress a project. The cash flow and billing is transparent, and any delays may be noted by the client:

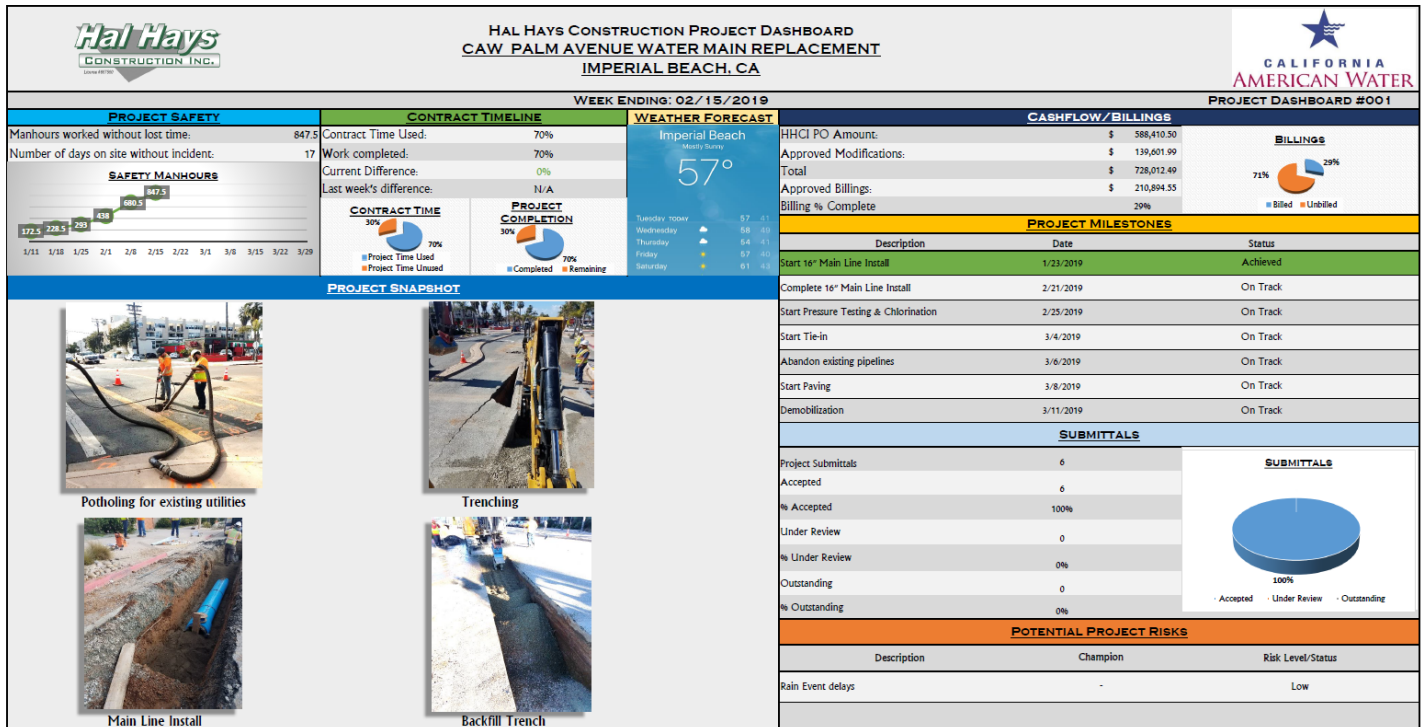


Figure 3



## Conclusion

### WHY HHCI IS ESPECIALLY QUALIFIED TO UNDERTAKE THE CONSTRUCTION OF CASTROVILLE PIPELINE PROJECT:

Founded in 1991, HHCI, an award-winning General & Civil Construction firm, offers CAWC:

- Experienced project teams representing over **1,200+ years** of expertise.
- Company experience in **Public Utility Agency projects**, including **relevant projects** with outstanding performance evaluations.
- Trained personnel in **CQC process, Cal-OSHA, OSHA, SCE Health & Safety Handbook for Contractors, Work In Energized Sites, and EM 385 1-1 Safety Programs.**
- **Exceptional, industry-leading** safety record in EMR percentage DART, and TI&IR.
- **HHCI executive management** actively involved in **project performance**, including Founder Hal Hays and CEO Kirby Hays who will be continually involved in project operations.
- **Proven OUTSTANDING or EXCEPTIONAL** project performance. HHCI's documented **past performance** evaluation ratings include: **47 Outstanding, 6 Exceptional, 2 Excellent, 48 Above Average, and 2 Very Good** performance evaluations. The firm has earned many **OUTSTANDING** ratings in the areas of Quality of Work, Timeliness of Performance/Delivery, Cooperation, Business Relations, and Customer Satisfaction/Overall.
- Self-performing crew resources including **89 crew members.**
- **Experienced pre-qualified suppliers, vendors, and union** (when required) **subcontractors.** Plus **advanced technology systems** including **SAGE 100 Contractor Contract Management software system** for contract, project, financial, and equipment management.
- In recognition of its quality work and project performance, HHCI continues to earn industry awards/recognition, such as: **SCE's 2018, 2017, 2016 and 2015 Supplier of the Year, 2016 Western Region SOTY, 2017 ENR Top California General Contractor Listing, 24 STAR NAVFAC Safety Awards, California Small Business of the Year, and multiple Top Diversity Business Awards** such as the **2017 Top Minority Contractor in the US, and the 7<sup>th</sup> Largest Native American Owned and Diversity Owned Business** in California and the Nation.
- Most recently, HHCI was awarded **2019 American Water's National Safe Contractor of the Year.** HHCI was nominated nationally by California American Water against contractors from American Water's other subsidiary companies throughout the United States and Canada.

*"[HHCI] always makes every effort to support SCE the best way they can. My personal experience with them has been **exceptional** all the way. [They are a] very **professional company** that adheres to all OSHA, EH&S rules and requirements."*

**-Eddie Villa, SCE Facility Manager**

By offering the above benefits, unique skills, and accomplishments, HHCI helps its clients achieve their missions of improving or maintaining key facility and civil and infrastructure assets. The Project Delivery Team stands ready to provide its award-winning service for this key project!

**On behalf of HHCI's leadership and dedicated employees, we thank CAWC for the opportunity to participate in the Construction of Castroville Pipeline Project, and we look forward to working with your team on this key project.**

Bid Addendum No. 1

CAW MONTEREY PENINSULA WATER SUPPLY PROJECT

BID ITEM	APPROX. QTY.	UNIT	DESCRIPTION WITH UNIT PRICE (PRICE IS INCLUSIVE OF ALL APPLICABLE TAXES, PROFIT, INSURANCE, BONDS AND OTHER OVERHEAD)	UNIT PRICE	TOTAL ITEM PRICE
1	1	ALLOW.	Pre-Construction Activities, Community Outreach & Permits	\$30,000	30,000
2	1	LS	General Overhead, Bonding and Insurance	355,000.00	355,000.00
3	1	LS	Mobilization/Demobilization	151,830.00	151,830.00
4	1	LS	Environmental Requirements, Erosion Control and SWPPP	97,328.00	97,328.00
5	4350	LF	Silt and Exclusion Fencing	5.60	24,360.00
6	1	LS	Health and Safety Compliance	13,205.00	13,205.00
7	15	Ea	Utility Potholing	31.00	4,650.00
8	1	LS	Staking/Surveying/As-Built Drawings	61,115.00	61,115.00
9	1	LS	Traffic Control	66,645.00	66,645.00
10	1	LS	Trench Shoring	89,200.00	89,200.00
11	1	LS	Trench Dewatering	83,265.00	83,265.00
12	1	LS	Jack and Bore under RR at Dole Entry	127,100.00	127,100.00
13	160	LF	Install 8" Pipeline in Steel Casing (Hwy 183)	390.00	65,400.00
14	1	LS	HDD 400 LF 8" Fused PVC under Tembladero Slough	151,480.00	151,480.00
15	9138	LF	Provide and Install 12" DI Pipe	161.20	1,473,045.60
16	8400	LF	Provide and Install 8" DI Pipe with NBR Gaskets for CCSD Portion	131.40	1,103,760.00
17	180	LF	Provide and Install 8" DI Pipe with NBR Gaskets for CAW Portion	125.00	22,500.00
18	258	EA	NBR Gaskets for about 5063 LF of 12" DI Pipe (for 20 ft sticks of pipe)	42.50	10,965.00
19	1	LS	Chain Link Fencing, Concrete Pads and Grading at 3 Meter Stations	82,387.84	82,387.84
20	1	LS	Cathodic Protection for CAW Portion Metallic Pipelines and Appurtenances Cathodic Protection System or Zinc-Coated DIP. Circle One	34,510.00	34,510.00
21	1	LS	Cathodic Protection for CCSD Portion Metallic Pipelines and Appurtenances Cathodic Protection System or Zinc-Coated DIP. Circle One	30,740.00	30,740.00
22	1	LS	Restoration of Pavement Markings	10,000.00	10,000.00
23	97	TONS	AC Pavement	495.00	48,015.00
24	1	LS	Lead Testing and Abatement for Caltrans at Hwy 183	52,325.00	52,325.00
25	4571	CY	Soil Disposal (Non-hazardous)	15.00	68,565.00
26	48400	SF	Seeding (CA Native Mix)	1.19	57,596.00
27	1	LS	Electrical and Instrumentation Testing and Startup	37,645.00	37,645.00
28	1	ALLOW.	Repair of Irrigation Lines and Drain Tiles	\$10,000	10,000.00
<b>Valves/Appurtenances</b>					
29	6	EA	Install 12" Gate Isolation Valve	5,000.00	5,000.00
30	5	EA	Install 8" Gate Isolation Valve	3,700.00	18,500.00
31	8	EA	2" Combination ARVs	12,390.00	99,120.00
32	9	EA	Pump out Blowoff Assembly	10,265.00	92,385.00
<b>CAW Lapis Road Meter Station</b>					
33	1	LS	Lapis Flow Meter in Vault	104,845.00	104,845.00
34	1	LS	Electrical and Instrumentation at Lapis FM (Solar)	107,945.00	107,945.00
<b>CAW Nashua Road Meter Station</b>					

**Bid Addendum No. 1**

**CAW MONTEREY PENINSULA WATER SUPPLY PROJECT**

35	1	LS	CSIP Tie-In (12" Tee & 12" GV & 12" x 8" reducer)	10,912.00	10,912.00
36	1	LS	8" RPP Backflow Prevention Device	21,570.00	21,570.00
37	1	LS	8" Pressure Regulating Station in Vault	145,525.00	145,525.00
38	1	LS	8" Actuated Valve in Vault	73,645.00	73,645.00
39	1	LS	Electrical and Instrumentation at CAW Nashua Road Meter Station	114,185.00	114,185.00
40	1	ALLOW.	PG&E Service at CAW Nashua Road Meter Station	\$50,000	50,000.00
41	1	LS	PLC/SCADA Programming for CAW (Lapis and Nashua)	27,605.00	27,605.00
<b>CCSD Nashua Road Meter Station</b>					
42	1	LS	8" Flow Meter in Vault	71,730.00	71,730.00
43	1	LS	Electrical and Instrumentation at CCSD Nashua Road Meter Station (Solar)	101,640.00	101,640.00
44	1	LS	PLC/SCADA Programming for CCSD	15,060.00	15,060.00
<b>Monte Road Bridge Crossing</b>					
45	2	EA	Provide and Install Welded Steel Pipe Casings in Bridge Abutments	141,316.00	282,632.00
46	3450	LB	Miscellaneous Metal (Bridge)	24.00	82,800.00
47	830	LF	12" Ductile Iron Pipe between Seismic Joints, Epoxy coated	93.50	77,605.00
48	1	LS	Erect waterline pipe hanger system (bridge)	308,610.00	308,610.00
49	2	EA	Provide and Install PC Concrete Utility Vault	50,200.00	100,400.00
50	2	EA	Provide and Install Seismic Joint in Vault	18,000.00	36,000.00
51	1	LS	Concrete Barrier 736 (Railing connection)	17,300.00	17,300.00
<b>Total</b>					<b>6,350,132.60</b>

**Alternate Bid Items**

A	3450	LB	Provide All Misc. Metals for Bridge in 316 Stainless Steel	31.00	106,950.00
B	8400	LF	Provide and Install 8" Fusible PVC Pipe for CCSD Portion	221.40	1,859,760.00

**PROPOSAL FORM 6**

**ACCEPTANCE OF THE CONTRACT**

Proposer agrees to all of the provisions of the draft Contract except as expressly provided in the track changes or redline version of the draft Contract that is attached to this Proposal Form.

HAL HAYS CONSTRUCTION, INC.

Name of Proposer

Kirby S. Hays

Name of Designated Signatory



Signature

CEO

Title