

March 22, 2017

*VIA ELECTRONIC MAIL  
AND OVERNIGHT DELIVERY*

Mr. Pete Gonda, MPA, CPPO  
Purchasing Officer  
City Hall Annex  
City of Sunnyvale  
650 West Olive Avenue  
Sunnyvale, California 94086  
pgonda@sunnyvale.ca.gov

Re: Responsive Bid Proposal Of Flatiron West, Inc.  
Project: Primary Treatment Facility Package 2 (#PW16-28)  
Bid Date: March 1, 2017

Dear Mr. Gonda:

1. Introduction

We represent Flatiron West, Inc., and this responds to your letter dated March 15, 2017, requesting the response of Flatiron by March 22, 2017. Flatiron submitted the lowest responsive bid for the above-referenced project. Further: (1) Flatiron is fully capable and qualified to perform the project; and (2) the projects listed by Flatiron in its bid show it is fully qualified and was responsive to the call for bids. For these reasons, Flatiron requests the City confirm Flatiron submitted the lowest responsive bid and award it a contract for the project.

2. The Bidding Documents And Bids Received

The City published its invitation for bids, which included Section 00460 Certification of Bidder's Experience and Qualifications. (Copy at Tab 1.) The first two paragraphs of Section 00460 included representations by each bidder that they were licensed and skilled to perform the type of work comprising the project.

In Section 00460-2, the City restrictively required each bidder to certify not only that it had completed at least \$250 million in construction volume over the last five years but also list "at least \$250 million in construction volume on no more than five (5) and not less than three (3) projects completed within the last five (5) years of the following types of projects: 1. Water/ Wastewater Treatment Plant Facility where the electrical, mechanical and instrumentation systems were part of the Contractor's contract." (Tab 1, page 00460-2 and 3, item 8/4(b).) Likely in recognition that this requirement would

restrict competition for the project, the City also included: “the Owner reserves the right to accept a Bidder’s qualifications that substantially meet the experience requirements listed above.” (Tab 1, page 00460-3, last paragraph above the 1 in the middle of the page.)

In response to questions from prospective bidders, the City issued Addendum 2 on January 25, 2017, further relaxing the above requirements and giving the City broad discretion to evaluate bidder experience and qualification to perform the project. In Addendum 2, the City stated: “[t]he City will consider deviations from the number of projects and/ or construction volume requirements, provided that the Bidder’s qualifications substantially meet the experience requirements as indicated in Specification Sections 00460 and 00461.” (Copy at Tab 2.) As detailed below, this amendment was consistent with California law regarding bidding experience/responsibility.

On March 1, 2017, the City received three bids as follows:

<b>Bid Rank</b>	<b>Contractor</b>	<b>Bid Amount</b>	<b>% Low Bidder</b>
<b>1</b>	<b>Flatiron West, Inc.</b>	<b>\$99,056,900</b>	
2	C. Overaa & Co.	\$99,438,000	0.38%
3	Kiewit Construction Co.	\$104,493,000	5.49%

Notably, the City’s Engineer’s estimate for construction cost was \$93 million, with the project being completed in 1,152 calendar days, or approximately 3.15 years at \$29 million per year. (See Addendum 4, Section 00800, 1.1, Time Allowed for Completion, and the City’s Project Estimated Budget, copies of which are at Tabs 3 and 4, respectively.) This volume of work is substantially less than the City’s request for contract history for \$250 million in work completed in the past five years, i.e., \$50 million per year, evidencing that the qualification standard used by the City is not rationally related to the project size and scope and further explaining why the City relaxed the history requirement in Addendum 2.

### 3. Flatiron Is Qualified

Flatiron is a wholly owned subsidiary of HOCHTIEF Construction AG, operating throughout North America under regional sister companies including Flatiron West, Inc., E.E. Cruz & Company and others. (A copy of Flatiron’s organization chart is enclosed at Tab 5.) E.E. Cruz was purchased by Flatiron in 2010 and Flatiron retained its key employees including those who constructed the listed projects. Flatiron continues to operate E.E. Cruz as its east coast contractor for water projects because of the name recognition, but it reports back to Flatiron, who provides the corporate resources to operate both it and Flatiron. Flatiron has successfully completed billions of dollars of public work in the United States, including California, and has many completed and ongoing water projects. (See list of completed projects and list of ongoing projects which were submitted with Flatirons’ bid for the City’s project, enclosed at Tabs 6 and 7, respectively.) These projects have included many fresh, salt and wastewater projects, and projects similar to the City’s project. A more detailed description of the water projects is enclosed at Tab 8.

Flatiron has been consistently found qualified to bid on very large water projects (projects much larger by dollar volume and complexity than this project) including the recent Sacramento Regional County Sanitation District EchoWater Project which had a contract price over \$400 million. (Flatiron's qualifications for that project are enclosed at Tab 9.) Flatiron is currently constructing the Calaveras Dam project, located in Sunol, California, with a contract value of \$552 million, with work complete as of November 30, 2016, of \$425 million. Similarly, Flatiron is pre-qualified by the San Francisco Public Utility Commission to bid on and perform local water reservoir, pump station/ tank, wastewater treatment facilities and pump stations, large diameter pressure pipelines, and regional structure retrofit projects. (See qualification approval at Tab 10.) Flatiron was also found qualified to construct the Rinconada Water Treatment Plant Reliability Improvement Project for the Santa Clara Valley Water District valued at \$180 million. (See Qualification letter and Notice of Request for Prequalification that indicates the approximate project value is \$180 million to \$200 million, enclosed at Tab 11.) Similarly, Flatiron's Project Manager for the City's project, Jason Burden, is himself perfectly suited and qualified for the project. (A copy of Mr. Burden's resume is enclosed at Tab 12.) There should be no question Flatiron is qualified to construct the City's \$99 million project.

4. Flatiron Submitted A Responsive Bid

A copy of the relevant sections of Flatiron's bid for the project are enclosed at Tab 13 (inclusive of the lists enclosed at Tabs 6 and 7). As set forth there, Flatiron listed six of the most relevant projects, as well as many other completed projects. An updated version of that list, with an added column for the actual contract acceptance date as opposed to just the substantial completion date, is enclosed at Tab 14. As shown, three of these projects were completed in the last 5 years and three others were completed in the last 7-9 years. Flatiron also listed in its bid billions of dollars of completed work, including many projects of the size and complexity of the City's project. (See Flatiron's bid-included 10-page list of projects completed in the last 10 years, a copy of which is enclosed at Tab 6; Flatiron's bid-included list of projects ongoing enclosed at Tab 7; and Flatiron's list of water specific projects both completed and ongoing enclosed at Tab 8.)

Flatiron's bid clearly states that Flatiron has completed over \$5 billion of work over the last five years. This is vastly greater than the City's requirement of over \$250 million in construction volume completed over the last five years. Further, Flatiron's listed "qualifications [] substantially meet the experience requirements" of "at least \$250 million in construction volume on more than five (5) and not less than three (3) projects completed within the last five (5) years of the following types of projects: 1. Water/Wastewater Treatment Plant Facility where the electrical, mechanical and instrumentation systems were part of the Contractor's contract" as required by City Section 00460, and as modified by Addendum 2.

Based on Flatiron's submitted bid, the only reasonable conclusion is Flatiron "substantially meet[s] the experience requirements as indicated in Specification Sections 00460 and 00461." (See Tabs 2 and 8.) As such, Flatiron's bid is responsive and the City should reach this same conclusion.

5. A Finding That Flatiron's Bid Was Non-Responsive  
Would Violate The Spirit Of Public Contract Code Section 3400

Public Contract Code section 3400, in pertinent part, states:

(b) No agency of the state, nor any political subdivision, municipal corporation, or district, nor any public officer or person charged with the letting of contracts for the construction, alteration, or repair of public works, shall draft or cause to be drafted specifications for bids, in connection with the construction, alteration, or repair of public works, (1) in a manner that limits the bidding, directly or indirectly, to any one specific concern ....

The purpose of this statute is to allow public agencies like the City to receive competitive prices for its projects.

Here, there were only three bidders, with Flatiron being the lowest. The City requested experience much greater than necessary for the project. As set forth above, the City's project is less than \$100 million with less than \$30 million being completed each year. (See Tabs 3 and 4.) This is much smaller than the request for experience for completion of \$250 million of work in the last five years and bears no rational relationship to the requirements for the City's project. If the City found Flatiron not qualified, i.e. by finding it non-responsive, then the City's bid documents would unnecessarily, and without a rational basis, have limited competition in violation of the spirit of Section 3400. For this additional reason, the City should find Flatiron's bid responsive.

6. Responsibility Determination: Due Process Hearing Requirement

Flatiron is entitled to a full due process hearing if the City does not award to Flatiron. The City-contemplated basis for rejecting Flatiron's bid is experience. By statute, the experience inquiry falls under California's definition of contractor responsibility, not bid responsiveness. Public Contract Code section 1103 defines responsibility to include experience, stating, "Responsible bidder, as used in this part, means a bidder who has demonstrated the attribute of trustworthiness, as well as quality, fitness, capacity, and experience to satisfactorily perform the public works contract." (Emphasis added.) The experience/responsibility determination "is a complex matter dependent, often, on information received outside of the bidding process and requiring, in many cases, the application of subtle judgment." (*D.H. Williams Const., Inc. v. Clovis Unified School Dist.* (2007) 146 Cal.App.4th 757, 764.) The experience provisions in the bid documents were consistent with the above law, to the extent that they called for the City to investigate, evaluate and exercise individualized judgment about a bidder's experience. When a bidder's experience is under question, California law affords the bidder an in-person due process hearing prior to any rejection of the bid. (*Id.* at p. 764 [bid rejection based on issues under the "responsibility" definition must be preceded by a due process hearing].) Accordingly, should the City not find Flatiron's bid responsive, the next step is to hold a hearing at which Flatiron may present evidence of its qualifications and respond to any challenges of its ability to successfully construct the project.



7. Conclusion

Flatiron is unequivocally qualified to construct the project. Flatiron substantially complied with the City's qualification specification. The City should find Flatiron's bid responsive and award it a contract for the project.

If the City does not find Flatiron's bid responsive, it would essentially be finding Flatiron not qualified to construct the project. Such a finding will trigger Flatiron's right to a due process hearing, which is requested if the City finds Flatiron non-responsive based on its qualifications to construct the project. We request notice of any hearing to consider award of the Project. Thank you for your consideration and please contact us with any questions.

Very truly yours,

A handwritten signature in blue ink, appearing to read "P. Randolph Finch Jr.", with a stylized flourish at the end.

P. Randolph Finch Jr.,  
Partner

Enclosures

PRF:nlh/3B17085

cc: Flatiron West, Inc. – Benicia (via email only)  
Attn: Mr. Richard Grabinski, Senior Vice President – Western Region  
Mr. Jason Burden, Area Manager – Western Region  
Flatiron West, Inc. - San Marcos  
Attn: Ms. Jannette Carter, Estimating Administrator (via email only)

Tab 1

**SECTION 00460**

**CERTIFICATION OF BIDDER'S  
EXPERIENCE AND QUALIFICATIONS**

(To Accompany Bid)

**BIDDER'S INFORMATION**

The undersigned Bidder certifies that it is, at the time of bidding, and shall be, throughout the period of the Contract, licensed under the provisions of Chapter 9, Division 3, of the Business and Professions Code of the State of California, to do the type of work contemplated in the Contract Documents. Bidder further certifies that it is skilled and regularly engaged in the general class and type of work called for in the Contract Documents.

The Bidder represents that it is competent, knowledgeable, and has special skills concerning the nature, extent, and inherent conditions concerning the work to be performed. Bidder further acknowledges that there are certain inherent conditions existent in the construction of the particular facilities which may create, during the construction program, unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that it is aware of such risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction work with respect to such hazards.

If the Bidder is a Joint Venture of two or more companies, each Principal in the Joint Venture shall meet the experience, qualification, and safety requirements, and complete the required forms, included herein as part of the bid.

The Bidder shall furnish the following information. Additional sheets shall be attached as required.

1. BIDDER'S name and street address:

Name:

Address:

2. BIDDER'S telephone No.: ( ) \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_

3. BIDDER'S Sunnyvale Business License No.: \_\_\_\_\_ BIDDER'S Tax ID No.: \_\_\_\_\_

4. TYPE OF BUSINESS

If you are an individual or partnership, so state. If you are a partnership, list the names of all general partners composing the partnership. If a corporation, list the names of president, secretary, treasurer, and manager.

Individual \_\_\_\_\_ Name(s): \_\_\_\_\_

Partnership \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Corporation _____	Names of Corporate Officers
State of Incorporation _____	President _____
	Secretary _____
	Treasurer _____
	Manager _____
Joint Venture _____	
Other _____	
(Describe)	

5. CONTRACTOR'S license: Primary Classification \_\_\_\_\_  
State License No.: \_\_\_\_\_ Expiration Date: / \_\_\_\_ / \_\_\_\_  
Supplemental license classifications: \_\_\_\_\_

6. NAME of person who inspected the site of the proposed Work for the Bidder:  
Name: \_\_\_\_\_ Date of inspection: \_\_\_\_\_

7. CONTRACTOR'S Department of Industrial Relations (DIR) Registration No. \_\_\_\_\_  
and email address \_\_\_\_\_

8. BIDDER'S EXPERIENCE

1. Bidder has been doing business under its present name for years.
2. Bidder has experience in work comparable in type and complexity with that required under the proposed contract which extends over a period of years as a General Contractor (Bidder must show at least five (5) years of related experience).
3. The Bidder, as a Contractor, has never failed to satisfactorily complete a contract awarded to it, except as follows:  
\_\_\_\_\_  
\_\_\_\_\_
4. Bidder must meet both criteria "a" and "b" below.
  - a. For the Owner to consider the Bidder to possess the proper capacity to perform work of similar nature to this project, the bidder must have completed at least \$250 million in construction volume over the past 5 years. Does the bidder meet this criteria: \_\_\_\_ yes; \_\_\_\_ no?
  - b. For the Owner to consider the Bidder properly experienced in work of similar nature to this project, the Bidder must list at least \$250 million in construction volume on no more than five (5) and not less than three (3) projects completed within the last five (5) years of the following types of projects:

CERTIFICATION OF BIDDER'S  
EXPERIENCE AND QUALIFICATIONS

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1. Water / Wastewater Treatment Plant Facility where the electrical, mechanical and instrumentation systems were part of the Contractor's contract.

The Bidder can include project(s) currently under construction, but only the total amount paid by the Owner(s) as of three (3) months prior to the bid date on uncompleted project(s) can be included in the construction volume for purposes of this certification.

Bidder also certifies that Bidder self-performed at least fifty percent (50%) of the Work on each of the projects listed below.

If the Bidder is a Joint Venture of two or more companies, each Principal in the Joint Venture must list the experience and qualification requirements, and complete the required forms, included herein as part of the bid.

However, the Owner reserves the right to exclude any projects listed below that do not demonstrate the Contractor's ability to perform the work associated with this Project. Further, the Owner reserves the right to accept a Bidder's qualifications that substantially meet the experience requirements listed above.

1. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of Project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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3. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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4. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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5. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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**Bidder shall sign under penalty of perjury that all the information  
provided in this information sheet is true and correct.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

## STATEMENT OF QUALIFICATIONS

Bidder shall complete this entire Statement of Qualifications questionnaire and submit it to City at the time of bid, in accordance with Section 00100, **INSTRUCTION TO BIDDERS**. Failure to complete the questionnaire or inclusion of any false statement is grounds for immediate disqualification. The City reserves the right to waive minor irregularities, inconsequential deviations and to make all final determinations. The City will evaluate the information contained in each applicant's questionnaire and responses received in reference checks. The sole and discretionary judgment of the City will determine if the Contractor is deemed qualified.

### 1. CONTACT INFORMATION

Company Name: \_\_\_\_\_

Form of Company:    ☐ Sole Proprietor    ☐ Partnership    ☐ Non-Profit 501 C3  
                                 ☐ Corporation    ☐ other (please attach explanation)

Owner of Company: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Federal Tax I.D. No. \_\_\_\_\_

### PART A: GENERAL INFORMATION

Complete Part A before proceeding to Part B.

1. Contractor possesses a valid and current California Contractor's "A" license for the work proposed. Yes No ☐
2. Contractor will comply with and provide all insurance as defined in Section 00800-2.0, Liability and Insurance. Yes No ☐
3. Contractor's license has been revoked at any time in the last five (5) years. Yes No ☐
4. Contractor has been "default terminated" by an owner (not for convenience), or a Surety has completed a contract for Contractor within the last five (5) years. Yes No ☐

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5. Contractor has been cited more than twice for failure to pay prevailing wages in the last five (5) years. Yes No \_
6. Contractor has current Workers' Compensation insurance coverage as required by the Labor Code or is legally self-insured pursuant to Labor Code section 3700 et. seq. Yes No \_
7. At the time of submitting this qualification form, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either Labor Code section 1777.1 or Labor Code section 1777.7? Yes No \_
8. At any time during the last five (5) years, has your firm, or any of its owners or officers been convicted of a crime involving the awarding of a contract of a government construction project, or the bidding or performance of a government contract? Yes No \_

**Contractor will be immediately disqualified if any answer to questions 1, 2, or 6 is No. Contractor will be immediately disqualified if any answer to question 3, 7, or 8 is Yes. Contractor may be immediately disqualified if the answer to questions 4 or 5 is Yes. At a minimum to avoid such disqualification, Contractor must include with this Questionnaire a full description of the applicable circumstance and sufficient information to permit City to evaluate Contractor's overall qualifications to perform the work. City retains sole discretion to disqualify any Contractor who answers yes to either question 4 or 5.**

## **PART B: SAFETY, PREVAILING WAGE, DISPUTES AND BONDS**

### **(Safety)**

1. Has CAL OSHA, Federal OSHA, the EPA or any Air Quality Management District cited your firm in the past five (5) years? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, attach description of each citation.

### **(Prevailing Wage Provisions)**

2. Has your firm been fined, penalized or otherwise found to have violated any prevailing wage or \_\_\_\_\_ labor code provision? If yes, attach description of each fine/penalty. Yes \_\_\_\_\_ No \_\_\_\_\_

### **(License Provisions)**

3. Has your company changed names or license numbers in the past 10 years? If so, please state reason for change. Yes \_\_\_\_\_ No \_\_\_\_\_  
Reason \_\_\_\_\_

**(Disputes)**

4. Has your firm had any claims, litigation, or disputes ending in mediation or arbitration, or termination for cause associated with any project in the past five (5) years? If yes, attach description of each such instance including details of total claim amount, settlement amount, and owner's name and phone number.

Yes \_\_\_\_\_ No \_\_\_\_\_

**PART C: FINANCIAL AND OTHER INFORMATION**

**To be submitted by the low bidder within five (5) working days following the bid opening date.**

1. Has your firm ever reorganized under the protection of the bankruptcy laws?  
Yes \_\_\_\_\_ No \_\_\_\_\_
2. Have you ever had insurance terminated by a carrier? Yes \_\_\_\_\_ No \_\_\_\_\_  
If yes, explain on separate signed sheet.

Contractor shall sign under penalty of perjury that all the information provided in this questionnaire is true and correct. Contractor's signature authorizes the City and its agents and representatives, to obtain a credit report and/or verify any of the above information

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

Provide evidence that the Bidder has sufficient financial resources to provide all work necessary to complete the project including construction, start-up, and warranty services.

A. Bidder must provide one or more of the following to assist the Owner in determining the Bidder's financial condition:

1. Copy of a reviewed or audited financial statement with accompanying notes and supplemental information. A financial statement that is not either reviewed or audited is not acceptable.
2. A certified Credit Report, current within 30 days of the date proposals are due. This credit report shall show a Dun & Bradstreet, or equal, credit risk category rating.
3. A letter from the Bidder's bank certifying their opinion of the Bidder's credit risk category rating and Bidder's current available line of credit.

B. Bidder must provide a letter from its Surety or Surety Broker which certifies that Bidder's current bonding capacity is sufficient for the bonding requirements for this Project.

**CERTIFICATION OF BIDDER'S  
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C. Bidder shall identify any claims filed in court or arbitration against Bidder in the past five years which concerned Bidder's work on a construction project. For each claim, if any, the Bidder shall provide the project name, date of the claim, name of the claimant, a brief description of the nature of the claim, the court in which the case was filed and a brief description of the status of the claim (pending or, if resolved, a brief description of the resolution). Are there any pending claims against your company that should you lose the claim(s), would adversely affect your financial position or your ability to meet your obligations if awarded the contract for this project? If so, please explain.

**Claims Filed Against Bidder**

Project Name: \_\_\_\_\_

Date of Claim: \_\_\_\_\_

Claimant Name: \_\_\_\_\_

Court: \_\_\_\_\_

Status of Claim: \_\_\_\_\_

Explanation: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Bidder shall also identify any claims filed in court or arbitration by Bidder against a project owner in the past five years concerning work on a project or payment for a contract. For each claim, if any, the Bidder shall provide the project name, date of the claim, a brief description of the nature of the claim, the court in which the case was filed and a brief description of the status of the claim (pending or, if resolved, a brief description of the resolution). Are there any pending claims filed by your company against a project owner that should you lose the claim(s), would adversely affect your financial position or your ability to meet your obligations if awarded the contract for this project? If so, please explain.

**Claims Filed By Bidder**

Project Name: \_\_\_\_\_

Date of Claim: \_\_\_\_\_

Claimant Name: \_\_\_\_\_

Court: \_\_\_\_\_

Status of Claim: \_\_\_\_\_

Explanation: \_\_\_\_\_

**CERTIFICATION OF BIDDER'S  
EXPERIENCE AND QUALIFICATIONS**

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All financial information provided by Bidder that is marked "Confidential" or "Proprietary" shall be handled by the Owner in accordance with Section 00700- 4.5.10, Public Records Act.

**The undersigned hereby states under penalty of perjury that all representations regarding the Bidder's Company Experience, and Safety Qualification Information are correct and true.**

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Bidder's Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title of Signatory

#### **PART D: CONTRACTOR SAFETY RECORD**

The City of Sunnyvale (Owner) Water Pollution Control Plant (WPCP) has a gas chlorine disinfection process, which is classified as a covered process regulated by CCR Title 19 Section 2745.1, "California Accidental Release Prevention (CalARP) Program and 40 CFR Part 68.150 "Risk Management Programs for Chemical Accidental Release Prevention". As such, part of the determination of bidder's responsiveness will be based on its safety record, using three methods. For the Bidder's bid to be considered, the Bidder shall meet at least two of the three minimum safety standards as specified herein. If the Bidder is a Joint Venture of two or more companies, each Principal in the Joint Venture shall meet the safety requirements, and complete the required forms, included herein as part of the bid.

**1. Experience Modification (EMR)**

- a. Experience modification rates are calculated by the insurance industry as a way to determine equitable workers' compensation insurance premiums. It is calculated as a three-year moving average.
- b. Due to the particular safety hazards inherent in working in a wastewater collection, handling, treatment and/or disposal environment, the Owner has deemed it necessary that a Bidder shall have a current three-year average EMR of 1 or lower to be considered a responsive Bidder.

2. Recordable Incident Rate (RIR)

- a. The RIR is a measure of the frequency of injuries and is a measure of all occupational injuries and illnesses that occur within an organization. It is calculated from the OSHA Log 300 form.
- b. Due to the particular safety hazards inherent in working in a wastewater collection, handling, treatment and/or disposal environment, the Owner has deemed it necessary that a Bidder shall have a current three-year average RIR of 3.4 or lower to be considered a responsive Bidder. This value is based on the most recent State of California RIR value for Heavy and Civil Engineering Construction, Utility System Construction.

3. Lost Time Incident Rate (LTIR)

- a. The LTIR is an indicator of the severity of a company's occupational injuries.
- b. The LTIR deals only with incidents that result in lost work time. Like the RIR, the information needed to calculate the LTIR is derived from the OSHA Log 300 form.
- c. Due to the particular safety hazards inherent in working in a wastewater collection, handling, treatment and/or disposal environment, the Owner has deemed it necessary that a Bidder shall have a current three-year average LTIR of 0.9 or lower to be considered a responsive Bidder. This value is based on the most recent State of California LTIR value for Heavy and Civil Engineering Construction, Utility System Construction.

Bidder shall submit the appropriate EMR, RIR, and LTIR proposal forms included following this section as part of the bid to demonstrate the Bidder's safety qualifications.

**\*\*\*END OF SECTION\*\*\***

### Experience Modification Rate

The following information will be used to determine if you meet the minimum safety requirements for this project. To qualify, you must not have a three-year average Workers' Compensation Experience Modification Rate less than or equal to the value specified.

Enter your Experience Modification Rate for the last three complete years (available from your insurance carrier).

20 \_\_\_\_\_ EMR= \_\_\_\_\_

20 \_\_\_\_\_ EMR= \_\_\_\_\_

20 \_\_\_\_\_ EMR= \_\_\_\_\_

a) Three-Year Average =

\_\_\_\_\_

Company Name:

Contact Name: \_\_\_\_\_ Telephone:

To verify the above information, we will contact your workers' compensation insurance carrier. Please authorize your carrier to release this information. Failure to do so will result in automatic disqualification.

Workers' Compensation Insurance Company: .

Contact Name: \_\_\_\_\_ Telephone:

Do not write in this space

Qualified [ ]

Not Qualified [ ]

EMR Information Verified [ ]

### Recordable Incident Rate

The following information will be used to determine if you meet the minimum safety requirements for this project. To qualify, you must have a three-year average Recordable Incident Rate less than or equal to the value specified.

Please calculate the RIR for the last three complete years as follows. Incident rate information is on your Cal OSHA Log 300.

$$\frac{\text{Total number of recordable incidents} \times 200,000}{\text{Total employees hours worked}} = \text{RIR}$$

Recordable Incidents	
Year	Number
201	_____
20	_____
201	_____

Total Employee Hours Worked	
Year	Hours
20	_____
20	_____
20	_____

Enter your Total Recordable Incident Rate for each of the last three complete years.

20 \_\_\_\_\_ RIR= \_\_\_\_\_  
20 \_\_\_\_\_ RIR= \_\_\_\_\_  
20 \_\_\_\_\_ RIR= \_\_\_\_\_

Three-Year Average =

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Do not write in this space

Qualified [ ]

Not Qualified [ ]

RIR Information Verified [ ]



### Lost Time Incident Rate

The following information will be used to determine if you meet the minimum safety requirements for this project. To qualify, you must not have a three-year average Lost Time Incident Rate less than or equal to the value specified.

Incident rate information is on your OSHA Log 300. Please calculate the LTIR for the last three complete years as follows.

Total number of lost-time incidents X

Lost-time Incidents		
Year	Number	
201	_____	_____
201	_____	_____
201	_____	_____

Total Employee Hours Worked		
Year	Hours	
201	_____	_____
201	_____	_____
201	_____	_____

Enter your Lost Time Incident Rate for each of the last three complete years.

201 \_\_\_\_\_ LTIR=\_\_\_\_\_

201 \_\_\_\_\_ LTIR=\_\_\_\_\_

201 \_\_\_\_\_ LTIR=\_\_\_\_\_

Three-Year Average =

\_\_\_\_\_

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Do not write in this space

Qualified [ ]

Not Qualified [ ]

LTIR Information Verified [ ]



# Tab 2



## **CITY OF SUNNYVALE**

### **Addendum No. 2**

**DATE ISSUED ON January 25, 2017**

**Invitation for Bids No. PW 16-28**

**Project Name: Primary Treatment Facility Package 2**

**Public Works Project No. UY-16/01-20**

The above-referenced bid invitation is modified, as follows:

#### **1. Answers to Contractors Questions**

The City has received multiple requests to list additional manufacturers in the technical specifications. General contractors may propose alternate, "or-equal" manufacturers in accordance with Section 00450 **SCHEDULE OF MAJOR EQUIPMENT AND MATERIAL SUPPLIERS, PRODUCTS IDENTIFIED BY NAME AND SUBSTITUTION** and Section 01340 **SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES**. The technical specifications will not be altered to add additional manufacturers.

The City has received a number of requests to modify the experience requirements for the Contractor and Electrical Subcontractor contained in **Specification Section 00460, CERTIFICATION OF BIDDER'S EXPERIENCE AND QUALIFICATIONS**, and **Specification Section 00461, CERTIFICATION OF ELECTRICAL SUBCONTRACTOR'S EXPERIENCE AND QUALIFICATIONS**.

The City prefers Contractors and Electrical Subcontractors whose experience meets the requirements as established in the bid specifications. However, the City will consider deviations from the number of projects and/or construction volume requirements, provided that the Bidder's qualifications *substantially meet the experience requirements as indicated in Specification Sections 00460 and 00461*. With regard to the number of projects completed within the stated timeframe of five (5) years, the City will consider dates of "substantial" and/or "final" completion.

# Tab 3

## SECTION 00800

### SUPPLEMENTARY GENERAL CONDITIONS

#### 1.0 MODIFICATIONS TO THE GENERAL CONDITIONS

##### 1.1 Time Allowed for Completion

In accordance with the provisions of Section 00700-6.1~~2~~, Commencement of Work, Notice to Proceed for preliminary work will be issued. With the issuance of this Notice to Proceed, the Contractor shall commence with the administrative requirements of the Contract and may commence with the implementation of SWPPP measures specified in Section 01060-3.0, **STORM WATER CONTROLS**, the installation of temporary construction fencing, and the work detailed in Section 02910, **HABITAT MITIGATION SITE DESIGN, INSTALLATION AND MAINTENANCE**. No other construction work may commence until the Notice to Proceed with Construction and Mobilization detailed below is issued. The following milestone shall be substantially completed within the time period defined below. ~~Contract Time, Substantial Completion of this Project shall be completed within one thousand two hundred forty (1,240) consecutive calendar days from the date established in the Notice to Proceed for the commencement of Contract Time. In addition, the following milestones shall be substantially completed within the time period defined below. Early occupancy of these milestones shall be as provided in Section 01010-3.0, **EARLY OCCUPANCY OF PORTIONS OF WORK**.~~<sup>AD4</sup>

#### Substantial Completion

Milestone A: Habitat Mitigation

No later than December 31, 2017

~~Milestone B: Process Operational Testing~~ ~~1,045 Days~~<sup>AD4</sup>

The Construction Manager will issue a second Notice to Proceed titled a "Notice to Proceed with Construction and Mobilization" after the site preconsolidation has been achieved as detailed in Section 01010-2.4.1.4, Site Preconsolidation. The Contractor may then proceed to mobilize on-site and commence all other construction activities required by the Contract. ~~The only field construction work allowed to occur prior to the issuance of this Notice to Proceed is the implementation of SWPPP measures specified in Section 01060-3.0, **STORM WATER CONTROLS**, the installation of temporary construction fencing, and the work detailed in Section 02910, **HABITAT MITIGATION SITE DESIGN, INSTALLATION AND MAINTENANCE**.~~<sup>AD4</sup>

Substantial Completion of the Project shall be completed within one thousand one hundred and fifty-two (1,152) consecutive calendar days from the date established in the Notice to Proceed with Construction and Mobilization. The following milestone shall be substantially completed within the time period defined below from the Notice to Proceed with Construction and Mobilization.<sup>AD4</sup>

#### Substantial Completion

Milestone B: Process Operational Testing

958 Calendar Days<sup>AD4</sup>

The Contract requirements to achieve Substantial Completion for the Project Substantial Completion and the Milestones are defined in Section 00800-5.0, **SUBSTANTIAL**

# Tab 4



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## Bid Details

### Bid Information

<b>Agency</b>	City of Sunnyvale
<b>Bid Type</b>	Invitation for Bids
<b>Bid Number</b>	IFB-PW16-28-0-2017/PG
<b>Fiscal Year</b>	2017
<b>Bid Writer</b>	Peter Gonda, CPPO
<b>Bid Name</b>	PRIMARY TREATMENT FACILITY PACKAGE 2
<b>Bid Status</b>	Under Evaluation
<b>Bid Status Text</b>	None
<b>Award To</b>	
<b>Due Date/Time</b>	3/1/2017 3:00 PM Pacific
<b>Broadcast Date</b>	12/21/2016
<b>Bid Bond</b>	10% of the total bid dollar amount
<b>Project Estimated Budget</b>	\$93,869,000.00
<b>Plan (blueprint) Distribution Options</b>	Electronic plan documents
<b>Distribution Method</b>	Download and Mail
<b>Distributed By</b>	Onvia DemandStar
<b>Distribution Notes</b>	None
<b>Scope of Work</b>	<p>SEALED BIDS will be received by the City of Sunnyvale at the Purchasing Division, 650 West Olive Avenue, Sunnyvale, California 94086, until 3:00 p.m., Wednesday, February 8, 2017 at which time they will be publicly opened in the City Hall Annex, 650 West Olive Avenue, Sunnyvale, California, and read for performing work as follows:</p> <p>Furnishing all labor, materials, and equipment and performing all work necessary and incidental to the completion of the project known as "Primary Treatment Facility – Package 2, Project No. UY-16/01-20" consisting of site work, new building construction, existing facility modification/demolition, installation of major process equipment, electrical/instrumentation/ control system improvements, and related systems and facilities according to Plans and Specifications prepared by the City of Sunnyvale and according to the Contract Documents.</p> <p>Pursuant to the provisions of the California Labor Code Section 6707, if applicable to this job, each bid submitted in response to this Notice Inviting Bids shall contain, as a bid item, adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life and limb in trenches and open excavation, which shall conform to applicable safety orders.</p> <p>Pursuant to Public Contract Code Section 22300, for monies earned by the Contractor and withheld by the City of Sunnyvale to ensure the performance of the contract, the Contractor may, at his or her option, choose to substitute securities meeting the requirements of Section 22300.</p> <p>To be considered, bidders must meet the following requirements:</p> <ul style="list-style-type: none"> <li>• In accordance with the provisions of California Public Contract Code Section 3300, Contractor shall possess, as a minimum, a valid California Class "A" General Contractor license. In accordance with the provisions of California Business and Professions Code Section 7028.15, a bid submitted to the City by a Contractor who is not licensed in accordance with Chapter 9 of the California Business and Professions Code shall be considered non-responsive and shall be rejected by the City.</li> <li>• Perform with their own organizations work amounting to at least 50% of the contract price, except specialty items.</li> <li>• Have completed at least three (3) projects of similar type and complexity within the last five (5) years with at least \$250 million in construction volume.</li> <li>• Meet the experience requirements specified in Section 00460, CERTIFICATION OF BIDDER'S EXPERIENCE AND QUALIFICATIONS and Section 00461, CERTIFICATION OF ELECTRICAL SUBCONTRACTOR'S</li> </ul>

## EXPERIENCE AND QUALIFICATIONS.

- Other mandatory bid requirements set forth in the bid documents.

Bidders are hereby notified that if the project is financed by or with the assistance of agencies of the United States, the Contractor must comply with Federal prevailing wage requirements. A copy of the current prevailing rates under Federal law are included in Section 00900, STATE REVOLVING FUND PROGRAM SUPPLEMENTARY CONDITIONS, for this Project and are available on-line at [www.wdol.gov](http://www.wdol.gov).

**E-Bidding** No

## Legal Ad

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## Pre-Bid Conference

**MANDATORY PRE-BID CONFERENCE**

Thursday, January 19, 2017

10:00 AM

Water Pollution Control Plant Training Room

1444 Borregas Avenue, Sunnyvale, CA 94089

**OPTIONAL PRE-BID CONFERENCE**

Tuesday, January 24, 2017 at 10:00 AM and 11:00 AM

## Publications

The Sun 12/16/2016

## Documents

[VIEW](#)

**Bid Package** There are 40 Documents Associated with this Bid

**Award** **Major Equipment Suppliers by Bidder** (2 Pages, Complete)

## Commodity Codes

**022-909-26** - Building Construction, Agricultural

**022-909-30** - Building Construction, (Not Otherwise Classified)

**022-909-77** - Special Construction: Observatory, Security, Special Rooms, etc.

**022-913-16** - Construction, Communication Equipment, Including Antenna Towers

**022-913-59** - Construction and Upgrades, Wastewater Treatment Plant

**022-913-60** - Construction, Water System, Plants, Main and Service Line

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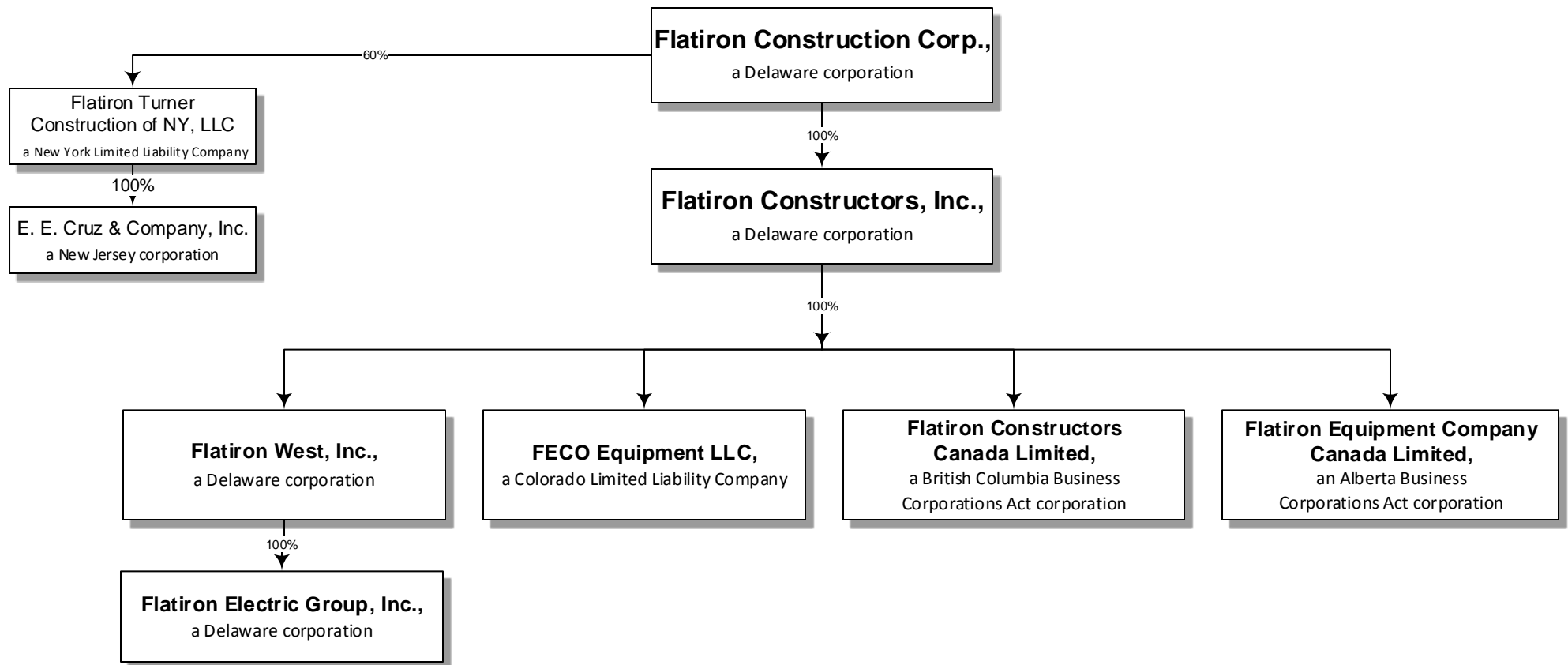
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# Tab 5





## Legal Entity Structure January 1, 2016



# Tab 6

**Flatiron - Additional Completed Projects - Past 10 Years**

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
2043	VTA Route 152 Phase B	C06003	Santa Clara Valley Transportation Authority 3331 North First Building B San Jose, CA 95134	Trace Bonney (408) 321-5640 trace.bonney@vta.org	Widen Route 152 and Existing Llagas Creek Bridge	Apr-06	Jan-07	\$1,783,735	\$1,837,865	Prime
3047	Resurface Runway 09-27	CIP 4024	San Diego County Regional Airport Authority 2320 Stillwater Road San Diego International Airport San Diego, CA 92138	Ellen Brundages (619) 400-2632 ebrundages@san.org	Resurface runway.	Jul-06	Jan-07	\$11,746,788	\$11,746,788	Prime
3021	Judicial Drive Undercrossing	N/A	Makallon La Jolla Properties, LLC 4100 MacArthur Blvd, Suite 200 Newport Beach, CA 92660	Jeff LaRosa (949) 255-1100	Construction of Judicial Drive Undercrossing and La Jolla Village Drive improvements.	Nov-04	Feb-07	\$6,672,005	\$6,882,851	Prime
3030	Emergency Job 11-SD-Route 8(PM) 15.3 - 16.5	Contract 11A1196	CALTRANS 1727 30th Street, 4th Fl, FM III, MS 67 Sacramento, CA 95816	Mendy Evans (916) 227-6000 mendy.evans@dot.ca.gov	Grind and pave A/C slab and replacement.	Jun-05	Feb-07	\$1,900,000	\$1,369,642	Prime
2031	Route 152 Widening	Contract No. 04069	Santa Clara Valley Transportation Authority 3331 North First Building B San Jose, CA 95134	Trace Bonney (408) 321-5640 trace.bonney@vta.org	Widen Rte-152 to 4-lanes, and widen Llagos Creek Bridge. Demo bridge, place CSS pile, build flat slab superstructure, complete Channel work, complete roadway tie in.	Mar-05	Mar-07	\$4,165,881	\$4,497,943	Prime
3008	Construction of La Jolla Cove Wall Replacement and Bluff Improvements	K04497	City of San Diego 1010 Second Avenue, Suite 1200 San Diego, CA 92101-4905	Brad Johnson (619) 533-3770 Bjohnson@sandiego.gov	Replace existing tieback wall, stabilize slope, new sidewalk and storm drain.	Feb-04	Apr-07	\$849,108	\$902,184	Prime
2048	MacArthur Maze Emergency Repair	N/A	American Civil Constructors	Kimberly Wise (707) 746-8028	Emergency Falsework and Bridge Jacking	Jun-07	Jun-07	Extra Work Force Account	\$412,309	Subcontract
3028	Route 15 at 56/15 Separation	11-080934	CALTRANS 2829 Juan Street San Diego, CA 92186-5406	Victor Cardenas (619) 688-3640 victor.cardenas@dot.ca.go	Construct managed lanes.	May-05	Aug-07	\$32,221,554	\$37,509,267	Prime
3032	Newport Ave Extension / SR-55 Ramp Configuration and Edinger Ramp Widening	CIP No's 7130, 7147, 2585	City of Tustin 300 Centennial Way Tustin, CA 92780	Gary Tomasetti (714) 412-2262 gary.tomasetti@jacobs.com	Modify freeway on-ramps and off-ramps; realign Newport Avenue.	Aug-05	Aug-07	\$22,108,000	\$33,515,339	Prime
3024	Cal State Sprinter San Marcos Loop	IFB No.04046	NCTD 810 Mission Avenue Oceanside, CA 92054	Steve Hoyle (760) 518-8715 SHO@sandag.org	Construction of new railroad alignment, retaining walls and 5 CIP concrete bridges.	Feb-05	Sep-07	\$24,359,013	\$26,034,719	JV w/Fluor Enterprises
3059	RSC at I-5/I-805/State Route 56	11-0301U4	Skanska USA Civil West California District Inc. 1995 Agua Mansa Road Riverside, CA 92509-2405	Irene Rumbaugh (951) 684-5360 irene.rumbaugh@skanska.com	Rapid set concrete.	Aug-07	Sep-07	\$1,640,000	\$1,640,000	Sub
3033	UCSD Test Abutment	10250440	University of California, San Diego 9500 Gilman Avenue La Jolla, CA 92093	James Batti (858) 864-8928	Test abutment	Jun-05	Sep-07	\$54,000	\$361,332	Prime
3055	Via de la Valle Ramp	LB0701-05	LB Civil Construction, Inc. 10650 Treena Street, Suite 212 San Diego, CA 92131	James Lumm (858) 578-5222 jlumm@lbcivil.com	Concrete paving and associated joint seals.	Jun-07	Sep-07	\$474,463	\$474,463	Sub
2041	Route 99 Improvements near Tulare	06-490204	CALTRANS 505 N. St. Fresno, CA 93721	Shelly Maggard (559) 651-8319 shelly.maggard@dot.ca.gov	Remove existing bridge and off-ramp	Apr-06	Oct-07	\$2,722,531	\$3,065,626	Prime
3053	Lake Hodges Bicycle / Pedestrian Bridge - Phase I (South Abutment Only)	N/A	San Dieguito River Park Authority 18372 Sycamore Creek Rd. Escondido, CA 92025	Susan Carter (858) 674-2270 susan@sdrp.org	Construct south shore abutment for Lake Hodges Pedestrian Bridge.	Feb-07	Oct-07	\$2,071,523	\$2,071,523	Prime
3057	Coyote Wash Bridge Repairs (Emergency Contract)	11A1506	CALTRANS Division of Procurement & Contracts 4050 Taylor Street, MS-221 San Diego, CA 92110	Dave Pound (858) 829-5035 dave.pound@dot.ca.gov	Rebuild bridge bent at the South Fork Coyote Wash Bridge.	Jun-07	Oct-07	\$372,000	\$372,000	Prime
2037	Terminal Upper Level Viaduct Improvement	No. 3560A	City and County of San Francisco, acting by and through it's Airport Commission	Hassan Nowroozi (650) 821-5997 hassan.nowroozi@flysfo.com	Retrofit and Strengthening of terminal viaduct system. Repaving of all terminal access beneath viaduct. Replace lighting fixtures and related. Asbestos removal.	Jul-05	Nov-07	\$17,448,829	\$16,843,995	Prime

**Flatiron - Additional Completed Projects - Past 10 Years**

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3041	Santa Ana Second Main Track	C3074-06	Southern California Regional Rail Authority 700 S. Flower St., 26th Floor Los Angeles, CA 90017	Lia McNeil-Kakaris (213) 452-0237 mcneilkakarisl@scrra.net	Addition of second main track within existing right of way through construction of retaining walls and street improvements.	May-06	Nov-07	\$14,855,036	\$14,855,036	Prime
2050	Benicia Parking Lot Improvmeents	DTMA4C07001	US DOT Maritime Division	Debra Valmere (415) 744-4140	Reconstruct existing parking lot. Build slurry cutoff wall. Upgrade the pavement, lighting, storage facilities	Jul-08	Dec-07	\$2,234,183	\$2,287,018	Prime
3018	Sprinter Mainline Construction	IFB No. 04049	NCTD 810 Mission Avenue Oceanside, CA 92054	Steve Hoyle (760) 518-8715 SHO@sandag.org	Construct 22 miles of new rail and 14 stations with existing rail corridor.	Sep-04	Dec-07	\$187,185,783	\$239,541,381	JV w/Fluor Enterprises
3062	Route 15 Emergency Repairs	EA#293804	CALTRANS Division of Procurement & Contracts 4050 Taylor Street, MS-221	Dave Pound (858) 829-5035 dave.pound@dot.ca.gov	Repair damages caused by fires.	Oct-07	Dec-07	\$900,563	\$886,438	Prime
2036	State Route 4 Bypass, Laurel Road Extension, Lindsey Basin and Lindsey Channel	Contract Nos. 4660-6X4450, 4660-6X4374 and 4660-6X4451	State Route 4 Bypass Authority 255 Glacier Dr. Martinez, CA 94553	Dale Dennis (925) 595-4587	Construct State Hwy 4 Bypass from Lone Tree Way to existing Hwy 4 including Underground Utilities, 5 Box-Girder bridges, Grading, Roadway Surfacing and Electrical .	Jul-05	Jan-08	\$58,517,511	\$59,653,204	JV/ DeSilva Gates Construction
2047	Bethel Island Sheetpile Shoring	N/A	Top Grade Construction	Bill Madinas (925) 449-5764	Install/Remove 5500 l.f. of Sheetpile Shoring	Apr-07	Jan-08	\$2,425,600	\$2,801,836	Subcontract
2034	Route 99 Widening and Hammer Lane Interchange	Contract No. 04-16	DeSilva Gates Construction 11555 Dublin Blvd. Dublin, CA 94568	Mike Kloos (925) 829-9220	Build cast-in-place box girder bridge over Rte 99, wideing 4 steel girder bridges and one concrete T-beam bridge. Constructing retaining walls, sound walls, and drainage system.	Apr-05	Feb-08	\$13,975,296	\$16,063,066	Subcontract
2039	Route 99 Improvements and Widening near Kingsburg and Selma	06-350704	CALTRANS 1352 W. Olive Ave. Fresno, CA 93728	John Woods (559) 243-8391 john.woods@dot.ca.gov	Widen and Rehabilitate Freeway, Widen 5 Bridges, PCC Slab Replacement, PCC Paving	Nov-05	Feb-08	\$57,672,520	\$59,689,791	Prime
1020	San Francico-Oakland Bay Bridge Skyway	04-012024	CALTRANS 111 Grand Avenue Oakland, CA 94612	Doug Coe (510) 622-5101 doug.coe@dot.ca.gov	Construct two precast segmental bridges that will connect a future Self-Anchored Suspension (SAS) span with the city of Oakland.	Jan-01	Mar-08	\$1,043,541,000	\$1,188,978,022	Joint Venture Kiewit FCI Manson
3050	Camino del Norte Widening	421110	NCC, L.P. 10815 Rancho Bernardo Rd., Ste 310 San Diego, CA 92127	Gregor Connors (858) 674-1300	Roadway construction, concrete structures, roadway excavation, earthwork & masonry walls	Aug-06	Apr-08	\$11,566,857	\$11,572,782	Prime
3058	Lake Hodges Bicycle / Pedestrian Bridge - Phase 2	N/A	San Dieguito River Park Authority 18372 Sycamore Creek Rd. Escondido, CA 92025	Susan Carter (858) 674-2270 susan@sdrp.org	Construction of a three-span, prestressed concrete stress ribbon bridge structure, approximately 990 feet long consisting of precast concrete deck panels.	Aug-07	Jun-08	\$6,679,275	\$6,677,289	Prime
2049	Emergency Levee Repairs	07-RM75.1-01	Reclamation District 1000	Gene Russel (916) 922-1449	Emergency Levee Repair	Aug-07	Oct-08	\$1,865,961	\$2,433,827	Prime
3049	Pacific Street Bridge over San Luis Rey River	501.737556	City of Oceanside 300 North Coast Highway Oceanside, CA 92054	David Toschak (760) 801-0738 dtoschak@ci.oceanside.ca.us	Construction of four span cast in place concrete box girder bridge across San Luis Rey River	Sep-06	Oct-08	\$18,918,319	\$18,850,536	Prime
2055	Hwy 99 at Ave 12 N/B Offramp Widen	06-0C5204	California Dept. Of Transportation (Caltrans) 505 N St. Fresno, CA 93721	Alan Vong (559) 243-3856 alan.vong@dot.ca.gov	Widen NB offramp, Remove and Replace Existing Concrete Barriers and Install New Signal Light at Intersection of NB offramp and Avenue 12	Nov-07	Dec-08	\$1,108,201	\$1,172,437	Prime
3060	I-15 Interim Rapid Bus Transit Stations	BUS-1201505	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Ralph Tharp (619) 699-1900 rth@sandag.org	Construction of interim rapid bus transit stations.	Nov-07	Dec-08	\$14,922,296	\$18,624,723	Prime
2040	Route 70,149 Improvements in Butte County near Oroville	03-3822V4	CALTRANS 703 B St. Marysville, CA 95901	Steve Harvey (530) 533-4164 (530) 218-8963 steve.harvey@dot.ca.gov	Construction of (10) new bridges on CIDH pile foundations, install drainage systems (storm water). Roadwork, widening, and related.	Jan-06	Jan-09	\$81,784,984	\$86,454,560	JV/Granite Construction
3017	Route 15 Camino del Norte to Rancho Bernardo	11-080914	CALTRANS 4050 Taylor Street San Diego, CA 92110	Paul Hsu (619) 688-3157 paul.y.hsu@dot.ca.gov	Construct managed lanes.	Sep-04	Mar-09	\$67,837,529	\$80,253,112	JV w/Balfour Beatty
2063	Bear River Canal	08-01	South Sutter Water District 2464 Pacific Avenue Trowbridge, CA 95659	Bradley Arnold (530) 656-2242 sswd@hughes.net	Construct new Diversion Structure with Radial Gates, excavate 2,000 l.f. of new canal and associated work to accommodate planned highway relocations.	Oct-09	Apr-09	\$595,000	\$601,824	Prime

## Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
2058	Hwy 41 Coarsegold Intersection Improvements	06-0A4004	CALTRANS 1352 W. Olive Ave. Fresno, CA 93728	John Woods (559) 243-8391 john.woods@dot.ca.gov	Widen Intersection (Roadway Excavation, Class II AB, Underground and AC Paving) ans install signals	May-08	May-09	\$1,069,694	\$1,100,518	Prime
2062	Annual AC Overlay Pavement Repair	07-144-38-286	City of San Leandro 835 East 14th St. San Leandro, CA 94577	Kenneth Joseph (510) 577-3428 kjoseph@sanleandro.org	Annual AC Pavement Overlay Repair Throughout the City	Sep-09	Jul-09	\$1,881,909	\$1,851,149	Prime
2054	San Jose International Airport TAIP Overcrossings	9500620	Hensel Phelps		Design/Build (2) bridges (South Loop and Bypass Loop). Combined PT Box-Girder Bridge on P/C Pile & Concrete footing, Slab bridge on P/C Concrete Octagon Pile (extended), and Retaining Walls.	Jan-08	Jul-09	\$13,355,000	\$11,351,970	Sub
2067	San Mateo Bridge Emergency Repairs	04-0G5504	CALTRANS 111 Grand Avenue Oakland, CA 94612	Stanley Ng (510) 286-5155 stanley.ng@dot.ca.gov	Emergency repair work to the San Mateo Bridge	Apr-09	Aug-09	\$500,000	\$691,090	Prime
3081	Shaw Lorenz Bridge	Contract #701332-0149/0120/0125/0110-70	Pardee Homes 12626 High Bluff Drive, Suite 100 San Diego, CA 92130	Chris Nichols (858) 461-0824	Construct new bridge.	Nov-08	Sep-09	\$2,505,635	\$2,574,082	Prime
2046	Hwy 99 Widen, Interchange and Overcrossing	06-293304	CALTRANS 505 N. St. Fresno, CA 93721	Hugo Mejia (559) 243-3592 hugo.mejia@dot.ca.gov	Existing Expressway to be Converted to Divided Freeway, including 2 new Cast-In-Place Box-Girder Bridges and Retaining Walls	Oct-06	Oct-09	\$47,134,940	\$48,988,698	Prime
3073	I-15 at Wheaton Springs PCC	Contract 08-4393U4	Las Vegas Paving P.O. 620 North Highlands, CA 95660	Christine Golden (916) 334-1221	Place LCB and PCC on southbound truck ascending lane.	Aug-08	Oct-09	\$5,752,615	\$5,485,226	Sub
2029	I880/Mission Blvd. Interchange	04-2332U4	CALTRANS 111 Grand Avenue Oakland, CA 94612	Maurice El Hage (408) 210-6777 maurice.el.hage@dot.ca.gov	Reconstruct interchange, including demolition of 2 existing bridges, construction of 5 new bridges with driven pile foundations, construction of concrete retaining walls and MSE retaining walls.	Dec-05	Nov-09	\$59,761,945	\$69,191,818	JV -Flatiron / DeSiva Gates
2056	Hwy 80 Emigrant Gap Widen and Concrete Pavement Rehabilitation	03-4A7004	CALTRANS 703 B St. Marysville, CA 95901	Doug Lange (530) 741-4465 doug.lange@dot.ca.gov	Hwy 80 Widen, Concrete Paving, Widen 1 Bridge, Replace 1 Bridge	Feb-08	Nov-09	\$19,997,343	\$21,316,973	Prime
2064	Elk Grove Bridge Replacement	PT0033	City of Elk Grove 8401 Laguna Palms Way Elk Grove, CA 95758	Gary Grunwald (916) 478-2236 ggrunwald@elkgrovecity.org	Replace existing bridge with a concrete slab bridge and construct asphalt concrete approaches	Mar-09	Nov-09	\$1,423,900	\$1,512,319	Prime
3019	Route 15 Via Rancho Parkway, San Diego, CA	11-080924	CALTRANS 4050 Taylor Street San Diego, CA 92110	Faridun Javed (619) 661-6406 faridun.javed@dot.ca.gov	Construct additional lanes, moveable barriers and replace bridges.	Oct-04	Nov-09	\$81,952,560	\$93,210,568	JV w/Balfour Beatty
3048	Route 15, Unit 5, Via Rancho Parkway, San Diego, CA	11-080944	CALTRANS 4050 Taylor Street San Diego, CA 92110	Richard Breyer (760) 473-2489 richard.breyer@dot.ca.gov	Construct additional lanes, moveable barriers and replace bridges.	Sep-06	Nov-09	\$50,205,981	\$51,090,705	Prime
2060	West Valley College Sitework	8-0809	West Valley Mission Community College District	Gogo Heinrich (408) 510-87595	Remove paving, excavate for utilities, backfill unpaved areas with spoils, off-haul and dispose of spoils and waste from excavations, restore paved areas	Jun-09	Nov-09	\$402,636	\$330,124	Subcontract
2061	Hwy 80 Concrete Paving Subcontract to Sierra Nevada Construction	10513-0008	Sierra Nevada Construction Box 50760 NV 89435	PO Sparks, Paul Shogren (775) 355-0420	PCC Paving of the No. 1 Lane & Left Shoulder of Hwy 80	Aug-09	Nov-09	\$733,200	\$744,066	Subcontract
2052	Mayhew Slough Levee Repair and Drain Structure	W91238C 07-B-0002	US Army Corps of Engineers	Eric Samuels (916) 557-5367	Emergency Levee Repair Drain Structure	Aug-07	Dec-09	\$9,538,000	\$13,847,235	Prime
3070	Seismic Retrofit of North Harbor Drive over Navy Estuary	K083623	City of San Diego 1200 Third Avenue, Suite 200 San Diego, CA 92101	Nitsuh Aberra (619) 533-4656 naberra@sandiego.gov	Construction of a nine-span post-tensioned concrete slab and T-girders.	Sep-08	Dec-09	\$11,216,857	\$10,813,527	Prime
2066	SFO Cast In Place Concrete - Deck Fill	3.30	Turner Construction SFIA Courtyard 2, PO Box 282869 San Francisco, CA 94128	Purnima Villanueva (650) 821-9391	(Sub-bid to Turner) Cast-In-Place Concrete Decks, Shear Walls, Drill & Bond Dowels	Apr-09	Jan-10	\$5,449,290	\$8,528,139	Prime
2045	I-238/580 Widen and Rehabilitation	04-249044	CALTRANS 111 Grand Avenue Oakland, CA 94612	Bharat Patel (925) 606-4447 bharat.k.patel@dot.ca.gov	Widening and rehabilitate portions of Route 580, Route 880, and Route 238 in and near Hayward and San Leandro in California. Interstate 238 serves as the single east-west freight connector between the San Francisco and Oakland ports and California's agricultural heartland. The	Aug-06	Apr-10	\$90,911,557	\$108,418,043	Prime
3066	Route 215 San Bernardino PCC	Contract 08-007174	MCM Construction, Inc. 19010 Slover Avenue Bloomington, CA 92316	H.D. McGovern (909) 875-0533 hmcgovern@mcmconstructioninc.com	PCC paving.	Jan-08	Apr-10	\$8,393,100	\$9,137,291	Sub
3090	Rehabilitate Taxiway C	Contract 104026	San Diego County Regional Airport Authority 2320 Stillwater Road San Diego, CA 92101	John Rothnie (760) 735-5087 jrothnie@san.org	Rehabilitation of taxiway - includes surface preparation, full depth removal of taxiway asphalt concrete and concrete pavement and placement of asphalt concrete, concrete pavement and storm drain.	Aug-09	Sep-10	\$22,487,625	\$23,387,130	Prime

## Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
2074	DWR Sutter Fish Ladder	C51411	State of California Department of Water Resources	Will Hicks (916) 574-2021 / (916) 802-3441 whicks@water.ca.gov	Remove existing fish ladder and culverts. Replace fish ladder and culverts at the entrance to Willow Slough utilizing sheetpile cofferdams and a temporary bridge for access and dewatering of work area.	Jun-10	Oct-10	\$2,967,751	\$3,399,558	Prme
3085	Route 52 Santee, CA	11-2T0104	CALTRANS 4050 Taylor Street San Diego, CA 92110	Mike Moen (619) 995-7335 mike.moen@dot.ca.gov	Construct managed lanes north segment.	Feb-09	Oct-10	\$27,549,289	\$29,060,110	Prime
2077	San Mateo Bridge Repair	04-2G3004	CALTRANS 111 Grand Avenue Oakland, CA 94612	Stanley Ng (510) 286-5155 stanley.ng@dot.ca.gov	Force Account Work (cost + markup) : Repair cracked structural steel beam at bent 285 on the San Mateo-Hayward Bridge, maintain traffic, perform Misc. related road work.	Oct-10	Nov-10	\$166,775	\$166,775	Prme
2068	Route 99/145 Interchange, Overlay and Bridge Widen	06-407214	CALTRANS 1352 West Olive Ave. Fresno, CA 93728	Mike Weber (559) 897-7224 / (559) 246-9422 michael.weber@dot.ca.gov	Install temporary traffic control devices, remove bridge portion, widen roadway, widen bridge, install signalization at 3 locations & re-stripe.	May-09	Dec-10	\$3,966,959	\$5,302,415	Prime
2076	A/C Overlay on Road 132	24750	County of Tulare Resource Management Agency	Mario Pulido (559) 624-7000 mpulido@co.tulare.ca.us	Base repairs, overlay, striping and shoulder backing material.	Oct-10	Dec-10	\$1,865,730	\$1,826,740	Prme
3042	Route 5 Buena Park from Orangethorpe to Artesia, CA	12-101674	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Bill Gilchrist (949) 279-8438 bill.gilchrist@dot.ca.gov	Construct 6 bridges, 29 retaining walls and 1 pump station along I-5.	Apr-06	Jan-11	\$201,352,369	\$203,897,152	JV w/Balfour Beatty
3093	Valley Center Road Bridge Over San Luis Rey River	529182	County of San Diego 10089 Willow Creek Road, Suite 150 San Diego, CA 92131	Rey Nocon (858) 740-4700 rnocon@simonwongeng.com	Bridge construction.	Jun-09	Jan-11	\$6,317,062	\$7,011,841	Prime
2065	Hazel Avenue Bridge Replacement	4010	Sacramento County 700 H St. Sacramento, CA 95814	Thor Lude (916) 875-2728 / (916) 215-2312 ludet@saccounty.net	Widen existing bridge, modifications to two bridges and install prefabricated pedestrian bridge.	Mar-09	Feb-11	\$20,110,156	\$23,896,453	Prime
2072	Hwy 198 Lemoore A/C Overlay	06-490004	CALTRANS 8530 West Roosevelt Ave., Visalia, CA 93291	Dave Ontiveros (831) 579-1337 david.ontiveros@dot.ca.gov	4,000 tons of HMA base repairs and 13,000 tons of rubberized HMA. Crack sealing, AC dike, striping, minor amounts of metal beam guard rail & shoulder backing.	May-10	Apr-11	\$1,751,027	\$1,855,615	Prime
2057	Sacramento Airport - Airside Concrete Paving	TMP CTB-A00	Sacramento County 6900 Airport Blvd. Sacramento, CA 95836	Leonard Takayama (916) 874-0771 takayamal@saccounty.net	PCC Paving, Striping, Signing and Electrical for new taxiways and aprons. Pile Driving for new concourse building. Construct Bridge for Automated People Mover (APM). Construct Underground Tug Tunnel.	Jun-08	May-11	\$47,123,302	\$49,682,730	JV with Turner Construction 32%
2080	Hwy 41 Cold in Place Recycle and Overlay	06-0H0004	CALTRANS 8530 Roosevelt Ave Visalia, CA 93291	Haidar Haddadin 559-243-3599 haidar.haddadin@dot.ca.gov	Cold in Place recycling of existing asphalt pavement and HMA overlay.	Apr-11	Jul-11	\$1,095,772	\$1,253,988	Prime
2073	Contra Costa Fish Screen P3	R10PC20R32	BUREAU OF RECLAMATION 2800 Cottage Way Sacramento, CA 95825	Joshua Stuart 916-978-4302 jstuart@usbr.gov	Construct new fish screen facility for the Contra Costa Canal at Rock Slough. Work includes dewatering the existing canal behind sheetpile cutoff walls previously installed. Excavate existing levees and widen the channel to accomodate the fish screen structure. The Fish Screen	Jun-10	Aug-11	\$12,682,255	\$14,025,512	Prme
3075	Route 15 South Segment, Unit 1	11-2T0914	CALTRANS 4050 Taylor Street San Diego, CA 92110	Gus Silva (619) 688-1497 gustaf.silva@dot.ca.gov	Construct managed lanes south segment.	Jun-08	Oct-11	\$50,031,930	\$56,451,891	Prime
2051	Hwy 880-92 Interchange Reconstruction	04-016014	CALTRANS 111 Grand Avenue Oakland, CA 94612	Ta Seng (925) 766-5224 ta.seng@dot.ca.gov	Interchange Reconstruction at Hwy 880 and Hwy 92 in Hayward, CA	Sep-07	Nov-11	\$138,000,000	\$157,886,823	JV/Granite Construction
3037	Route 5 PCC Replacements, Glendale & Burbank, CA	07-193104	CALTRANS 100 South Main St, 3rd Floor, MS-7 Los Angeles, CA 90012	Maher Subeh (818) 637-2506 ext. 229 maher.subeh@dot.ca.gov	Replace existing PCC pavement with rapid strength PCC.	Dec-06	Nov-11	\$44,308,849	\$44,793,341	Prime
3043	Exposition Light Rail	1-06	Exposition Metro Line Authority 707 Wilshire Blvd, Suite 3400 Los Angeles, CA 90017	Bud Gandy (213) 243-5571 bgandy@exporail.net	Construct 77 miles of double track light rail.	Mar-06	Nov-11	\$471,441,336	\$690,666,208	JV w/Fluor Enterprises and Parsons
3105	West Conveyance Pipeline - Phase 1	Contract 359PLW	Mojave Water Agency 22450 Headquarters Drive Apple Valley, CA 92307	Lorri Steely (760) 946-7020 lsteely@mojavewater.org	Construction of approximately 36 k of 42"-18" CML&C Water Main and appurtences , open field and rural city streets. Bores under Hwy 395, I 15 and BNSF RR.	Jul-10	Nov-11	\$7,804,914	\$8,418,173	JV w/C.M. Peich
3068	Route 15 South Segment, Unit 3	11-2T0934	CALTRANS 4050 Taylor Street San Diego, CA 92110	Harwell Ontoy (619) 688-3156 harwell.ontoy@dot.ca.gov	Construct managed lanes south segment.	Apr-08	Dec-11	\$67,618,827	\$73,584,436	Prime
2079	Point Bonita Light House Pedestrian Bridge Replacement at Marin Headlands	DTFH68-11-C00008	US DOT FEDERAL HIGHWAYS 12300 West Dakota Ave Lakewood, CO 80228	Pat Flynn 303-884-8970 720-963-3090	Remove existing Pt. Bonita Lighthouse pedestrian bridge and replace with new 156' long suspension ped bridge. Schedule A-Design Segment awarded, permanent material along with schedule X & Y (construction) awarded as original design contract modifications.	Mar-11	Feb-12	\$1,900,000	\$1,863,442	Prme
2082	Eureka Road & I-80 Improvements	20004-6130/012502-45	City of Roseville 311 Vernon Street Roseville, CA 95678	Nina Buelna 916-746-1300 rbuelna@roseville.ca.us	Bridge and Road Widening.	Jul-11	Apr-12	\$4,798,457	\$4,917,318	Prime

## Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3101	Bridge 207.6 Replacement	Contract 5001298	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Replacement of approximately 532 lineal feet of the northerly timber trestle bridge with new pre-cast concrete spans on CIDH piles and cast-in-place concret bent caps.	Sep-10	Apr-12	\$4,822,000	\$4,349,531	JV w/Herzog
3084	Route 18 Big Bear Lake, CA	08-227004	CALTRANS 464 West 4th Street San Bernardino, CA	Ihab Boulos (951) 232-7582 ihab.boulos@dot.ca.gov	Construct new bridge and realign roadway.	Feb-09	Nov-12	\$32,893,779	\$38,401,547	Prime
3125	Route 60 Emergency Project	07A3192	CALTRANS 1727 30th Street Sacramento, CA 95816-7006	Joan Crews (213) 620-4852 joan.crews@dot.ca.gov	Bridge repair.	Dec-11	Dec-12	\$1,000,000	\$1,898,510	Prime
3082	Route 15 North Segment, Unit 1	11-2T0814	CALTRANS 4050 Taylor Street San Diego, CA 92110	Richard Breyer (760) 473-2489 richard.breyer@dot.ca.gov	Construct managed lanes north segment.	Dec-08	Jan-13	\$46,599,284	\$50,213,372	Prime
2071	Hwy 198 Hanford	06-3568U4	CALTRANS 8530 West Roosevelt Ave., Visalia, CA 93291	Mike Weber (559) 897-7224 / (559) 246-9422	Convert 2 lane highway into 4 lane Expressway	Nov-09	Mar-13	\$45,178,321	\$51,798,376	Prme
3131	I-15 Ultimate Bus Rapid Transit Stations	5001935	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Frank Owsiany (619) 699-6948 FOW@sandag.org  John Dorow (619) 699-1915 JDO@sandag.org	Upgrading existing rapid bus transit stations.	Aug-12	Mar-13	\$2,594,200	\$2,741,485	Prime
3132	Washington Street Access Improvements	104124	San Diego County Regional Airport Authority 2320 Stillwater Road San Diego, CA 92101	Omneya Salem (619) 400-2227 osalem@san.org	The construction work includes asphalt concrete pavement and Portland Cement Concrete pavement to widen and realign approximately 2,900 feet of Washington Street from Frontage Road to the future Central Receiving and Distribution Center. The project also includes modification of two existing traffic signals, installation of chain link fence, security fence, and roadway storm drain system. In addition, the existing electrical and telecommunication services and meters will be relocated; an Airfield access-controlled security gate will be erected; and the future 12KV electrical distribution system infrastructure will be installed.	Jul-12	Apr-13	\$2,873,776	\$3,271,472	Prime
3130	Borden Road Bridge Improvement	88165	City of San Marcos 1 Civic Center Drive San Marcos, CA 92069	Elias Gallegos (760) 744-1050 egallegos@sanmarcos.net	Construction of a two span bridge.	Jul-12	May-13	\$5,606,693.60	\$5,683,611	Prime
2069	Widen Hwy 80 Roseville	03-367834	Caltrans 703 B Street Marysville, CA 95901	Pete Spector 916-416-7547 530-741-4211 pete.spector@dot.ca.gov	Widen Eastbound and Westbound Hwy 80 approximately 2.3 miles from Eureka Ave to 1 mile east of Hwy 65.	Oct-09	Jun-13	\$21,838,386	\$24,829,677	Prime
3102	Taxilane S Improvements	DA-4398	City of Los Angeles / Los Angeles International Airport 1 World Way Los Angeles, CA 90045	Rosa Brice (310) 957-7173 rbrice@lawa.org	Construction of new PCC taxiway and apron.	Mar-10	Jun-13	\$95,866,596	\$108,812,424	Prime
2059	Hwy 65 Bypass	03-3338U4	CALTRANS 703 B St. Marysville, CA 95901	Carl Berexa (916) 624-2769 carl.berexa@dot.ca.gov	Construct 11.7 miles of new 4-lane freeway paved with AC, 17 bridges, and Sound Walls.	Jun-08	Jul-13	\$137,136,250	\$153,258,854	JV/ DeSilva Gates Construction
3124	Route 78 Nordahl Road Overcrossing	11-259804	CALTRANS 4050 Taylor Street San Diego, CA 92110	Faridun Javed (619) 661-6406 faridun.javed@dot.ca.gov	Replacement of left hand turns from the bridge to the highway, provided an additional two feet of clearance, and was also designed to accommodate future SR-78 widening and HOV lanes. The scope of work included demolishing the existing bridge and replacing it with a two-span precast prestressed concrete bulb-type girder on spread footings and 30-inch CIDH concrete piles, constructing five retaining walls, drainage systems, and widening the westbound and eastbound off-ramps to Nordahl Road to include an additional turning lane.	Nov-11	Aug-13	\$9,271,985	\$9,559,443	Prime
3094	Route 905 New Freeway	11-288804	CALTRANS 4050 Taylor Street San Diego, CA 92110	Mike Moen (619) 995-7335 mike.moen@dot.ca.gov	Construct new PCC freeway.	Aug-09	Oct-13	\$57,095,736	\$65,317,296	JV w/Sukut
2070	I-880 High Street	04-165424	CALTRANS 111 Grand Avenue Oakland, CA 94612	Bharat Patel (925) 606-4447 bharat.k.patel@dot.ca.gov	Remove & replace two existing parallel bridges on I-880 over High Street.	Oct-09	Nov-13	\$50,648,177	\$61,099,688	Prime

**Flatiron - Additional Completed Projects - Past 10 Years**

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3106	North Torrey Pines Road Bridge Seismic Retrofit	57C-0207	City of Del Mar 1050 Camino del Mar Del Mar, CA 92014	Wade Durant (619) 692-1920 wade.durant@tylin.com	Upgrade and perform a retrofit of the North Torrey Pines Road Bridge in San Diego County, California. This bridge was designated a historic landmark and was eligible for listing on the National Register of Historic Places, was on the California Register of Historical Resources and was designated as a City of Del Mar Historic Landmark, therefore preservation of its historic detail was considered an essential characteristic of the project. The bridge was approximately 570 feet long, 49 feet wide, and as tall as a six story building. It spanned an environmentally sensitive area as well as railroad tracks. The scope of work to bring it up to code included replacing the bridge superstructure and retrofitting and rehabilitating its substructure. This included removing and replacing unbound substructure concrete, soil compaction grouting, constructing two new seat-type abutments on CIDH piles behind the existing abutments, drilling and bonding dowels, adding confinement steel to the tops of all columns, adding shear walls to the bottoms of skewed bents, replacing existing bearings with transverse and longitudinal sliding bearings. The bridge configuration remained the same with one five-foot wide sidewalk, two (one northbound and one southbound) six-foot wide bike lanes, a six-foot median and two 12-foot wide lanes of traffic, one northbound and one southbound.	Dec-10	Dec-13	\$13,380,283	\$15,243,009	Prime
3129	French Valley Parkway	PW07-04	City of Temecula 41000 Temecula, CA	Avlin Odviar (951) 694-6411 Avlin.Odviar@cityoftemecu	Freeway/ramp widening and new ramp/arterial road construction. Structures work includes retaining walls (Cantilever and Mechanically Stabilized Earth) and bridge widening and earthquake retrofit.	May-12	Dec-13	\$13,780,138	\$14,828,793	Prime
3142	Alta 10 Bridges	692	Blattner Energy, Inc. 392 County Road 50 Alta, MN 55002-6881	Amanda Ramler (320) 356-7351 aram@blatnerenergy.com	Construction of two temporary bridges.	Sep-13	Dec-13	\$771,376	\$771,376	Subcontractor
2096/2097	OAB Earthwork Contract	1-Jan	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgfjv.com	Earthwork Contract for OAB.	Nov-13	Dec-13	\$14,377,666	\$14,377,666	Flatiron JV Partner
3100	Route 76	11-080104	CALTRANS 4050 Taylor Street San Diego, CA 92110	Ed Fitzgibbon (619) 995-7334 ed.fitzgibbon@dot.ca.gov	Construction new 4-lane highway.	Jan-10	Feb-14	\$61,023,992	\$72,454,989	Prime
3099	Santa Margarita Bridge and Second Main Track	Contract 1141600	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Removal of existing steel truss bridge and wooden trestle over Santa Margarita River. Construction of new CIP concrete box girder bridge and new pre-cast concrete box girder trestle.	Feb-10	Mar-14	\$26,276,287	\$26,276,287	JV w/Herzog
3127	Sorrento to Miramar Double Track, Phase 1	5001827	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Rey Nocon (858) 740-4700 rnocon@simonwongeng.com	Flatiron was the managing partner of a joint venture with H&H Engineering Construction, Inc. which was awarded the contract for construction of the Sorrento to Miramar Double Track Phase One Project, San Diego, California. The project is the first of two phases of construction that will help speed passenger and freight rail services by straightening the slowest, steepest, and highest curve territories of any segment on the LOSSAN corridor (the Los Angeles-San Diego-San Luis Obispo rail corridor). That stretch of single track between Sorrento Valley and Miramar Road caused a significant bottleneck to rail traffic. Due to the sharp curves and steep grade, train speed there was restricted to 25 miles per hour. The project improved schedule reliability by increasing train speeds and allowing passenger and freight trains traveling in opposite directions to pass each other. Flatiron was responsible for construction of the new alignment, steel trestle double-track bridge, and retaining walls; H&H was responsible for track installation. The scope of this contract included constructing 1.5 miles of new track, including crossovers and turnouts, parallel to the existing line from south of Sorrento Valley Boulevard to east of Interstate 805. Crews demolished a 1940s era wooden trestle bridge and replaced it with a new double-track bridge. The 140-foot long steel trestle double-track bridge was built on cast-in-place abutments and founded on driven steel pipe. To straighten the curvature of the current track alignment, crews constructed ten retaining walls and embankments along the project.	May-12	Apr-14	\$24,747,777	\$25,012,487	JV w/ H & H Engineering
3136	Replace Approach Slabs in Various Locations	11-283604	CALTRANS 4050 Taylor Street San Diego, CA 92110	Dan Juarez (858) 688-1501 dan.juarez@dot.ca.gov	Replace bridge approach slabs on 6 different highways through San Diego County.	Jan-13	May-14	\$13,511,170	\$12,261,459	Prime
3098	Route 110 Auxiliary Lanes	07-2411U4	CALTRANS 100 S. Main Street Los Angeles, CA 92402	Ragy Samy (626) 572-6700 ragy.samy@dot.ca.gov	Construct auxiliary lanes and modify ramps.	Dec-09	May-14	\$19,137,506	\$25,492,315	Prime



## Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3143	Harmony Grove Village Parkway Bridge	14L0019095	Standard Pacific Corp. 2739 Country Club Drive San Diego, CA 92029	Tim Wellman (760) 443-6082 TWellman@stanpac.com	Grading, bridge, underground and street improvements.	Sep-13	Jun-14	\$2,981,726	\$2,981,726	Subcontractor
3140	Wing Avenue Flood Control Improvmenets	5921	County of San Diego 5500 Overland Avenue Suite 270 San Diego, CA 92123	Bill Morgan (858) 344-5859 william.morgan@sdcounty.ca.gov	Increase capacity of existing channel configuration by resurfacing the existing channel and replacement of exisiting reinforced concrete box culverts.	Jun-13	Aug-14	\$5,522,833	\$5,707,705	Prime
2075	Design-Build Oakland International Airport Connector	01ZK-110	Bay Area Rapid Transit District (BART)	Tom Dunscombe (510) 287-4822 tdunsco@bart.gov	Design Build 3.2 miles of guideway, two stations, a maintenance facility and supply and install APM system. Two miles elevated in the street median, 500 feet in cut and cover tunnel with the remainder at grade. Crosses RR and freeway and adjacent airport roads.	Sep-10	Oct-14	\$361,022,150	\$361,022,150	JV/Parsons
3133	Route 76/15 Separation	11-257144	CALTRANS 4050 Taylor Street San Diego, CA 92110	Jared Corbitt (619) 971-2488 jared.corbitt@dot.ca.gov	Modify and widen intechange.	Oct-12	Oct-14	\$19,648,515.20	\$23,320,836	Prime
2094/2095	OAB - Paving & Wicking Contract	1-Jan	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgfjv.com 510-267-8100	Paving and Wick Drains for OAB.	Nov-13	Oct-14	\$11,858,673	\$11,858,673	Flatiron JV Partner
2083	Carpenter Road Bridge Seismic Upgrades Modesto	2012-02  Fed Aid BRLSZA-5059(064)	City of Modesto Utility Planning and Project Director P.O. Box 642 Modesto, CA 95353	Vickey Dion 209-571-5542 vdion@modestogov.com	Seismic improvements to Carpenter Road Bridge and Roadway. Existing bridge abutment and hinge retrofit, bridge railing and deck overhang removal, reinforced concrete bridge construction, CIDH pile construction below ground water, cofferdam construction and removal, develop.	May-12	Nov-14	\$8,195,135	\$8,422,947	Prime
3126	Route 60/605 Separation to Route 57/60 Separation	07-286904	CALTRANS 100 Main Street Los Angeles, CA 90012	Joe Doughly (909) 594-4270 joe.doughly@dot.ca.gov	Replace PCC slabs & electrical loops and grind pavement.	Apr-12	Jan-15	\$67,665,955	\$71,569,778	Prime
3128	Route 5 Santa Clarita	07-2332A4	CALTRANS 100 Main Street Los Angeles, CA 90012	Abdul Al-jamal (818) 367-2760 abdul.al-jamal@dot.ca.gov	Widen roadway and bridges with PCC and construct retaining walls.	May-12	Feb-15	\$43,630,802	\$51,277,742	Prime
3118	Route 101 Santa Maria	05-445904	CALTRANS 50 Higuera Street San Luis Obispo, CA 93401	Patrick Stimson (805) 348-3533 patrick.stimson@dot.ca.gov	Widening of the Santa Maria River bridge on State Route 101 in Santa Barbara and San Luis Obispo Counties in and near Santa Maria from 0.5 Miles North of the Santa Maria Connector to Route 101/166 in California. The purpose of the project was to relieve traffic congestion and improve	Oct-11	Mar-15	\$30,865,199.98	\$34,038,011	Prime
2085	Hwy 99 Merced	10-415704	CALTRANS 1976 East Charter Way Stockton, CA 95205	Kewal Virk (209) 826-7953 (559) 675-5272 kewal.virk@dot.ca.gov	Construct freeway interchange and bridges on state highway in Merced County near Merced from Buchanan Hollow Road to 0.3 miles north of McHenry Road	Jul-12	Apr-15	\$66,568,275	\$70,515,547	JV w/Teichert as Lead
2084	Hwy 80 Oakland Touchdown	04-0120M4	CALTRANS 111 Grand Avenue Oakland, CA 94612	Jeanne Balderramas 510-385-6915 jeanne.balderramas@dot.c	Construction on State Highway in Alameda County in Oakland From 1.6 KM West of the Toll Plaza to 0.3 KM West of the Toll Plaza.	Jun-12	Sep-15	\$29,991,639	\$72,003,232	Prime
3141	Cow Camp Road Phase 1A/1B Bridge, SMWD and Road Improvements	13005	RMV PA2 Development, LLC 28811 Ortega Highway San Juan Capistrano, CA 92675	Scott Leetzow (949) 240-3363 SLeetzow@ranchomv.com	Bridge improvements, grading, and storm drain improvements, wet utilities, water, reclaimed sewer, irrigation, dry utility improvements, street improvements including asphalt concrete and traffic signalization.	Aug-13	Sep-15	\$21,521,649	\$21,521,649	Subcontractor
3151	Cow Camp Phase 1B SMWD	035C-1042	RMV PA2 Development, LLC 28811 Ortega Highway San Juan Capistrano, CA 92675	Scott Leetzow (949) 240-3363 SLeetzow@ranchomv.com	Construction of Sewer Lines and Water Lines.	Oct-14	Sep-15	\$1,349,404	\$1,349,404	Subcontractor
3158	SMWD Intertie Station	030C-1123	RMV PA2 Development, LLC 28811 Ortega Highway San Juan Capistrano, CA 92675	Scott Leetzow (949) 240-3363 SLeetzow@ranchomv.com	Emergency intertie station.	Dec-14	Sep-15	\$286,530	\$286,530	Subcontractor
2101	SFPUC Lower Cherry Aqueduct	HH-974(E)	SFPUC 1145 Market Street San Francisco, CA 94103	Ryan Fitzgerald Contract Administration 415-934-3980	Phase 1- Clean Tunnels, Clean And patch culvert, provide hydraulic upgrades and temporary instrumentation panel to manually operate Cherry Creek Diversion Dam and Install temporary safety structures. Phase 2 - Install and clean pipe to replace open aqueduct , repair tunnels.	Oct-14	Oct-15	\$14,000,000	\$14,000,000	CM/GC
3135	Route 5/74	12-0E3104	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Mohammad Ravanipour (949) 279-8407 mohammad.ravanipour@dot.ca.gov	Replace bridge and widen ramp.	Nov-12	Oct-15	\$24,850,553	\$29,319,667	Prime

## Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3161	Runway, Papa Taxiway, Hanger 2 Apron at MCAS Miramar	N62473-14-D-0045-0	Department of the Navy Naval Facilities Engineering Command Southwest 1220 Pacific Highway	Paula Conely (858) 577-1230 paula.conley@navy.mil	Repair of damaged airfield paving.	Mar-15	Oct-15	\$2,875,378	\$2,875,378	Prime
3167	Route 8 Cal Sorrento Emergency Project	11A2332	CALTRANS Division of Procurement and Contracts 1727 30th Street Sacramento, CA 95816-7006	Cameron Chaffee (619) 688-3377 cameron.chaffee@dot.ca.gov	Construct subterranean drainage system.	Jul-15	Oct-15	\$281,000	\$281,000	Prime
2098/2099	OAB - Outfall Structure	5-Jan	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgfv.com 510-267-8100	Wharf Outfall Structure for OAB.	May-15	Oct-15	\$2,700,000	\$2,700,000	Prime
3089	Route 10 HOV Lanes	07-117074	CALTRANS 100 Main Street Los Angeles, CA 90012	Sushil Chaudhari (213) 453-7555 sushilkumar.n.chaudhari@dot.ca.gov	Construct HOV lanes.	Oct-09	Feb-16	\$76,552,567	\$91,324,057	Prime
3159	Route 7 Calexico	11-238404	CALTRANS 4050 Taylor Street San Diego, CA 92110	Shawn Rizzutto (760) 594-2032 shawn.rizzutto@dot.ca.gov	Pavement rehabilitation, replace AC with CRCP.	Dec-14	Feb-16	\$11,134,915	\$11,446,250	Prime
3144	San Onofre to Pulgas Double Track Stage 1	5001515	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists in general of providing 4.2 miles of second main track between existing Control Point (CP) San Onofre and a New cross over at a new CP Don.	Jan-14	Jun-16	\$18,833,800	\$18,272,703	JV w/ H & H Engineering
3146	Sorrento Valley Double Track	5004027	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Vargo (619) 259-9805 svargo@kleinfelder.com	The work consists of construction of a second main track and associated bridge, retaining wall, culvert, embankment protection and drainage work.	Feb-14	Jun-16	\$17,559,500	\$18,579,627	JV w/ H & H Engineering
3147	South Line Freight Improvement	5004301	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists,of improvements on the South Line (MTS Blue Line) in the City of Chula Vista between J Street and the Otay River Bridge. Proposed work includes construction of track infrastructure including rail and tie replacement, reconstruction of the highway grade crossing at L	Jan-14	Jun-16	\$18,345,678	\$18,552,505	JV w/ H & H Engineering
3103	Route 5 from North of Sheldon St. to 5/118 to 5/170	07-1219U4	CALTRANS 100 Main Street Los Angeles, CA 90012	Emile Eid (213) 276-2054 emile.eid@dot.ca.gov	Construct HOV slabs, connectors and replace slabs.	Jul-10	Jul-16	\$95,866,596	\$103,519,184	Prime
3139	Blue Line Station Improvements	5001933	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Trolley Station, Transit Center, and Track Reconstruction and Upgrades between the San Diego Trolley Line and San Ysidro Intermodal Transit Center.	Jul-13	Sep-16	\$57,881,145	\$69,006,234	Prime
3152	San Vicente Road Improvement	1009592	County of San Diego 5500 Overland Avenue Suite 270 San Diego, CA 92123	Ted Kautzman (858) 805-1200 ted.kautzman@sdcounty.ca.gov	Realignment of San Vicente Road with utility undergrounding. Major work scopes are earthwork, waterline, box culverts, and AC Paving.	Sep-14	Dec-17	\$22,615,403	\$25,843,166	Prime
2103	Orwood Rd Bridge Replacement	County Project No: 0662-6R4076  Fed Aid No: BRLO 5928(045)	Contra Costa County Public Works 255 Glacier Drive Martinez, CA 94553 Phone 925-313-2000 Contact: Neil Leary, Project Sr Engineer	CM Firm: Hanna Group 855 Marina Bay Parkway, Suite 25 Richmond, CA 94804 Cell Phone: 415-717-9101 Contact: Nick Panayotou,	Replacement of the Orwood Rd Bridge structure and reconstructing the roadway approaches on Orwood Rd at Werner Dredger Cut and the Orwood Resort in Brentwood, CA.	Jun-15	Dec-16	\$7,984,449	\$7,984,449	Prime
2090	Smith River Bridge	CA PFH 112-1(3)	Fed Highways Administration Central Federal Lands Highway Div. 12300 W. Dakota Ave, Ste 360 Lakewood, CO 80228	Wendy Longley wendy.longley@dot.gov 720-963-3394	CM/GC project to Design and construct the South Fork Smith River Road Bridge.	May-15	Oct-16	\$10,000,000	\$10,000,000	CM/GC
2091	Rte 199 Gasquet Bridge	01-479404	Caltrans 6301 North State Street Ukiah, CA 95482	Karen Sanders, RE Karen.Sanders@dot.ca.gov 707-464-9157 Office 707-498-4009 Cell	Contract awarded in January 2014. Project is currently on hold by Caltrans due to environmental permitting issues that were not completed prior to contract award.	Mar-14	Jan-16	\$13,624,157	\$1,419,466	Prime
3153	Yesler Terrace Early Infrastructure	4584	Seattle Housing Authority 190 Queen Anne Avenue N Seattle, WA 98109	Lori Stehlik (206) 615-3478 lori.stehlik@seattlehousing.org	Project consists of 3 packages: --Early Infrastructure; installs new utilities and new/rebuilt city streets --Hill Climb; builds a stair case and bicycle ramp climbing 60' in elevation through a critical slope area --Site Demo and Rough Grading; removes existing home foundations and light infrastructure and regrades the sites for future development	Aug-14	May-16	\$12,029,000	\$12,029,000	Prime
3168	Route 5 Rio Hondo Bridge Emergency Project	07A3885	CALTRANS Division of Procurement and Contracts 1727 30th Street Sacramento, CA 95816-7006	Kevin Bui (562) 572-5983 kevin.bui@dot.ca.gov	Repair all fire damage sustained to Bridge 53-639 Rio Hondo.	Jul-15	May-16	\$3,000,000	\$3,000,000	Prime
3144	San Onofre to Pulgas Double Track Stage 1	5001515	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists in general of providing 4.2 miles of second main track between existing Control Point (CP) San Onofre and a New cross over at a new CP Don.	Jan-14	Jun-16	\$18,833,800	\$18,833,800	JV w/ H & H Engineering
3147	South Line Freight Improvement	5004301	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists,of improvements on the South Line (MTS Blue Line) in the City of Chula Vista between J Street and the Otay River Bridge. Proposed work includes construction of track infrastructure including rail and tie replacement, reconstruction of the highway grade crossing at L Street, installation of new special trackwork modifaitions to existing special trackwork.	Jan-14	Jun-16	\$18,345,678	\$18,345,678	JV w/ H & H Engineering
2087	Hwy 101 Willits Bypass	01-262004	Caltrans 6301 North State Street Ukiah, CA 95482	Geoffrey Wright (707) 496-4355 geoffrey.wright@dot.ca.gov	Hwy 101 Willits Bypass	Feb-13	Feb-17	\$107,968,215	\$172,902,457	Flatiron led JV with DeSilva FWI JV Portion \$68 Mil

Flatiron - Additional Completed Projects - Past 10 Years										
Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3154	Route 5 Cockleburrr to SD County Line	11-406704	CALTRANS 4050 Taylor Street San Diego, CA 92110	Mohammed Khan (858) 720-2111 mohammed.khan@dot.ca.gov	PCC rehabilitation inculding PPCP, JPCP (RSC), and approach slabs.	Sep-14	Feb-17	\$33,410,524	\$37,386,825	Prime

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Flatiron - Current Projects									
Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Contract Award Date	Estimated Completion Date	Initial Contract Value	Prime/JV
2078	Presidio Parkway P3 Design-Build	04-1637U4	CALTRANS 111 Grand Avenue Oakland, CA 94612	Skip Sowko (510) 622 0814 skip.sowko@dot.ca.gov	P3 D/B Project: Eight new bridges, three cut and cover tunnels, roadway, detours, landscaping, earthwork, demolition, relocation and salvage of historic buildings	Jan-11	Sep-16	\$254,028,000	JV/Kiewit
2081	Calaveras Dam Replacement	WD-2551	SFPUC 1145 Market Street San Francisco, CA 94103	Dan Wade 415-554-1853 415-554-3289 dwade@sfgwater.org	The Dragados USA, Inc / Flatiron West, Inc. / Sukut Construction, Inc. Joint Venture was awarded this contract for the Calaveras Dam Replacement Project in the City of Sunol, County of Alameda, California to repair, replace, and seismically upgrade the aging pipelines, tunnels and reservoirs in the Hetch Hetchy Regional Water District. The construction of the new earthen dam included the excavation of over 4 million cubic yards out of the foundation and left/right abutments to set the core of the dam on a solid rock foundation; dam embankment consisting primarily of clay, sandstone, and hard rock materials generated from onsite borrow sites, and chimney drain rock imported from offsite quarries; new 20-foot diameter x 180-foot deep intake shaft and connection adit tunnel to connect the new shaft to the existing shaft and intake adits at three underground tunneling locations, and abandon the existing shaft; construction of prefabricated steel bridge over spillway was built offsite and then hoisted in place over concete foundations.	Aug-11	Sep-17	\$259,571,850	Dragados/ Flatiron/Sukut JV
2102	Embarcadero Bridge Replacement	G121810	City of Oakland 250 Frank H. Ogawa Plaza Oakland, CA 94612 510-238-7270	Nader Rabahat nrabahat@oaklandnet.com 510-238-6605	Replacement of the Embarcadero Bridge over the Lake Merritt Channel in downtown Oakland.	NTP Pending	May-17	\$16,399,527	Prime
2104	CA HSR Construction Package 2-3 (CP 2-3)	HSR- 13-57	California High Speed Rail Authority 770 L Street, Suite 1160 Sacramento, CA 95814 Phone 916-324-1541	Authority Authorized Representatives:  Jorge Granados, PE as Construction Manager	Major work elements include construction of at-grade, aerial and possible below grade sections of high-speed train alignment, construction of at-grade, aerial, and possible below grade sections of high speed train, relocation of existing BNSF tracks for approximately 5.5 miles, possible	Design Phase Jun 2015 to Jun 2016	Jun-20	\$1,365,335,890	Dragados/ Faltrion Joint Venture 50/50 Split
3116	Riverside Drive Viaduct Over Los Angeles River	E700002F & E700301F	City of Los Angeles 200 North Spring Street Los Angeles, CA 90015	Kiran Vohra (213) 485-4935 kiran.vohra@lacity.org	Reconstruction and realignment of Riverside Drive including new bridge construction.	Jul-11	Jun-17	\$38,895,057	Prime
3119	Route 5 Carmenita	07-2159C4	CALTRANS 100 Main Street Los Angeles, CA 90012	Peter Lee (562) 401-3333 ext. 228 peter.m.lee@dot.ca.gov	Widen and realign freeway with PCC and widen CIP PS concrete bridges.	Nov-11	Nov-17	\$86,565,398	Prime
3134	Route 5 Silverbow	07-215934	CALTRANS 100 Main Street Los Angeles, CA 90012	Sam Frempong (562) 345-9865 sam.frempong@dot.ca.gov	Widen and realign freeway and construction pedestrian overcrossing, overcrossing and undercrossing structures.	Nov-15	Aug-17	\$74,580,829	Prime
3138	Orangethorpe Avenue Railroad Grade Separation	C-2-1475	OCTA 550 Main Street Orange, CA 92863	Jay Gabrielson (714) 560-5981 jgabrielson@octa.net	Reconstruction of Orangethorpe Avenue to allow for railroad grade separation in the Cities of Anaheim and Placentia in Orange County, California. This project, which will elevate the four-lane Orangethorpe Avenue over the BNSF railway tracks to separate rail and roadway traffic - will eliminate traffic delays, result in greater driver/pedestrian safety, shorter emergency response times, allow for easier business access, and improve air and noise conditions. The scope of work included constructing four bridges including construction of a new single-span precast prestressed wide flange girder bridge approximately 295 feet in length and 110 feet wide; replacement of an existing bridge with a single span cast-in-place prestressed concrete box girder bridge approximately 167 feet long and varying widths of up to 86 feet wide; replacement of an existing bridge with a single span precast prestressed concrete girder bridge approximately 72 feet long and 110 wide; construction of a single span precast prestressed concrete voided slab bridge approximately 37 feet long and 20 feet wide; thirteen retaining walls – almost one linear mile – consisting of mechanically stabilized earthwork, cast-in-place reinforced concrete, and combination walls; laying down over one mile of reinforced concrete drain pipe; re-locating a 72-inch pipeline and connecting to the existing system; placing asphalt concrete and PCC pavement; and placing sewer pipe.	Jun-13	Apr-17	\$45,137,137	Prime
3148	Route 101 Goleta	05-0G0704	CALTRANS 50 Higuera Street San Luis Obispo, CA 93401	Michael Mortensen (805) michael.mortensen@dot.ca.gov	Widen freeway, ramps, bridges.	Feb-14	Jul-17	\$16,629,374	Prime
3149	Raymond Avenue Grade Separation	45890	City of Fullerton 303 West Commonthwealth Avenue Fullerton, CA 92832-1775	Yelena Voronel (714) 738-6852 yelenav@ci.fullerton.ca.us	Construction of grade separation to lower Raymond Avenue under the BNSF tracks and offset the Raymond Avenue centerline 10 feet to the west. Work includes street improvements, bridges, retaining walls, drainage, utilities signal and lighting.	Jul-14	Nov-17	\$46,416,872	Prime

Flatiron - Current Projects									
Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Contract Award Date	Estimated Completion Date	Initial Contract Value	Prime/JV
3150	I-15 / Base Line Road Interchange	C14162	SANBAG 1170 W. 3rd Street, 2nd Floor San Bernardino, CA 92410	Nabil Fraywat (951) 782-8010 nabil.fraywat@arcadis-us.com	Bridge work, retaining walls, earthwork, PCC paving, CIDH piling, electrical and utilities.	Aug-14	Apr-17	\$26,907,000	Prime
3152	San Vicente Road Improvement	1009592	County of San Diego 5500 Overland Avenue Suite 270 San Diego, CA 92123	Ted Kautzman (858) 805-1200 ted.kautzman@sdcounty.ca.gov	Realignment of San Vicente Road with utility undergrounding. Major work scopes are earthwork, waterline, box culverts, and AC Paving.	Sep-14	Dec-17	\$22,615,403	Prime
3155	Route 5 Avenida Vista Hermosa	12-0F96C4	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Steve Kinaly (949) 729-8800 steve.kinaly@dot.ca.gov	Add HOV lane in each direction for approx 1.5 miles; Construct 11 each retaining walls; and construct 1 bridge widening.	Sep-14	Dec-17	\$44,312,578	Prime
3156	SR 520 WABN Montlake to Evergreen Pt.	8625	Washington Department of Transportation 600 Stewart Street, Suite 520 Seattle, WA 98101	Brian Dobbins (206) 770-3518 DobbinsB@wsdot.wa.gov	Build 6000 LF bridge over water, North of the existing bridge. The new bridge connects Westbound traffic from the new 520 Floating bridge to land on the Seattle side of Lake Washington. The project also includes demolition of an old museum building, existing bridges and changes to the Montlake Blvd interchange.	Oct-14	Oct-17	\$199,537,371	Prime
3157	Route 138 Phelan	08-3401U4	CALTRANS 464 W. 4th Street San Bernardino, CA 92401	Elvira Lenart (951) 232-8949 elvira.lenart@dot.ca.gov	Widening highway, bridges and constructing retaining walls.	Feb-15	May-17	\$22,615,403	JV w/ Hardy & Harper
3160	I-5 North Coast Corridor	112T21CM	CALTRANS 4050 Taylor Street San Diego, CA 92110	Allan Kosup  allan.kosup@dot.ca.gov	Construction management and general contractor services for the design and construction on State Highway, Lossan Rail Corridor and San Elijo Lagoon in San Diego from Lomas Santa Fe Drive to State Route 78.	Jan-15	Dec-20	CMGC Contract - Up to \$700,000,000	JV w/ Skanska and Stacy and Witbeck
3162	Route 5 Genesee	11-0223U4	CALTRANS 4050 Taylor Street San Diego, CA 92110	Dave Pound (858) 829-5035 dave.pound@dot.ca.gov	Replace and widen bridge, reconstruct ramps and intersection.	Mar-15	Aug-18	\$60,930,519	Prime
3163	Route 210 Dunsmore to North Los Robles	07-2881U4	CALTRANS 100 Main Street Los Angeles, CA 90012	Sushil Chaudhari (213) 453-7555 sushilkumar.n.chaudhari@dot.ca.gov	Construct concrete pavement, precast concrete panels and slabs.	May-15	Nov-17	\$105,495,712	Prime
3164	Route 5 Avenida Pico	12-0F96A4	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Andrew Chuah (949) 279-8496 andrew.chuah@dot.ca.gov	Freeway widening and bridge reconstruction.	Feb-15	Nov-17	\$49,439,933	Prime
3166	Route 1 San Simeon	05-492804	Papich Construction Co., Inc. P.O. Box 2210 Pismo Beach, CA 93448	David Cruce (559) 213-3445 dcruce@papichconstruction.com	Bridge construction.	Apr-16	Apr-17	\$7,337,298	Subcontractor to Papich
3169	Route 11/125/905 Separation	11-288814	CALTRANS 4050 Taylor Street San Diego, CA 92110	Jared Corbitt (858) 220-3986 jared.corbitt@dot.ca.gov	Construct freeway to freeway connectors.	Oct-15	Apr-17	\$11,952,886	Prime
3170	Gilman Drive Realignment (CM/GC)	A4L-388-966049	UCSD Facilities Design and Construction 9500 Gilman Drive #0916 La Jolla, CA 92093-0916	Jessica Calixto (858) 534-1991 jcalixto@ucsd.edu	This project reconfigures and widens Gilman Drive from Via La Jolla north towards Voigt Drive and provides a new four-way signalized intersection to improve campus circulation and which will allow for the connection to the future Interstate 5(I-5)/ Gilman Bridge. Utilities through the planned Gilman Bridge, including domestic water, reclaimed water, electrical, and telecommunications distribution lines will be constructed in Gilman Drive and inside the bridges' box girders and connected to services on the west side of the bridge as part of this project.	Jan-16	May-17	\$13,016,027	Prime
2092/2093	OAB Design Build Contract	Main Contract	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgfjv.com 510-267-8100	Design Build at Former Oakland Army Base.	Nov-13	Nov-17	\$150,000,000	Turner/Goodfell ow Top Grade /Flatiron DB JV
3175	Eastern Gateway Pumbaa Garage Project	1298-2-02-450	Bomel Construction Company, Inc. 8195 E. Kaiser Blvd., Anaheim, CA 92808	Jennifer Coppen (714) 921-1660 jcoppens@bomelconstruction.com	Construction of bridge at the Pumbaa Garage.	Dec-16	Dec-17	\$14,763,400	Subcontractor to Bomel
3176	South Bay BRT Segment 2	5007009	SANDAG 401 B Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Construction of dedicated bus Rapid Transit guideway.	Sep-16	Jul-18	\$19,868,545	Prime
3178	Consolidated Demolition and Utility Improvements at Plant No. 2	P2-110	Orange County Sanitation District 10844 Ellis Avenue Fountain Valley, CA 92708	Jay Kaura (714) 593-7725 jkaura@ocsd.com	Demo existing specific facilities, utilities, structures, construction trailers, and tunnels; reroute existing utilities; construct new oil dock; install new air compressor; asphalt paving.	Feb-17	Jul-19	\$16,730,000	Prime
3180	Willow Street Bridge Replacement	STL261	City of Chula Vista Department of Public Works Engineering 276 Fourth Avenue Chula Vista, CA 91910	Paul Oberbauer (619) 691-5247 poberbauer@chulavista.gov	Work to be done consists of improvements on Willow Street from Bonita Road to Valley Vista Road and approximately 800 ft, along the easterly segment of Sweetwater Road.	Feb-17	Dec-18	\$15,186,666	Prime

# Tab 8

Bidder's Experience - Water Projects

Water Projects Submitted at Time of Bid (Project Information Attachment)								
Project Name	Owner	Location	Contract Price	Construction Time	Date of Substantial Completion	Contract Acceptance*	Owner Representative Contact Information	Description of Project
Leo J Vander LansWater Treatment Facility Expansion project	Water Replenishment District of Southern California	Long Beach, CA	\$32,748,000	550 Calendar Days	Nov-14	Nov-14	Paul Fu 4040 Paramount Blvd. Lakewood, CA 90712 Tel 562-275-4251	The Leo J. Vander Lans Advanced Water Treatment Facility in Long Beach, Calif., received the effluent from the Long Beach Water Reclamation Plant, after a first round of treatment. At this plant, water is further treated through advanced microfiltration and reverse osmosis, resulting in a near-distilled quality. The plant currently produces 3 million gallons of treated water per day. Flatiron expanded the facility, to 8 million gallons per day and reduced the area's dependence on imported water. Work included construction and installation of new water treatment systems, including microfiltration, reverse osmosis, ultraviolet disinfection with advance oxidation, dissolved air flotation, chemical systems, piping, pump stations, site work, structural, electrical, instrumentation and all associated work. The expansion improves the plant's efficiency and reduces operations and maintenance costs.
Santaquin Water Reclamation Facility	Santaquin Water Reclamation District	Santaquin, Utah	\$14,951,220	490 Calendar Days	Nov-13	Nov-13	Benjamin Reeves 275 West Main Street Santaquin, UT 84655 Tel 801-754-3211	The Santaquin Water Reclamation Facility in Santaquin, Utah, represents the culmination of over six years of community planning and public outreach. This revolutionary facility is the first of its kind in Utah that will store and reuse 100 percent of its treated water for a residential secondary irrigation system, with no discharge to nearby lakes. The use of reclaimed water for irrigation purposes allows the city to conserve higher quality groundwater for drinking, while establishing a model for sustainable water resource development in Utah and the Intermountain West. The facility is capable of processing over one million gallons of water per day. The process begins in the headworks building, where wastewater is screened to remove coarse materials like trash or large grit. Next, wastewater is distributed into biological basins, a process where specific bacteria is grown to degrade contaminants. Following biological treatment, the effluent is separated from this bacteria using membrane filtration. The filtered water then flows to the UV disinfection system for further treatment, where disinfection occurs through the inactivation of waterborne pathogens. The final stage is the reclaimed water pump station, where disinfected effluent is pumped to existing large storage reservoirs near the lagoon site. From here, the Type I reclaimed water is pumped into the City's pressure irrigation system. The headworks building is fully odor controlled, with contaminated air exhausted to an adjacent biofilter for treatment. The biological basins and membrane filtration capacities were constructed with special features to allow for easy expansion as the City grows, including a third treatment train temporarily used for sludge storage and empty tanks with room for added membrane filtration modules. In the unlikely event that the reclaimed water does not meet Type I water quality criteria, a valve located between the UV disinfection system and the reclaimed water pump station automatically closes and diverts flow to an on-site temporary storage pond. Flatiron also oversaw the construction of 7,200 feet of new trunk line, as well as numerous tie-ins.
Southwest Groundwater Treatment Plant	Jordan Valley Water Conservancy District	West Jordan, Utah	\$23,665,433	730 Calendar Days	Nov-11	May-12	David McLean 8215 South 1300 West West Jordan, UT 84088 Tel 801-565-4300	Flatiron constructed a new groundwater treatment plant in West Jordan, Utah, a suburb of Salt Lake City, next to the Jordan River. The state-of-the art water treatment facility will remove contamination from a local aquifer and produce 8,235 acre-feet per year of treated water using reverse osmosis, a thorough method of water purification that reduces the levels of total dissolved solids and chemical impurities by using pressure to force water through a semi-permeable membrane. The municipal plant will consist of a 38,000 square-foot process building, three reverse osmosis trains and one bypass train utilizing ultraviolet light disinfection technology. The construction of separate treatment trains is necessary to incorporate deep and shallow groundwater wells, supply wells, pipelines, a byproduct disposal system and associated facilities. Flatiron is also installing a new 1,400-foot-long pipe system to bring contaminated water to the plant and return purified water back to the local clean water system. The plant's by-product, a heavy-brine waste stream, will be piped to a 22-mile line to the Great Salt Lake. When the reverse osmosis treatment plant is complete, the Jordan Valley Water Conservancy District anticipates future expansion to increase the plant's capabilities from 7 million gallons per day to 14 million gallons per day.



Bidder's Experience - Water Projects

Project Name	Owner	Location	Contract Price	Construction Time	Date of Substantial Completion	Contract Acceptance*	Owner Representative Contact Information	Description of Project
Lenihan Dam Outlet Modifications	Santa Clara Valley Water District	Los Gatos, CA	\$39,000,000	750 Calendar Days	Sep-09	May-10	Capital Program Unit Manager Beth Redmond 5750 Almaden Expressway San Jose, CA 95118 Tel 408-630-2682	At the foot of the Santa Cruz Mountains, Flatiron replaced the deteriorating outlet structure for the 50-year-old Lenihan Dam - a 1,000-foot-long earthen barrier holding water stored at the Lexington Reservoir in Los Gatos, Calif. The project was a seismic upgrade for the existing outfall pipe, a 50-inch steel pipe that was restricted to a maximum outlet of 70 percent capacity. Alternatively, the new 54-inch pipeline allows maximum outflow of the reservoir in the event the reservoir needs to be lowered to prevent the failure of the dam during an earthquake. Flatiron constructed a new 2,000-foot-long outlet structure that is approximately 14 feet wide by 13 feet tall through Saint Joseph Hill. The tunnel begins near the existing outfall pipe, terminates on the reservoir side of the dam and connects to a new 15-foot-diameter intake facility by way of a 35-foot vertical shaft. Originally, the shaft required excavation and grout around its base, which was very time consuming and costly. Flatiron proposed an innovative water-tight pile secant wall for the shaft excavation that allowed us to build quickly, reduce cost and decrease environmental disturbances by keeping grout from entering the reservoir. The value engineering solution additionally improved water-tightness around the shaft. The new outfall building has three sets of valves to control the discharges into Los Gatos Creek. The new intake structure consists of 450 feet of 54-inch welded steel pipe, with four 42-inch intake gates and a new building to house the hydraulic control unit and various monitoring equipment. A road header was used to bore through soft material and explosives were used to fracture the harder rock. After excavating the material, Flatiron utilized an arched traveling form to pour 60-foot-long sections of the tunnel. Ventilation and low-flow pipes were then hung from the tunnel ceiling and a 5-foot welded steel outtake pipe was installed, held in place by permanent cast-in-place supports. During construction, Flatiron created a detour for the highly used Los Gatos trail to ensure safe public recreation. The project was completed nine days ahead of schedule and \$1.4 million under budget.
Rahway Valley Sewerage Authority: Contract 155  (Project # 2)	Rahway Valley Sewerage Authority	Rahway, NJ	\$138,965,112	1450 Calendar Days	Feb-09	Feb-09	Robert V. Valent 1050 East Hazelwood Avenue Rahway, NJ 07065 - Tel 732-388-0868	E.E. Cruz (a Flatiron subsidiary) expanded Rahway Valley Sewerage Authority Wastewater Treatment Plant's sewage capacity from 63MGD to 105 MGD and upgraded and replaced the plant's outdated systems. The temporary SOE systems on the project included the installation of sheet piling and soldier piles, steel wales and struts, and tiebacks. The construction consisted of major upgrades to the primary, secondary, and tertiary treatment facilities. Upgrades to these facilities consisted of the construction of a new headworks facility, construction of a new primary settling tank, upgrades to the aeration system, construction of new final settling tanks, construction of a new effluent sand filter facility, construction of a new UV disinfection chamber, construction of a new effluent pump station, and the construction of a new cascade aeration station. In addition, E.E. Cruz was also responsible for constructing a new rotary drum building. Within the new facilities a significant amount of misc metals work of which included the installation of new hand rails. All work was performed while maintaining plant operations.
Flushing Bay CSO: Contract 4-4G  (Project # 3)	New York City Department of Environmental Protection	Queens, NY	\$133,737,200	2450 Calendar Days	Nov-08	Nov-08	Mike Borsykowsky 59-17 Junction Blvd. Flushing, NY 11373 Tel 718-595-5921	E.E. Cruz (a Flatiron subsidiary) was responsible for the second phase of a two phase program to construct the Flushing Bay Combined Sewer Overflow Retention Facility. The project involved mass excavation of contaminated material, construction of a deep soil mix earth support system, dewatering, site utility work, pipe piles, and the installation of steel sheet piling, reinforced concrete, and structural steel. The project required extensive mechanical work which included the installation of nine tide gates, two belt conveyor systems, five three story mechanical bar screens, a storage cell flushing and cleaning system, chemical and air treatment systems, and interconnection piping. In addition, E.E. Cruz constructed a 40,000 square foot structural steel building with a brick façade, a 25,000 square foot recreational facility, and an 11,000 square foot maintenance facility for the NYC Department of Parks and Recreation.

Bidder's Experience - Water Projects

Water Projects - Ongoing									
Project Name	Owner	Location	Contract Price	Contract Value Billed to 11/30/2016	Construction Time	Date of Substantial Completion	Current % Complete	Owner Representative Contact Information	Description of Project
Calaveras Dam Replacement	San Francisco Public Utilities Commission	Sunol, CA	\$552,000,000	\$425,136,933	2280 calendar days *Pending additional work to be added by Owner, extending the project an additional 6 months.	Nov-18	68%	Regional PM Dan Wade Tel 415-554-1853 or Alan Johanson Tel 415-218-2023	The San Francisco Public Utilities Commission awarded a \$259 million contract to the joint venture of Dragados USA, Flatiron and Sukut Construction for the Calaveras Dam Replacement in Sunol, Calif. The project will replace the original dam, built in 1925, with a new 210-foot-high earth and rock fill dam designed to accommodate earthquakes on the Calaveras Fault. The project also includes construction of a new 1,550-foot-long spillway utilizing 40,000-cubic-yards of concrete, construction of a new intake/outlet tower consisting of a 20-foot-diameter by 163-foot-deep vertical shaft and three new tunnels to convey water to and from the reservoir and a direct tie-in pipeline to the Sunol Regional Water Treatment Plant. The new dam will be constructed next to the existing dam, which will be left in place and submerged underwater when the project is complete. Approximately seven million cubic yards of material will be excavated to construct the new dam. Major construction is anticipated to be complete in 2018. The Calaveras Dam is part of the Hetch Hetchy Regional Water System that provides drinking water to 2.5 million people in Alameda, Santa Clara, San Mateo and San Francisco counties. Since 2001, after Calaveras Dam was deemed seismically unsafe by the California Division of Safety of Dams, water levels in the reservoir have remained at 40 percent of full capacity. The project will allow the water levels back to the historic capacity of 31 billion gallons. The replacement project is part of the SFPUC's \$4.6 billion Water System Improvement Program to repair, replace, and seismically upgrade the aging pipelines, tunnels and reservoirs in the Hetch Hetchy Regional Water System. Flatiron has a 30 percent share in this joint venture. Joint venture partner Dragados USA has a 40 percent share, and Sukut Construction has a 30 percent share. The current cotract value with owner change orders is \$552 Million.
ECHO Water Program NST Project (Nitrifying Sidestream Treatment)	Sacramento County Regional Sanitation District	Elk Grove, CA	\$40,348,630	\$12,633,000	1096 calendar days	Jan-19	30%	Ron Perkins Tel 916-875-1202	The project consists of construction of a treatment facility to nitrify the ammonia-rich Solids Storage Basin (SSB) Supernatant (SN) to reduce the effluent ammonia load and produce nitrate-rich effluent to be applied for odor control in the interceptor system upstream of the SRWTP, as well as at various locations within the plant. It will also reduce the amount and variability of the ammonia load on the biological nutrient removal (BNR) system. The facility will be located east of SSB Battery I and will use nitrifying sequencing batch reactors (NSBRs). A Flow Diversion Structure will intercept the SN flow and divert it to the new treatment system. An Influent Pumping Station will lift flow to the downstream treatment processes. A Fine Screening Facility will remove debris from the SN ahead of the biological treatment system. The NSBRs will oxidize the ammonia in the SN and convert it to nitrate. Flow from the NSBRs will be collected in an Equalization Basin. An Effluent Pumping Station will deliver the nitrate rich effluent to points upstream in the interceptor system at the primary effluent diversion structure, and at other locations within the SRWTP. In order to ensure adequate alkalinity for the biological treatment process at the NSBRs, a Lime Storage and Feed Facility will also be constructed.
Ruskin Dam Powerhouse Upgrade	BC Hydro	Ruskin, British Columbia Canada	\$139,000,000	\$111,443,807	1900 calendar days	Mar-18	80%	Owners Project Manager Boyd Mason Tel 604-528-2838	The Ruskin Dam and Powerhouse, located 60 kilometers east of Vancouver on the Stave River, has provided power to British Columbia since the 1930s. BC Hydro is commissioning a series of contracts to upgrade the dam, powerhouse, and associated structures - work that began in 2012 and will continue through 2018. BC Hydro awarded Contract A to a joint venture team led by Flatiron. Work for this contract includes seismically upgrading the dam and the powerhouse by constructing new piers, installing new spillway gates, constructing a two-lane bridge and powerhouse superstructure upgrade, and installing a new powerhouse crane and elevator. The project requires close coordination with the plant operators - the existing facility must remain online and active during construction. Additionally, the area is used for recreation and is surrounded by environmentally sensitive lands. Flatiron will follow a comprehensive environmental management plan to ensure environmental protection. Upon completion of the upgrades, the facility will be able to withstand a 10,000-year earthquake. The upgraded facility will provide power to 33,000 homes.

Bidder's Experience - Water Projects

Project Name	Owner	Location	Contract Price	Contract Value Billed to 11/30/2016	Construction Time	Date of Substantial Completion	Current % Complete	Owner Representative Contact Information	Description of Project
Ruskin Dam and Powerhouse Completion	BC Hydro	Ruskin, British Columbia Canada	\$70,435,623	\$56,369,496	915 calendar days	Nov-17	80%	Owners Project Manager Boyd Mason Tel 604-528-2838	The Ruskin Dam and Powerhouse, located 60 kilometers east of Vancouver on the Stave River, has provided power to British Columbia since the 1930s. BC Hydro is commissioning a series of contracts to upgrade the dam, powerhouse, and associated structures - work that began in 2012 and will continue through 2018. BC Hydro awarded Contract B to a joint venture team led by Flatiron. Work for this contract includes includes refurbishing the dam's three generating units. Crews are conducting repairs and replacing a section of the penstock. They will also install a new intake gate systems powered by a new hydraulic unit. The aging dam still has most of the original controls and systems from the 1930s, so crews will also replace mechanical and electrical systems.
Division Z - Poplar Point Pumping Station Replacement & Main Outfall Sewers Diversion	DC Water & Sewer Authority	Washington, DC	\$53,452,275	\$24,378,708	850 calendar days	Apr-17	72%	Gary Brennan Tel 717-414-0634	The Poplar Point (Division Z) project is one piece of the ongoing DC CSO (Clean Rivers) Project. Division Z work includes construction of a new sewage pumping station (to replace the existing Poplar Point station that was constructed in the early 1900's), microtunnel diversion sewer, sewer overflow chamber, main outfall sewer diversion chamber, force main discharge connection chamber and a new microtunnel gravity sewer to serve the adjacent community.

Bidder's Experience - Water Projects

Water Projects - Completed								
Project Name	Owner	Location	Contract Price	Final Contract Price	Construction Time	Date of Substantial Completion	Owner Representative Contact Information	Description of Project
West Conveyance Pipeline Phase 1	Mojave Water Agency	Hesperia, CA	\$7,804,914	\$8,418,173	875 calendar days	Dec-12	Lorrie Steely Tel (760) 946-7020	Construction of the west conveyance pipeline for Phase 1 of the Regional Recharge and Recovery Project Modifications (R3) project in the City of Hesperia, California. The R3 project used in conjunction with the Oro Grande Project will allow the Mojave Water Agency to conjunctively manage the Upper Mojave River Groundwater Basin with the R3 project allowing recharging and extraction of up to 40,000 acre-feet per year. This portion of the work consisted of constructing approximately 6.8 miles of 18-inch to 42-inch cement-mortar lined and coated steel pipe water main and appurtenances, valving, cathodic protection, repaving, and restorative work. The piping was constructed under open field and rural city streets, and the piping was bored under Highway 395, Interstate 15, and BNSF railway.
Rock Springs Turnout Pipeline	Mojave Water Agency	Victorville, CA	\$2,999,781	\$3,042,052	320 calendar days	Feb-12	Lorrie Steely Tel (760) 946-7020	Rock Springs Turnout pipeline project in Victorville, California. This was a component of the R3 overall project which will allow the Mojave Water Agency to conjunctively manage the Upper Mojave River Groundwater Basin with the R3 project allowing recharging and extraction of up to 40,000 acre-feet per year. The South of Rock Springs Pipeline will be within the 100-year floodplain and connect with the Rocks Springs Turnoff on the existing Morongo Basin Pipeline located within the FEMA Floodplain. The scope of work included installing approximately 9,000 linear feet of welded steel pipe ranging in size from 26-inches to 48-inches in diameter, pressure reducing valve assemblies, and flow meters. Other work included site work for a future turbine, pipeline video inspection, mainline utility cross, and ancillary electrical work.
Warnerville and Meadowmere Sewer and Pumping Station: Contract PS216G	New York City Department of Environmental Protection	Queens, NY	\$36,679,964	\$37,049,072	760 calendar days	Feb-11	Dan Nunez Tel (973) 961-6954	E.E. Cruz (a Flatiron subsidiary) construction the project which was designed to provide sanitary sewers for homes and businesses in two adjacent communities in Queens, New York. Construction of the sewers included the use of traditional cut-and-cover techniques with sewers supported by helical piles and concrete cradles. In order to install the sewers, a well point dewatering system needed to be put in place. In addition, 2000 linear feet of 12 inch poly-crete pipe was installed by utilizing microtunneling technology along two very busy roadways, Rochaway and Brookville Boulevard. Extensive maintenance and protection of traffic was required to protect pedestrians and workers during construction. To connect this new sewer system to an existing system, approximately 2700 linear feet of dual 8 inch HDPE force main was installed by horizontal directional drilling. This work was performed within a tight space due to the tidal wetlands on both sides of the work area. E.E. Cruz was also responsible for construction a new unmanned pumping station in order to feed the dual force main. Construction of the 30 foot deep pumping station required the installation of a cofferdam composed of a jet grout cut-off plug and installation of 30 micropiles. Above the pump station a new electrical building was constructed to house the power and automated controls for the pumping station.

Bidder's Experience - Water Projects

Project Name	Owner	Location	Contract Price	Final Contract Price	Construction Time	Date of Substantial Completion	Owner Representative Contact Information	Description of Project
Jordanelle Hydroelectric Dam	Central Utah Water Conservancy District	Heber, Utah	\$8,100,000	\$10,300,000		Jul-08	General Manager & Chief Engineer David Pitcher Tel 801-226-7100	This project consists of a cast-in-place reinforced concrete powerhouse building with welded steel penstock, rip rapped tailrace channel, and other site improvements, constructed adjacent to the existing Outlet Works Control Structure at the base of Jordanelle Dam, near Heber City, Utah. The approximate plan dimensions of the powerhouse are 105 feet by 55 feet, with an appurtenant 75-foot by 25-foot at-grade control room. The project also includes the installation of Owner-furnished main power, transformer and turbine-generator equipment, along with certain services of manufacturers representatives during installation, testing and startup. The turbine-generator equipment includes two horizontal Francis-type hydraulic turbines, 12.47kV synchronous generators, hydraulic power and control units, 66-inch turbine inlet valves, and a plant control system. The penstock was connected to the dam's existing outlet conduit and consists of about 150 feet of 84-inch pipe, and 84-inch by 66-inch symmetrical bifurcation, about 100 total feet of 66-inch turbine branch piping, and various transition sections. Other major powerhouse features include a control room, battery room, 25-ton bridge crane, tailbay gates with monorail crane, standby engine-generator, switchgear, and various mechanical and electrical systems. The work also included excavation, dewatering, a secant pile wall dewatering cutoff, and the testing and startup of the completed facility. The work included maintaining operation of the Jordanelle Dam outlet works during the period of construction. The tailbay area is a hydraulic structure.
Genesee Dam & Reservoir No 2	Genesee Water District	Kittredge, CO	\$6,000,000	\$6,000,000	515 calendar days	Nov-07	Scott Jones Tel 303-278-9780	The Genesee Dam No. 2 is a roller compacted concrete dam comprised of 34,500 cubic yards of concrete and standing 102 feet tall. The project included an outlet structure, blasting quarry and an RCC processing plant. The RCC did not require the testing of slumps and breaks, but instead required density testing in order to determine the integrity of the material. The RCC was placed in one-foot lifts directly onto the dam. A bulldozer spread and leveled the RCC, and a sensor notified the operator once the layer was level. Once level, the surface was ready for another batch of material. RCC cures quickly, so once it was leveled and compacted, the next lift was poured almost immediately. The Genesee Dam No. 2 holds water pumped from Bear Creek for later use as drinking water. The new dam holds approximately one hundred acre feet of water – about 32 million gallons. The project weathered two major storms that dumped 50 inches of snow, and winter temperatures stayed below 10 degrees for many days, posing challenges to RCC production and placement. The team placed 40 lifts in just 21 days to complete the project on schedule. Flatiron managed this joint venture team.
Point of the Mountain Water Treatment Plant	Metropolitan Water District of Salt Lake and Sandy	Cottonwood Heights, UT	\$79,300,000	\$79,300,000	1095 calendar days	Aug-07	Wayne Windsor Tel 801-942-1391	This Treatment Plant, now completed, is one of the most modern in the state. It was built to accommodate 71 MG per day but has expansion capabilities to 151 MG per day. Construction consisted of an enhanced treatment plant with flocculation, ozonation, UV disinfection, chemical building, operations building, solids settling basins, and a complex distribution system. Self-performed work included the placement of 114” mortar lined welded steel pipe, up to 60” stainless steel piping, complex chemical building, motorized valves, various pumps, flocculators, filters, boiler heating system, 3-2 megawatt emergency generators, in line UV reactors, ozone generators, 48” sleeve valves, liquid oxygen system, instrumentation systems, and all civil and mechanical piping, sitework, electrical, and other related work. Instrumentation systems included tying Profibus and Devicenet into the Scada System. This project includes (6) six vertical turbine pumps with each pump rated at 2000 hp; for a combined total horsepower of 12,000 hp. This is one of the largest hydraulic basin retaining treatment plant structures in Utah. Over 70,000 cubic yards of concrete were poured on the project. The concrete also has one of the highest reinforcement quantities for a plant this size. The reinforcement is over an average of 333 lbs. per CY of concrete, totaling 11,655 tons of reinforcement. We used multiple concrete gang form systems to form walls that were up to 30 feet tall and included suspended decks, radius corners, thickened slabs, water channels, inbeds for equipment and roof structure. The concrete finishes are an ACI Class A finish and hydraulic retention is currently at 100%. Due to the complex nature of the project, we held daily project coordination meetings with all subcontractors and foremen on the jobsite. We also were maintaining OCIP safety standards and training during all aspects of the work being performed. Our team worked closely with the engineers and owners to maintain the utmost quality of the complicated systems being installed.

# Tab 9



### Part III – Qualifications and Project Experience

Flatiron West, Inc. is the heavy civil construction group which operates in Northern and Southern California under Flatiron Construction Corporation with offices in Benicia, San Marcos and Chino California.

E.E. Cruz & Company, a Flatiron subsidiary, is the heavy civil construction group which operates on the East Coast under Flatiron Construction Corporation as well.

Flatiron Construction Corp. is owned and operated by HOCHTIEF Construction AG which also owns and operates numerous construction and engineering firms worldwide. In an effort to meet all of the listed experience requirements for the BNR Request for Prequalification, Flatiron will be submitting under our local based contracting firm (Flatiron West, Inc.) which is located in Benicia, CA and is the California Licensed Engineering Contractor for the Flatiron Construction Corp. Companies.

Flatiron Construction Corp. companies under HOCHTIEF Construction AG have built numerous water, wastewater, and pump station projects throughout the United States. Three of these projects which have been completed within the last 15 years with a project value greater than \$100,000,000 meeting the pre-qualification requirements are listed below.

- 1) **Rahway Valley Sewerage Authority Contract 155** which was completed in Feb. 2009 at a contract value of \$138,965,112 in Rahway, New Jersey.  
*(July 2015 value is \$163,458,669 based on ENR 20-City Construction Cost Index)*
- 2) **Flushing Bay CSO Contract 4-4G** which was completed in Nov. 2008 at a contract value of \$133,737,200 in Queens, New York  
*(July 2015 value is \$156,047,462 based on ENR 20-City Construction Cost Index)*
- 3) **Flushing Bay CSO Contract 4-3** which was completed in Sept. 2001 at a contract value of \$115,054,915 in Queens, New York  
*(July 2015 value is \$180,692,564 based on ENR 20-City Construction Cost Index)*

Worldwide under Thiess, which is part of the CIMIC Group of HOCHTIEF Construction AG, has constructed various large scale water and wastewater projects such as:

- Wonthaggi, VIC Australia Desalination Project.  
Thiess was part of the AquaSure Consortium which was responsible for design, build, and operating the \$3.5 Billion public-private partnership that constructed the largest desalination plant in Australia and one of the largest Reverse Osmosis Plants in the world that was commissioned in 2012.
- Perth, Western Australia wastewater treatment plant upgrades.  
Thiess was part of the W2W (Water 2 Water) Alliance to upgrade 3 of Perth's wastewater plants for \$352,000,000.

Similar types of projects that deal with water conveyance, pumping, I&C designed and/or constructed by HOCHTIEF within the last several years include:

- **La Confluencia Hydroelectric Plant:**

This run-of-river hydroelectric power station Southeast of Santiago de Chile included cast-in-place concrete, installation of turbines/generators, tunneling and connection to the system grid. This project was completed in 2010 with a contract value of EUR 185 Million.

- **Anthracite Coal Power Plant Walsum, Unit 10:**

This coal-fired power plant is located in Duisburg Germany for Hitachi Power Europe. This project was completed in 2009 with a contract value of EUR 100 Million.

- **Cheves Hydropower Plant:**

The Cheves hydroelectric power station located in Peruvian Andes is a 160-megawatt plant which was completed in 2013 with a contract value of EUR 187 Million.

A side from the large scale Water Infrastructure and similar projects listed above, Flatiron and its Subsidiary companies are actively pursuing and have constructed similar type Water Infrastructure projects varying in size and complexity throughout the United States.

The following is a list and size of these Water Infrastructure Projects completed and under construction within the last several years.

- **Leo J Vander Lans Advanced Water Treatment Facility Expansion**

Location: Long Beach, CA  
Value: \$32,000,000  
Completed: 2014  
Treatment: Microfiltration, RO, UV, DAFT

- **Santaquin Water Reclamation Facility**

Location: Santaquin, Utah  
Value: \$14,951,220  
Completed: 2013  
Treatment: BNR, MBR, UV

- **Southwest Groundwater Treatment Plant**

Location: West Jordan, Utah  
Value: \$24,000,000  
Completed: 2011  
Treatment: RO, UV



- Genesee Dam & Reservoir No.2  
Location: Kittredge, CO  
Value: \$6,000,000  
Completed: 2011  
Treatment: Storage/Distribution
- Lenihan Dam Outlet Modifications  
Location: Los Gatos, CA  
Value: \$39,000,000  
Completed: 2009  
Treatment: Storage/Distribution
- Calaveras Dam Replacement  
Location: Sunol, CA  
Value: \$507,000,000  
Under Construction-Completion Fall 2018  
Treatment: Storage/Distribution

To meet the project experience requirements for this prequalification submittal in PART III, 39-A Contractor Experience items A thru J, we submit the following three projects which have been completed in the U.S. under our subsidiary company name on the East Coast, E.E. Cruz. All three of these projects meet the project value criteria of \$100 million or more within the last 15 years and greater than \$150,000,000 in July 2015 dollars. Please see the attached detailed project information for:

- **Project 1 – Rahway Valley Sewerage Authority Contract 155**
- **Project 2 – Flushing Bay CSO, Contract 4-3**
- **Project 3 – Flushing Bay CSO, Contract 4-4G**

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Henry Tolp, Vice President

**Project # 1 – Rahway Valley Sewerage Authority, Contract 155**

- a. Project name: **Rahway Valley Sewerage Authority, Contract 155**
- b. Firm's role and percent of work performed: EE Cruz, a Flatiron Subsidiary was the prime contractor and self-performed 64% of this contract.
- c. Project location: Rahway, New Jersey
- d. Project description: **See attached detailed project sheet directly behind this page.**
- e. Name, address and phone number of the project owner:  
Rahway Valley Sewerage Authority (RVSA)  
1030 East Hazelwood Ave  
Rahway, New Jersey 07065  
Owner Contact: Robert Valent, Superintendent for RVSA or John Buonocore  
Phone 732-388-0868
- f. Name, address and phone number of the design engineer:  
PS&S/CDM/Metcalf & Eddy  
Contacts: James Wancho / Ken Smith / Gary Hunt  
Phones: 732-584-0371 / 516-496-8400 / 215-399-4377
- g. Name, address and phone number of the construction manager:  
CCMS  
1670 NJ-34  
Wall Township, New Jersey 07727  
Contact: David Coats or Lino DeAlmedia  
Phone: 732-598-4236 or 732-303-1997
- h. Contract amount (U.S. dollars): Feb 2005 Bid amount was \$137,137,000  
Feb 2009 Final Amount \$138,965,112 (including change orders)  
**August 2015 ENR 20 City Construction Cost Index Value: \$163,554,506**
- i. Number and amount of change orders: 5 Change orders in the amount of \$1,828,112 reflected 12 months of owner granted time extension to complete owner directed change orders.
- j. Project start date: Feb. 2005  
original contract completion date: Sept. 2008  
extended contract completion date: Feb. 2009  
actual completion date: Feb 2009

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**EE CRUZ** CO. INC.  
CONTRACTORS ENGINEERS

## Rahway Valley Sewerage Authority Contract 155

A HOCHTIEF Company

### Owner

Rahway Valley Sewerage Authority

### Location

Rahway, New Jersey

### Bid Value

\$137,137,000

### Market

Water/Wastewater

### Start - Completion Dates

02/2005 – 02/2009

- Pumping station construction
- Plant operation maintenance during construction
- Mass excavation
- Installation of sensitive equipment
- Installation of speciality equipment for primary, secondary and tertiary water treatment engineering for owner savings
- Modifications and retrofitting of existing treatment systems

## Project # 1 – Detailed Description

The Rahway Valley Sewerage Authority Wastewater Treatment Plant's sewage capacity was expanded from 63MGD to 105 MGD and upgraded and replaced the plant's outdated systems. All work was performed while maintaining plant operations by utilizing temporary SOE systems which included the installation of sheet piling and soldier piles, steel wales and struts, and tiebacks.

Construction consisted of major upgrades to the primary, secondary, and tertiary treatment facilities. Upgrades to these facilities consisted of the construction of a new headworks facility, construction of a new primary settling tank, upgrades to the aeration system, construction of new final settling tanks, construction of a new effluent sand filter facility, construction of a new UV disinfection chamber, construction of a new effluent pump station, and the construction of a new cascade aeration station. The project also included construction of a new rotary drum building.

### Additional project elements:

- Installation of sheet piles, wales, and struts
- Construction of concrete caissons
- Construction of tie-back temporary walls
- Pile Installation
- Installation of over 110 pumps ranging from 5-700 HP
- Structural steel installation
- Miscellaneous architectural finish work
- Installation of UV disinfection treatment system
- Implementation of value engineering for owner savings
- Installation of odor control system
- Implementation of plant control and operation system
- Operation of plant and training of owners personnel

### Company Role

E.E. Cruz, a Flatiron subsidiary, was the primary contractor on this project.

**Owner Contact Info:** Robert Valent, Superintendent for Rahway Valley Sewerage Authority  
1030 East Hazelwood Ave., Rahway, New Jersey 07065  
Phone: 732-388-0868 Ext. 221





**Project # 2 – Flushing Bay CSO - Contract 4-3**

- a. Project name: **Flushing Bay CSO - Contract 4-3**
- b. Firm's role and percent of work performed: EE Cruz, a Flatiron Subsidiary was a Joint Venture partner with Frontier Kemper on this project. EE Cruz self-performed 53% of this project.
- c. Project location: Queens, New York
- d. Project description: **See attached detailed project sheet directly behind this page.**
- e. Name, address and phone number of the project owner:  
New York City Department of Environmental Protection  
59-17 Junction Boulevard, 13<sup>th</sup> Floor  
Flushing, New York 11373  
Owner Contact: Louis Huang  
Phone: 718-595-6576
- f. Name, address and phone number of the design engineer:  
Was URS (now part of AECOM)  
One Penn Plaza, Suite 600  
New York, New York 10119-0698  
Phone: 212-736-4444
- g. Name, address and phone number of the construction manager:  
Malcolm Pirnie was the CM Firm. They were purchased by Arcadis in June 2013  
44 South Broadway, 15<sup>th</sup> Floor  
White Plains, New York 10601  
Contact: John O'Sullivan  
Phone: 914-498-6233
- h. Contract amount (U.S. dollars): Apr 1997 Bid amount was \$113,200,000  
Sept 2001 Final Amount \$115,054,915 (including change orders)  
**August 2015 ENR 20 City Construction Cost Index Value: \$ 180,692,564**
- i. Number and amount of change orders: change orders in the amount of \$1,854,915 granted extension of time based on additional excusable delays that were directly related to additional scope of work changes on the project by owner directed change orders.
- j. Project start date: April 1997  
original contract completion date: Oct 1999  
extended contract completion date: Sept 2001  
actual completion date: Sept 2001

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**E.E. CRUZ** CO. INC.  
CONTRACTORS / ENGINEERS

## Flushing Bay CSO - Contract 4-3

A HOCHTIEF Company

### Owner

New York City Department of Environmental Protection

### Location

Queens, New York

### Bid Value

\$113,200,000

### Market

Water/Wastewater

### Start - Completion Dates

4/1997 - 9/2001

- 43 million gallon underground, reinforced concrete, combined sewage storage tank
- Excavation and disposal of 300,000 cubic yards of contaminated/hazardous soil
- Installation and maintenance of a deep well and well point monitoring system

**Owner Contact: Louis Huang**

**Phone: 718-595-6576**

## Project # 2 – Detailed Description

This project is the first phase of a two phase program to construct the Flushing Bay Combined Sewer Overflow Retention Facility. The project included the construction of a 43 million gallon underground, reinforced concrete, combined sewage storage tank on the site of a former city landfill.

The excavation and support of the cut-off wall consisted of a support system made up of tangent pile walls and jet grout columns drilled continuously to depths of 120 feet. With excavation depths up to 80 feet, the construction included the removal of 400,000 cubic yards of soil and contaminated materials. Final tank construction required the placement of approximately 122,000 cubic yards of concrete, 16,000 tons of steel reinforcement, interior utility tunnels, and extensive mechanical work.

### Additional project elements:

- Installation of sheet piles, wales, and struts
- 900 in-situ samples for soil classification
- Excavation and disposal of 300,000 cubic yards of contaminated/hazardous soil
- Total excavation and disposal of 450,000 cubic yards of material
- Installation and maintenance of a deep well and well point monitoring system
- Installation of an excavation monitoring system (consisting of piezometers, inclinometers, and settlement monitors)
- Construction of 160,000 square feet of tangent pile walls (5 feet in diameter)
- Construction of 436 jet grout columns (up to 120 feet deep)
- Installation of 6,000 linear feet of wales and 100 linear feet of 36 inch to 48 inch diameter struts and rakers (all preloaded)
- Construction of 410 EA multi strand soil anchors (160 to 225 kips)
- Installation of 125,000 cubic yards of structural concrete
- Installation of 15,000 tons of reinforcing steel



### Company Role

E.E. Cruz, a Flatiron subsidiary, was part of the E.E. Cruz/Frontier-Kemper Joint Venture team that constructed this project.

**Project # 3 – Flushing Bay CSO - Contract 4-4G**

- a. Project name: **Flushing Bay CSO - Contract 4-4G**
- b. Firm's role and percent of work performed: EE Cruz, a Flatiron Subsidiary was the prime contractor. EE Cruz self-performed 39% of this project.
- c. Project location: Queens, New York
- d. Project description: **See attached detailed project sheet directly behind this page.**
- e. Name, address and phone number of the project owner:  
New York City Department of Environmental Protection  
59-17 Junction Boulevard, 13<sup>th</sup> Floor  
Flushing, New York 11373  
Owner Contact: Mike Borsykowsky  
Phone: 718-595-5921
- f. Name, address and phone number of the design engineer:  
Was URS (now part of AECOM)  
One Penn Plaza, Suite 600  
New York, New York 10119-0698  
Phone: 212-736-4444
- g. Name, address and phone number of the construction manager:  
Malcolm Pirnie was the CM Firm. They were purchased by Arcadis in June 2013  
44 South Broadway, 15<sup>th</sup> Floor  
White Plains, New York 10601  
Contact: John O'Sullivan  
Phone: 914-498-6233
- h. Contract amount (U.S. dollars): Feb 2002 Bid amount was \$123,443,930  
Nov 2008 Final Amount \$133,737,200 (including change orders)  
**August 2015 ENR 20 City Construction Cost Index Value: \$ 154,805,705**
- i. Number and amount of change orders: 80 Change orders in the amount of \$10,293,270 granted extension of time based on additional excusable delays directly related to additional scope of work changes on the project by owner directed change orders.
- j. Project start date: Feb 2002  
original contract completion date: July 2005  
extended contract completion date: Nov 2008  
actual completion date: Nov 2008



*Build the Best. Be the Best.*



**CRUZ** CO. INC  
CONTRACTORS ENGINEERS

## Flushing Bay CSO: Contract 4-4G

A HOCHTIEF Company

### Owner

New York City Department of Environmental Protection

### Location

Queens, New York

### Bid Value

\$123,443,930

### Market

Water/Wastewater

### Start - Completion Dates

02/2002 – 11/2008

- Mass excavation of contaminated material
- Extensive mechanical work
- Construction of an 11,000 square foot maintenance facility

**Owner Contact: Mike Borsykowsky**  
**Phone: 718-595-5921**

## Project # 3 – Detailed Description

This was the second phase of a two phase program to construct the Flushing Bay Combined Sewer Overflow Retention Facility. The project involved mass excavation of contaminated material, construction of a deep soil mix earth support system, dewatering, site utility work, pipe piles, and the installation of steel sheet piling, reinforced concrete, and structural steel.

The project required extensive mechanical work which included the installation of nine tide gates, two belt conveyor systems, five three story mechanical bar screens, a storage cell flushing and cleaning system, chemical and air treatment systems, and interconnection piping. In addition, E.E. Cruz constructed a 40,000 square foot structural steel building with a brick façade, a 25,000 square foot recreational facility, and an 11,000 square foot maintenance facility for the NYC Department of Parks and Recreation.

### Additional project elements:

- In-site soil classification
- Excavation of 115,000 cubic yards of contaminated soil (35 feet deep)
- Construction of 65,000 square feet of soil mix wall for support of excavation
- Installation of over 400 multi-strand soil anchors
- 90,000 square feet of steel sheeting (60 feet long)
- 15,000 square feet of soldier piles and lagging
- Construction of 35,000 cubic yards of structural concrete
- Installation of 4,500 tons of reinforcing system
- Construction of a 40,000 square foot structural steel building with brick facade
- Construction of a 25,000 square foot recreational facility
- Installation of five 175 HP submersible pumps
- Installation of an odor control system, flushing water system, and seal and service water systems
- Construction of sluice gates and bar screens



### Company Role

E.E. Cruz, a Flatiron subsidiary, was the primary contractor on this project.

# Tab 10



**SFPUC Pre-Qualified Contractors  
As of  
16-March-2017**

*The following contractors are pre-qualified to bid under the designated project categories through the end of the listed month.*

**Local Water Pipeline Projects (less than 48")**

Preston Pipelines, Inc. (Apr16)  
ARB, Inc. (July16)  
Power Engineering (Mar 17)  
M. Hernandez Construction DBA Hernandez Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
A. Ruiz Construction Co. (Mar 17)  
Cal State Constructors, Inc. (Apr17)  
J. Flores Construction (Apr17)  
NTK Construction, Inc. (Apr17)  
Trinet Construction (Apr17)  
Sanco Pipelines Inc. (May17)  
JMB Construction (May17)  
Ranger Pipelines (May17)  
Shimmick Construction (Jun17)  
Stacy & Witbeck (Aug17)  
D'Arcy & Harty Construction (Aug17)  
PCL Construction, Inc. (Aug17)  
D&D Pipelines (Sep17)  
Quest Civil Constructors (Sep17)  
M Squared Construction (Dec 17)  
Azul Works (Dec 17)  
KJ Woods Construction, Inc. (Dec 17)  
P&J Utility Company (Dec 17)  
S.J. Louis Construction, Inc. (Feb18)  
Mountain Cascade, Inc. (Jun 18)  
Kiewit Infrastructure Group (Jun 18)  
A&B Construction (Jun18)  
Shaw Pipeline, Inc. (July18)  
Fontenoy Engineering (July18)  
Empire Engineering (July18)  
Steve P. Rados, Inc. (July18)  
Cratus, Inc. (July18)  
Precision Engineering, Inc. (Aug18)  
Super Excavators, Inc. (Sep18)  
Sukut Construction, LLC (Sep18)  
Con-Quest Contractors, Inc. (Jan19)  
Oscar Renda Contracting (Jan19)  
McGuire & Hester (Mar19)

### **Local Water Reservoirs**

Balfour Beatty Infrastructure, Inc. (May16)  
Webcor Builders (July16)  
Power Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
Cal State Constructors, Inc. (Apr17)  
NTK Construction, Inc. (Apr17)  
Ranger Pipelines (May17)  
Flatiron West, Inc. (May17)  
Shimmick Construction (Jun17)  
R & W Concrete Contractors, Inc. (Jun17)  
Valentine Corporation (Aug17)  
Monterey Mechanical (Aug17)  
S. J. Amoroso (Aug17)  
Nibbi Bros. (Sept17)  
Quest Civil Constructors (Sep17)  
Thompson Builders (Feb18)  
Mountain Cascade, Inc. (Jun 18)  
Kiewit Infrastructure Group (Jun 18)  
Walsh Construction (July18)  
Sukut Construction, LLC (Sep18)  
Proven Management (Feb19)

### **Local Water Pump Stations/Tanks**

Balfour Beatty Infrastructure, Inc. (May16)  
ARB, Inc. (July16)  
Pacific Infrastructure Corp. (Aug16)  
Barnard Construction Co. (Feb17)  
Power Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
Cal State Constructors, Inc. (Apr17)  
NTK Construction, Inc. (Apr17)  
Trinet Construction (Apr17)  
JMB Construction (May17)  
Ranger Pipelines (May17)  
Flatiron West, Inc. (May17)  
Shimmick Construction (Jun17)  
Valentine Corporation (August 17)  
PCL Construction, Inc. (Aug17)  
WM Lyles Co. (Aug17)  
Monterey Mechanical (Aug17)  
S. J. Amoroso (Aug17)  
Nibbi Bros. (Sept17)  
Thompson Builders (Feb18)  
Western Water Contractors, Inc. (Apr18)  
Mountain Cascade, Inc. (June 18)  
Kiewit Infrastructure Group (June 18)  
Walsh Construction (July18)

Steve P. Rados, Inc. (July18)  
Anvil Builders, Inc. (October 18)  
Oscar Renda Contracting (Jan19)  
Proven Management (Feb19)  
McGuire & Hester (Mar19)  
Rubecon General Contracting, Inc. (Mar 19)

**Sewer Pipeline Projects**

Preston Pipelines, Inc. (Apr16)  
ARB, Inc. (July16)  
Spiniello Companies (Aug16)  
Teichert Construction (Aug16)  
Power Engineering (Mar 17)  
M. Hernandez Construction DBA Hernandez Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
A. Ruiz Construction Co. (Mar 17)  
Sanco Pipelines Inc. (May17)  
Cal State Constructors, Inc. (Apr17)  
J. Flores Construction (Apr17)  
NTK Construction, Inc. (Apr17)  
Trinet Construction (Apr17)  
JMB Construction (May17)  
Ranger Pipelines (May17)  
Shimmick Construction (Jun17)  
D'Arcy & Harty Construction (Aug17)  
Stacy & Witbeck (Aug17)  
WM Lyles Co. (Aug17)  
Quest Civil Constructors (Sep17)  
M Squared Construction (Dec17)  
KJ Woods Construction, Inc. (Dec17)  
P&J Utility Company (Dec 17)  
S.J. Louis Construction, Inc. (Feb18)  
A&B Construction (Jun18)  
Mountain Cascade, Inc. (June 18)  
Shaw Pipeline, Inc. (July18)  
Steve P. Rados, Inc. (July18)  
Cratus, Inc. (July18)  
Michels Corporation (Sep18)  
Super Excavators, Inc. (Sep18)  
J.F. Shea Construction (Dec18)  
Con-Quest Contractors, Inc. (Jan19)  
Oscar Renda Contracting (Jan19)  
McGuire & Hester (Mar19)

**Wastewater Treatment Facilities**

Balfour Beatty Infrastructure, Inc. (May16)  
ARB, Inc. (July16)  
Pacific Infrastructure Corp. (Aug16)

Power Engineering (Mar 17)  
Cal State Constructors, Inc. (Apr17)  
NTK Construction, Inc. (Apr17)  
MWH Constructors, Inc. (Apr17)  
Skanska (May17)  
JMB Construction (May17)  
Shimmick Construction (Jun17)  
PCL Construction, Inc. (Aug17)  
WM Lyles Co. (Aug17)  
Monterey Mechanical (Aug17)  
S. J. Amoroso (Aug17)  
Blocka Construction, Inc.(Nov17)  
Western Water Contractors, Inc. (Apr18)  
Mountain Cascade, Inc. (Jun 18)  
Kiewit Infrastructure Group (Jun 18)  
Walsh Construction (July18)  
Steve P. Rados, Inc. (July18)  
Flatiron West, Inc. (Aug18)  
Oscar Renda Contracting (Jan19)

**Wastewater Pump Stations**

Balfour Beatty Infrastructure, Inc. (May16)  
ARB, Inc. (July16)  
Power Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
Cal State Constructors, Inc. (Apr17)  
NTK Construction, Inc. (Apr17)  
MWH Constructors, Inc. (Apr17)  
Skanska (May17)  
JMB Construction (May17)  
Ranger Pipelines (May17)  
Shimmick Construction (Jun17)  
PCL Construction, Inc. (Aug17)  
WM Lyles Co. (Aug17)  
Monterey Mechanical (Aug17)  
S. J. Amoroso (Aug17)  
Blocka Construction, Inc.(Nov17)  
Mountain Cascade, Inc. (Jun 18)  
Walsh Construction (July18)  
Steve P. Rados, Inc. (July18)  
Flatiron West, Inc. (Aug 18)  
Oscar Renda Contracting (Jan19)  
McGuire & Hester (Mar19)

**Regional Water Tunnel Projects (TBM)**

Barnard Construction Co. (Feb17)  
Jay Dee Contractors, Inc. (Sep17)  
Kiewit Infrastructure Group (Jun 18)  
Michels Corporation (Sep18)

Southland Contracting, Inc. (Feb 19)

**Regional Water Tunnel Projects (Conventional Method)**

Barnard Construction Co. (Feb17)  
Kiewit Infrastructure Group (June 18)  
Super Excavators, Inc. (Sep18)  
Southland Contracting, Inc. (Feb 19)

**Large Diameter Pressure Pipelines (greater than 48")**

Preston Pipelines, Inc. (Apr16)  
Barnard Construction Co. (Feb17)  
Mitchell Engineering (Mar 17)  
Ranger Pipelines (May17)  
Flatiron West, Inc. (May17)  
Shimmick Construction (Jun17)  
PCL Construction, Inc. (Aug17)  
WM Lyles Co. (Aug17)  
S.J. Louis Construction, Inc. (Feb18)  
Mountain Cascade, Inc. (Jun 18)  
Kiewit Infrastructure Group (Jun 18)  
A&B Construction (Jun18)  
Walsh Construction (July18)  
Steve P. Rados, Inc. (July18)  
Oscar Renda Contracting (Jan19)  
Con-Quest Contractors, Inc. (Jan 19)  
Southland Contracting, Inc. (Feb19)  
McGuire & Hester (Mar19)

**Regional Structural – Retrofit Projects**

Power Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
Ranger Pipelines (May17)  
R & W Concrete Contractors, Inc. (Jun17)  
Monterey Mechanical (Aug17)  
S. J. Amoroso (Aug17)  
Quest Civil Constructors (Sep17)  
Walsh Construction (July18)  
Flatiron West, Inc. (Aug18)

**Regional Water Treatment Plants**

Balfour Beatty Infrastructure, Inc. (May16)  
Shimmick Construction (Jun17)  
PCL Construction, Inc. (Aug17)  
WM Lyles Co. (Aug17)  
Monterey Mechanical (Aug17)  
S. J. Amoroso (Aug17)  
Western Water Contractors, Inc. (Apr18)

Kiewit Infrastructure Group (Jun 18)  
Walsh Construction (July18)  
J.F. Shea Construction (Dec18)

**Regional Valve Lots**

Power Engineering (Mar 17)  
Mitchell Engineering (Mar 17)  
NTK Construction, Inc. (Apr17)  
Ranger Pipelines (May17)  
Shimmick Construction (Jun17)  
WM Lyles Co. (Aug17)  
Monterey Mechanical (Aug17)  
Quest Civil Constructors (Sep17)  
Thompson Builders (Feb18)  
Western Water Contractors, Inc. (Apr18)  
Mountain Cascade, Inc. (Jun 18)  
Kiewit Infrastructure Group (Jun 18)  
A&B Construction (Jun18)  
Steve P. Rados, Inc. (July18)  
McGuire & Hester (Mar 19)

**Habitat Development Projects**

Power Engineering (Mar 17)  
Gordon N. Ball, Inc. (Mar 17)  
Sean W. Smith, Inc. (Apr17)  
Ranger Pipelines (May17)  
Shimmick Construction (Jun17)  
Natures Image (Sep17)  
Kiewit Infrastructure Group (Jun 18)  
McGuire & Hester (Mar 19)

Tab 11



CAPITAL PROGRAM SERVICES  
5750 ALMADEN EXPRESSWAY  
SAN JOSE, CA 95118-3686  
TELEPHONE (408) 265-2600  
FACSIMILE (408) 979-5631  
[www.valleywater.org](http://www.valleywater.org)  
[scvwdplanroom@valleywater.org](mailto:scvwdplanroom@valleywater.org)

October 22, 2014

Michael Costa, District Manager  
Flatiron West Inc.  
2100 Goodyear Road  
Benicia, CA 94510

Subject: Rinconada Water Treatment Plant Reliability Improvement Project  
Project No. 93294057  
Notice of Proposed Prequalification Rating  
for General Contractors Seeking to Bid

Dear Mr. Costa:

The Prequalification Application submitted by Flatiron West Inc. for the above referenced Project has been received and evaluated. The District has determined that Flatiron is prequalified to bid on the Project. The Prequalification Application Scoring Worksheet for your firm is enclosed for your reference.

The District anticipates advertising the Project for bids in February of 2015 and a notification will be emailed to you at that time.

If you have any questions, please contact me at (408) 630-2682.

Sincerely,

Beth Redmond  
Capital Program Planning & Analysis Unit Manager

Enclosure: Prequalification Application Scoring Worksheet  
Sent via email: [lisimon@flatironcorp.com](mailto:lisimon@flatironcorp.com); [rhusch@flatironcorp.com](mailto:rhusch@flatironcorp.com)



## FINAL PREQUALIFICATION RATING LIST

POSTED NOVEMBER 24, 2014

**RINCONADA WATER TREATMENT PLANT RELIABILITY IMPROVEMENT PROJECT**  
**Project No. 93294057**

	COMPANY	FINAL PREQUALIFICATION RATING
1	Balfour Beatty Infrastructure, Inc.	PREQUALIFIED
2	Flatiron West Inc.	PREQUALIFIED
3	Kiewit Infrastructure West Co.	PREQUALIFIED
4	McCarthy Building Companies, Inc.	PREQUALIFIED
5	Walsh Construction Company II, LLC.	PREQUALIFIED
6	MWH Constructors, Inc.	PREQUALIFIED
7	PCL Construction, Inc.	PREQUALIFIED
8	Shimmick Construction Company, Inc.	PREQUALIFIED
9	Skanska USA Civil West California District Inc.	PREQUALIFIED

### 1. NOTICE OF REQUEST FOR PREQUALIFICATION

- A. Notice is hereby given that the District has determined that all contractors wishing to bid on the Rinconada Water Treatment Plant Reliability Improvement Project (Project) must be prequalified prior to submitting a bid on the Project. A current Class A California Contractor's license is required to bid on the Project. Bids will not be accepted from any contractor that has failed to comply with these requirements. However, if fewer than three firms are determined to be prequalified, the District reserves the right to solicit bids for the Project without requiring prequalification. The prequalification is for the Rinconada Water Treatment Plant Reliability Improvement Project only.
- B. Project Description: The RWTP Reliability Improvement Project includes demolition of existing clarifiers and filters and construction of the following major project components: raw water ozone and liquid oxygen systems, flash mixing and carbon dioxide injection, flocculation and sedimentation basins, filtration, washwater recovery facility, new and modified chemical systems, and major electrical and instrumentation upgrades. The Project will be constructed in sequential order and the construction is scheduled to be completed in five years at the total cost of approximately \$160 million to \$200 million. Except for certain brief plant shutdowns, the RWTP will remain in operation during construction.
- C. Application Submission: The fully completed Prequalification Application must be submitted in a sealed envelope marked—**CONFIDENTIAL—Prequalification Application, RWTP Reliability Improvement Project** addressed to Ms. Beth Redmond, Capital Program Planning and Analysis Unit Manager, Santa Clara Valley Water District, 5750 Almaden Expressway, San Jose, California 95118, no later than 2 p.m. on **September 4, 2014**. It is the sole responsibility of the Contractor to ensure that their Prequalification Application is received no later than the stated deadline.

Contractors electing to submit Prequalification Applications by FEDEX, UPS, DHL, CA Overnight, Golden State Overnight etc., must address the outside delivery envelope as follows:

Santa Clara Valley Water District  
Attention: Construction Program—**Prequalification Application**  
5905 Winfield Boulevard  
San Jose, CA 95123-2428

**Note:** USPS (U.S. Mail) does not deliver to 5905 Winfield Boulevard.

# Tab 12

# JASON BURDEN

Jason has been in the construction industry for 21 years with 18 years in the water/wastewater and industrial construction industry beginning as a craftsman. Jason has extensive experience managing all aspects of construction of water/wastewater projects, from the design and implementation of dewatering systems to large structure excavations, estimating, construction of process structures, and installation of the process equipment and piping systems. His experience includes project scheduling, planning, procurement, and coordination with owners, plant management, and engineering staff as well as start-up and commissioning of these facilities.

## WORK EXPERIENCE

### WATER/WASTEWATER CONSTRUCTION OPERATIONS AND PURSUITS / ESTIMATING AREA MANAGER, FLATIRON WEST, INC. (JANUARY 2015 TO PRESENT)

As water/wastewater construction operations and pursuits/estimating area manager, Jason manages Flatiron's water/wastewater construction operations on the West Coast as well as project pursuits.

#### YEARS OF EXPERIENCE

Construction Industry: 21

Water/Wastewater Industry: 18

#### EDUCATION/TRAINING

BS, Construction Management,  
California State University Fresno,  
CA 2002

#### PROFESSIONAL REGISTRATIONS / AFFILIATIONS

Competent Person Training

10 Hour OSHA Training

First Aid & CPR

STS Certified

- **CONSOLIDATED DEMOLITION PROJECT AT PLANT 2, ORANGE COUNTY SANITATION DISTRICT, HUNTINGTON BEACH, CA, \$17M (JANUARY 2017 TO PRESENT)**

Jason serves as project executive for the demolition of numerous treatment plant structures; utility modifications and structures; construction of new plant compressed air facility and oil dock facility; and replacement of plant engineering and construction operation facility. Starting in February 2017, the project will be completed in February 2019.

- **ECHO WATER NITRIFYING SIDESTREAM TREATMENT, SACRAMENTO REGIONAL SANITATION DISTRICT, ELK GROVE, CA, \$40M (FEBRUARY 2016 TO PRESENT).**

Jason serves as project executive for the construction of SSB (aeration basins) for ammonia reduction, storm water pump station, wash down pump station, effluent pump station, influent pump station, lime storage and feed facility, electrical building and switch gear facility and site improvements. Starting in February 2016, the project will be completed in January 2019.

### PROJECT MANAGER/SUPERINTENDENT, J.R. FILANC CO. (JUNE 2010 – JANUARY 2015)

- **MODESTO PHASE 2 WWTP EXPANSION, CITY OF MODESTO, MODESTO, CA, \$101M (JUNE 2012 – JANUARY 2015)**

Jason served as project manager for the 12.6MGD biological nitrogen removal/tertiary treatment project comprised of construction of bio-nutrient removal basins, membrane bio-reactor systems, UV disinfection facility, various pump stations, electrical buildings, operations & control building, a two-mile 36-inch outfall pipeline, a plant wide SCADA system incorporating various PLC's & HMI's, and various modifications to the existing 36MGD wastewater plant. He managed all field operations including coordination of crews and equipment between multiple companies. Jason was also involved with all aspects of project safety, quality, scheduling, procurement, and existing plant operations coordination.

## JASON BURDEN, CONTINUED

- **SOUTH BAY ADVANCED RECYCLED WATER TREATMENT FACILITY, SANTA CLARA VALLEY WATER DISTRICT, SAN JOSE, CA, \$42M (OCTOBER 2010 – JUNE 2014)**

Jason served as project manager for the construction of a 10MGD advanced treatment facility which included various pump stations, pressurized micro-filtration, reverse osmosis, and UV disinfection, and various chemical facilities for processes and CIP systems. It also included development of a plant SCADA system which incorporated process equipment manufacturers PLC's and HMI's, underground utilities, 48-inch bore & jack tunneling, and various modifications to the 167MGD San Jose-Santa Clara Regional Wastewater Facility. Jason developed and managed the project baseline schedule. He also managed all field construction crews and subcontractors, project safety and quality, and coordination with the San Jose-Santa Clara Regional Wastewater Staff for all modifications to the facility.

- **CHIEF ESTIMATOR, KIEWIT PACIFIC CO. (JUNE 2001 – JUNE 2010)**

While working on various Kiewit projects during his tenure, Jason estimated numerous projects which allowed him to transition into the chief estimator role after completing the Ellis Creek Wastewater Treatment Plant project. As chief estimator, Jason served as lead for plant and pump station estimates ranging from \$35M to \$150M. He managed and coordinated multiple disciplines for estimates along with managing mechanical estimating groups for multiple projects.

- **ELLIS CREEK WASTEWATER TREATMENT PLANT, CITY OF PETALUMA, PETALUMA, CA, \$118M (APRIL 2008 OCTOBER 2009)**

Jason served as superintendent for the construction of a new 6MGD wastewater/tertiary treatment plant to replace an existing facility. The project involved construction of a new headworks, clarifiers, oxidation ditches for primary/secondary treatment, a solids handling facility which included digesters, RAS/WAS pump stations, gravity belt thickeners, heat exchangers, and boilers, as well as an uplift sand filtration system and UV disinfection for tertiary treatment. Jason assisted with the completion of all structural work and managed the installation of the process treatment systems. His start-up and commissioning experience from previous projects and electrical background gave him the knowledge to assist with start-up & commissioning of this new plant as well as plan and manage the major plant tie-ins and exiting plant cut-overs to bring this new facility online.

- **HAYWARD WATER POLLUTION CONTROL FACILITY, CITY OF HAYWARD, HAYWARD, CA, \$46M (OCTOBER 2005 – APRIL 2008)**

Jason served as lead estimator and superintendent for the modification of primary and secondary treatment process of the existing 18MGD plant, addition of a new solids handling process and maintaining operations of the existing facility. This involved construction of a new primary distribution structure, replacement of influent and effluent primary pipelines, construction of two new secondary clarifiers and associated utilities, construction of new BNR aeration basins, a new solids handling gravity belt thickener system, and a new above ground trickling filter process, as well as multiple pump stations, electrical buildings, various underground utilities, as well as a 54-inch pipeline in the city street. Jason managed all aspects of work associated with the process systems including procurement, scheduling, installation, and start-up of each process which included each piece of equipment and piping system, as well as management of the electrical and instrumentation subcontractors. He also coordinated with existing plant facility staff to complete all plant shut downs and tie-ins without impacting existing operations.

## JASON BURDEN, CONTINUED

- **MANTECA WASTEWATER QUALITY CONTROL FACILITY, CITY OF MANTECA, MANTECA, CA \$27M (NOVEMBER 2004 – OCTOBER 2005)**

Jason served as superintendent for the construction of new headworks, sedimentation and aeration basins, circular clarifiers, electrical facilities, operation/laboratory building, and various pump stations. Additionally, he scheduled and managed the construction of multiple structures and the planning and installation of process piping and equipment and coordinated all subcontractor work.

- **PENITINCIA WATER TREATMENT PLANT, CITY OF PENITINCIA, PENITINCIA, CA \$36M (AUGUST 2003 – NOVEMBER 2004)**

Jason service as superintendent for the construction of an ozone contactor, generator, and associated chemical facilities and pump stations to add an ozone treatment process to the existing water treatment plant processes. Jason procured, scheduled, coordinated and managed the installation of the process equipment and piping for this facility. This involved significant coordination between manufacturers/suppliers, engineers, and owner for both contractor procured equipment and owner procured equipment.

- **PLEASANT GROVE WASTEWATER TREATMENT PLANT, PLEASANT GROVE, CA \$98M (JUNE 2002 – JULY 2003)**

Jason served as superintendent for the construction and start-up of a new wastewater plant. This included headworks, oxidation ditches, circular clarifiers, chlorine contact basin, uplift sand filtration, and a solids handling facility which included digesters, centrifuges, and a conveyor/hopper load out system, a plant operations facility and an integrated SCADA system with multiple PLC's. Jason supervised various crews for completion of the installation mechanical piping systems and assisting with the plant start-up.

# Tab 13





Corporation       x       Names of Corporate Officers  
State of Incorporation Delaware President See attached list of corporate officers.  
Secretary \_\_\_\_\_  
Treasurer \_\_\_\_\_  
Manager \_\_\_\_\_  
Joint Venture \_\_\_\_\_  
Other \_\_\_\_\_  
(Describe)

5. CONTRACTOR'S license: Primary Classification A  
State License No.: 772589 Expiration Date: 12/31/2017  
Supplemental license classifications: Not applicable
6. NAME of person who inspected the site of the proposed Work for the Bidder:  
Name: Jason Burden Date of inspection: January 19, 2017
7. CONTRACTOR'S Department of Industrial Relations (DIR) Registration No. 1000003999  
and email address sfrancis@flatironcorp.com

8. BIDDER'S EXPERIENCE

1. Bidder has been doing business under its present name for years. 8\*  
\*In January 2009, our company name changed from FCI Constructors, Inc. to Flatiron West, Inc. Our license #772589 remained the same.
2. Bidder has experience in work comparable in type and complexity with that required under the proposed contract which extends over a period of years as a General Contractor (Bidder must show at least five (5) years of related experience).  
See attached Project Information
3. The Bidder, as a Contractor, has never failed to satisfactorily complete a contract awarded to it, except as follows:  
Not applicable
4. Bidder must meet both criteria "a" and "b" below.
  - a. For the Owner to consider the Bidder to possess the proper capacity to perform work of similar nature to this project, the bidder must have completed at least \$250 million in construction volume over the past 5 years. Does the bidder meet this criteria: X yes; \_\_\_\_\_no?
  - b. For the Owner to consider the Bidder properly experienced in work of similar nature to this project, the Bidder must list at least \$250 million in construction volume on no more than five (5) and not less than three (3) projects completed within the last five (5) years of the following types of projects:

**FLATIRON WEST, INC. - LIST OF CORPORATE OFFICERS  
CORPORATION - STATE OF INCORPORATION IS DELAWARE**

<b>Name</b>	<b>Position</b>
John A. DiCiurcio	President /Chief Executive Officer
Lars Leitner	Chief Financial Officer
Javier Sevilla	Chief Operating Officer
Richard Grabinski	Senior Vice President
W. Todd Bennett	Vice President/Assistant Secretary
Michael Costa	Vice President
Frank Daams	Vice President
Steven Francis	Vice President
Dale A. Nelson	Vice President
Sven Stranzenbach	Vice President, Treasurer & Secretary
Marybeth Gallagher	Assistant Secretary

1. Water / Wastewater Treatment Plant Facility where the electrical, mechanical and instrumentation systems were part of the Contractor's contract.

The Bidder can include project(s) currently under construction, but only the total amount paid by the Owner(s) as of three (3) months prior to the bid date on uncompleted project(s) can be included in the construction volume for purposes of this certification.

Bidder also certifies that Bidder self-performed at least fifty percent (50%) of the Work on each of the projects listed below.

If the Bidder is a Joint Venture of two or more companies, each Principal in the Joint Venture must list the experience and qualification requirements, and complete the required forms, included herein as part of the bid.

However, the Owner reserves the right to exclude any projects listed below that do not demonstrate the Contractor's ability to perform the work associated with this Project. Further, the Owner reserves the right to accept a Bidder's qualifications that substantially meet the experience requirements listed above.

1. Project Name: Please see attached Project Information attachment

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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\_\_\_\_\_  
\_\_\_\_\_

Description of Project:

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

## Bidder's Experience - Project Information Attachment

Project Name	Owner	Location	Contract Price	Construction Time	Date of Substantial Completion	Owner Representative Contact Information	Description of Project
<b>Leo J Vander Lans Water Treatment Facility Expansion project</b>	Water Replenishment District of Southern California	Long Beach, CA	\$32,748,000	550 Calendar Days	Nov-14	Paul Fu 4040 Paramount Blvd. Lakewood, CA 90712 Tel 562-275-4251	The Leo J. Vander Lans Advanced Water Treatment Facility in Long Beach, Calif., received the effluent from the Long Beach Water Reclamation Plant, after a first round of treatment. At this plant, water is further treated through advanced microfiltration and reverse osmosis, resulting in a near-distilled quality. The plant currently produces 3 million gallons of treated water per day. Flatiron expanded the facility, to 8 million gallons per day and reduced the area's dependence on imported water. Work included construction and installation of new water treatment systems, including microfiltration, reverse osmosis, ultraviolet disinfection with advance oxidation, dissolved air flotation, chemical systems, piping, pump stations, site work, structural, electrical, instrumentation and all associated work. The expansion improves the plant's efficiency and reduces operations and maintenance costs.
<b>Santaquin Water Reclamation Facility</b>	Santaquin Water Reclamation District	Santaquin, Utah	\$14,951,220	490 Calendar Days	Nov-13	Benjamin Reeves 275 West Main Street Santaquin, UT 84655 Tel 801-754-3211	The Santaquin Water Reclamation Facility in Santaquin, Utah, represents the culmination of over six years of community planning and public outreach. This revolutionary facility is the first of its kind in Utah that will store and reuse 100 percent of its treated water for a residential secondary irrigation system, with no discharge to nearby lakes. The use of reclaimed water for irrigation purposes allows the city to conserve higher quality groundwater for drinking, while establishing a model for sustainable water resource development in Utah and the Intermountain West. The facility is capable of processing over one million gallons of water per day. The process begins in the headworks building, where wastewater is screened to remove coarse materials like trash or large grit. Next, wastewater is distributed into biological basins, a process where specific bacteria is grown to degrade contaminants. Following biological treatment, the effluent is separated from this bacteria using membrane filtration. The filtered water then flows to the UV disinfection system for further treatment, where disinfection occurs through the inactivation of waterborne pathogens. The final stage is the reclaimed water pump station, where disinfected effluent is pumped to existing large storage reservoirs near the lagoon site. From here, the Type I reclaimed water is pumped into the City's pressure irrigation system. The headworks building is fully odor controlled, with contaminated air exhausted to an adjacent biofilter for treatment. The biological basins and membrane filtration capacities were constructed with special features to allow for easy expansion as the City grows, including a third treatment train temporarily used for sludge storage and empty tanks with room for added membrane filtration modules. In the unlikely event that the reclaimed water does not meet Type I water quality criteria, a valve located between the UV disinfection system and the reclaimed water pump station automatically closes and diverts flow to an on-site temporary storage pond. Flatiron also oversaw the construction of 7,200 feet of new trunk line, as well as numerous tie-ins.
<b>Southwest Groundwater Treatment Plant</b>	Jordan Valley Water Conservancy District	West Jordan, Utah	\$23,665,433	730 Calendar Days	Nov-11	David McLean 8215 South 1300 West West Jordan, UT 84088 Tel 801-565-4300	Flatiron constructed a new groundwater treatment plant in West Jordan, Utah, a suburb of Salt Lake City, next to the Jordan River. The state-of-the art water treatment facility will remove contamination from a local aquifer and produce 8,235 acre-feet per year of treated water using reverse osmosis, a thorough method of water purification that reduces the levels of total dissolved solids and chemical impurities by using pressure to force water through a semi-permeable membrane. The municipal plant will consist of a 38,000 square-foot process building, three reverse osmosis trains and one bypass train utilizing ultraviolet light disinfection technology. The construction of separate treatment trains is necessary to incorporate deep and shallow groundwater wells, supply wells, pipelines, a byproduct disposal system and associated facilities. Flatiron is also installing a new 1,400-foot-long pipe system to bring contaminated water to the plant and return purified water back to the local clean water system. The plant's by-product, a heavy-brine waste stream, will be piped to a 22-mile line to the Great Salt Lake. When the reverse osmosis treatment plant is complete, the Jordan Valley Water Conservancy District anticipates future expansion to increase the plant's capabilities from 7 million gallons per day to 14 million gallons per day.

## Bidder's Experience - Project Information Attachment

Project Name	Owner	Location	Contract Price	Construction Time	Date of Substantial Completion	Owner Representative Contact Information	Description of Project
<b>Lenihan Dam Outlet Modifications</b>	Santa Clara Valley Water District	Los Gatos, CA	\$39,000,000	750 Calendar Days	Sep-09	Capital Program Unit Manager Beth Redmond 5750 Almaden Expressway San Jose, CA 95118 Tel 408-630-2682	At the foot of the Santa Cruz Mountains, Flatiron replaced the deteriorating outlet structure for the 50-year-old Lenihan Dam - a 1,000-foot-long earthen barrier holding water stored at the Lexington Reservoir in Los Gatos, Calif. The project was a seismic upgrade for the existing outfall pipe, a 50-inch steel pipe that was restricted to a maximum outlet of 70 percent capacity. Alternatively, the new 54-inch pipeline allows maximum outflow of the reservoir in the event the reservoir needs to be lowered to prevent the failure of the dam during an earthquake. Flatiron constructed a new 2,000-foot-long outlet structure that is approximately 14 feet wide by 13 feet tall through Saint Joseph Hill. The tunnel begins near the existing outfall pipe, terminates on the reservoir side of the dam and connects to a new 15-foot-diameter intake facility by way of a 35-foot vertical shaft. Originally, the shaft required excavation and grout around its base, which was very time consuming and costly. Flatiron proposed an innovative water-tight pile secant wall for the shaft excavation that allowed us to build quickly, reduce cost and decrease environmental disturbances by keeping grout from entering the reservoir. The value engineering solution additionally improved water-tightness around the shaft. The new outfall building has three sets of valves to control the discharges into Los Gatos Creek. The new intake structure consists of 450 feet of 54-inch welded steel pipe, with four 42-inch intake gates and a new building to house the hydraulic control unit and various monitoring equipment. A road header was used to bore through soft material and explosives were used to fracture the harder rock. After excavating the material, Flatiron utilized an arched traveling form to pour 60-foot-long sections of the tunnel. Ventilation and low-flow pipes were then hung from the tunnel ceiling and a 5-foot welded steel outtake pipe was installed, held in place by permanent cast-in-place supports. During construction, Flatiron created a detour for the highly used Los Gatos trail to ensure safe public recreation. The project was completed nine days ahead of schedule and \$1.4 million under budget.
<b>Rahway Valley Sewerage Authority: Contract 155 (Project # 2)</b>	Rahway Valley Sewerage Authority	Rahway, NJ	\$138,965,112	1450 Calendar Days	Feb-09	Robert V. Valent 1050 East Hazelwood Avenue Rahway, NJ 07065 - Tel 732-388-0868	E.E. Cruz (a Flatiron subsidiary) expanded Rahway Valley Sewerage Authority Wastewater Treatment Plant's sewage capacity from 63MGD to 105 MGD and upgraded and replaced the plant's outdated systems. The temporary SOE systems on the project included the installation of sheet piling and soldier piles, steel wales and struts, and tiebacks. The construction consisted of major upgrades to the primary, secondary, and tertiary treatment facilities. Upgrades to these facilities consisted of the construction of a new headworks facility, construction of a new primary settling tank, upgrades to the aeration system, construction of new final settling tanks, construction of a new effluent sand filter facility, construction of a new UV disinfection chamber, construction of a new effluent pump station, and the construction of a new cascade aeration station. In addition, E.E. Cruz was also responsible for constructing a new rotary drum building. Within the new facilities a significant amount of misc metals work of which included the installation of new hand rails. All work was performed while maintaining plant operations.
<b>Flushing Bay CSO: Contract 4-4G (Project # 3)</b>	New York City Department of Environmental Protection	Queens, NY	\$133,737,200	2450 Calendar Days	Nov-08	Mike Borsykowsky 59-17 Junction Blvd. Flushing, NY 11373 Tel 718-595-5921	E.E. Cruz (a Flatiron subsidiary) was responsible for the second phase of a two phase program to construct the Flushing Bay Combined Sewer Overflow Retention Facility. The project involved mass excavation of contaminated material, construction of a deep soil mix earth support system, dewatering, site utility work, pipe piles, and the installation of steel sheet piling, reinforced concrete, and structural steel. The project required extensive mechanical work which included the installation of nine tide gates, two belt conveyor systems, five three story mechanical bar screens, a storage cell flushing and cleaning system, chemical and air treatment systems, and interconnection piping. In addition, E.E. Cruz constructed a 40,000 square foot structural steel building with a brick façade, a 25,000 square foot recreational facility, and an 11,000 square foot maintenance facility for the NYC Department of Parks and Recreation.

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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3. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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4. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

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5. Project Name: \_\_\_\_\_

Owner: \_\_\_\_\_

Contract Price: \_\_\_\_\_

Construction Time: \_\_\_\_\_ Calendar Days

Date of Substantial Completion: \_\_\_\_\_

Name, Address, and Telephone Number of Owner's Representative:

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Description of Project:

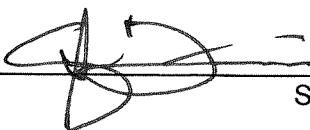
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**Bidder shall sign under penalty of perjury that all the information  
provided in this information sheet is true and correct.**

  
\_\_\_\_\_  
Signature

Steven A. Francis, Vice President  
\_\_\_\_\_  
Title

**Flatiron - Additional Completed Projects - Past 10 Years**

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
2043	VTA Route 152 Phase B	C06003	Santa Clara Valley Transportation Authority 3331 North First Building B San Jose, CA 95134	Trace Bonney (408) 321-5640 trace.bonney@vta.org	Widen Route 152 and Existing Llagas Creek Bridge	Apr-06	Jan-07	\$1,783,735	\$1,837,865	Prime
3047	Resurface Runway 09-27	CIP 4024	San Diego County Regional Airport Authority 2320 Stillwater Road San Diego International Airport San Diego, CA 92138	Ellen Brundages (619) 400-2632 ebrundages@san.org	Resurface runway.	Jul-06	Jan-07	\$11,746,788	\$11,746,788	Prime
3021	Judicial Drive Undercrossing	N/A	Makallon La Jolla Properties, LLC 4100 MacArthur Blvd, Suite 200 Newport Beach, CA 92660	Jeff LaRosa (949) 255-1100	Construction of Judicial Drive Undercrossing and La Jolla Village Drive improvements.	Nov-04	Feb-07	\$6,672,005	\$6,862,851	Prime
3030	Emergency Job 11-SD-Route 8(PM) 15.3 - 16.5	Contract 11A1196	CALTRANS 1727 30th Street, 4th Fl, FM III, MS 67 Sacramento, CA 95816	Mendy Evans (916) 227-6000 mendy.evans@dot.ca.gov	Grind and pave A/C slab and replacement.	Jun-05	Feb-07	\$1,900,000	\$1,369,642	Prime
2031	Route 152 Widening	Contract No. 04069	Santa Clara Valley Transportation Authority 3331 North First Building B San Jose, CA 95134	Trace Bonney (408) 321-5640 trace.bonney@vta.org	Widen Rte-152 to 4-lanes, and widen Llagos Creek Bridge. Demo bridge, place CSS pile, build flat slab superstructure, complete Channel work, complete roadway tie in.	Mar-05	Mar-07	\$4,165,881	\$4,497,943	Prime
3008	Construction of La Jolla Cove Wall Replacement and Bluff Improvements	K04497	City of San Diego 1010 Second Avenue, Suite 1200 San Diego, CA 92101-4905	Brad Johnson (619) 533-3770 bjohnson@sandiego.gov	Replace existing tieback wall, stabilize slope, new sidewalk and storm drain.	Feb-04	Apr-07	\$849,108	\$902,184	Prime
2048	MacArthur Maze Emergency Repair	N/A	American Civil Constructors	Kimberly Wise (707) 746-8028	Emergency Falsework and Bridge Jacking	Jun-07	Jun-07	Extra Work Force Account	\$412,309	Subcontract
3028	Route 15 at 56/15 Separation	11-080934	CALTRANS 2829 Juan Street San Diego, CA 92186-5406	Victor Cardenas (619) 688-3640 victor.cardenas@dot.ca.gov	Construct managed lanes.	May-05	Aug-07	\$32,221,554	\$37,509,267	Prime
3032	Newport Ave Extension / SR-55 Ramp Configuration and Edinger Ramp Widening	CIP No's 7130, 7147, 2585	City of Tustin 300 Centennial Way Tustin, CA 92780	Gary Tomasetti (714) 412-2262 gary.tomasetti@jacobs.com	Modify freeway on-ramps and off-ramps; realign Newport Avenue.	Aug-05	Aug-07	\$22,108,000	\$33,515,338	Prime
3024	Cal State Sprinter San Marcos Loop	IFB No.04046	NCTD 810 Mission Avenue Oceanside, CA 92054	Steve Hoyle (760) 518-8715 SHO@sandag.org	Construction of new railroad alignment, retaining walls and 5 CIP concrete bridges.	Feb-05	Sep-07	\$24,359,013	\$26,034,719	JV w/Fluor Enterprises
3059	RSC at I-5/I-805/State Route 56	11-030104	Skanska USA Civil West California District Inc. 1995 Agua Mansa Road Riverside, CA 92509-2405	Irene Rumbaugh (951) 684-5360 irene.rumbaugh@skanska.com	Rapid set concrete.	Aug-07	Sep-07	\$1,640,000	\$1,640,000	Sub
3033	UCSD Test Abutment	10250440	University of California, San Diego 9500 Gilman Avenue La Jolla, CA 92093	James Batti (858) 864-8928	Test abutment	Jun-05	Sep-07	\$54,000	\$361,332	Prime
3055	Via de la Valle Ramp	LB0701-05	LB Civil Construction, Inc. 10650 Treena Street, Suite 212 San Diego, CA 92131	James Lumm (858) 578-5222 jlumm@lbcivil.com	Concrete paving and associated joint seals.	Jun-07	Sep-07	\$474,463	\$474,463	Sub
2041	Route 99 Improvements near Tulare	06-490204	CALTRANS 505 N. St. Fresno, CA 93721	Shelly Maggard (559) 651-8319 shelly.maggard@dot.ca.gov	Remove existing bridge and off-ramp	Apr-06	Oct-07	\$2,722,531	\$3,065,626	Prime
3053	Lake Hodges Bicycle / Pedestrian Bridge - Phase I (South Abutment Only)	N/A	San Dieguito River Park Authority 18372 Sycamore Creek Rd. Escondido, CA 92025	Susan Carter (858) 674-2270 susan@sdrp.org	Construct south shore abutment for Lake Hodges Pedestrian Bridge.	Feb-07	Oct-07	\$2,071,523	\$2,071,523	Prime
3057	Coyote Wash Bridge Repairs (Emergency Contract)	11A1506	CALTRANS Division of Procurement & Contracts 4050 Taylor Street, MS-221 San Diego, CA 92110	Dave Pound (858) 829-5035 dave.pound@dot.ca.gov	Rebuild bridge bent at the South Fork Coyote Wash Bridge.	Jun-07	Oct-07	\$372,000	\$372,000	Prime
2037	Terminal Upper Level Viaduct Improvement	No. 3580A	City and County of San Francisco, acting by and through it's Airport Commission	Hassan Nowrozi (650) 821-5997 hassan.nowrozi@flysfo.com	Retrofit and Strengthening of terminal viaduct system. Repaving of all terminal access beneath viaduct. Replace lighting fixtures and related. Asbestos removal.	Jul-05	Nov-07	\$17,448,829	\$16,843,995	Prime



# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3041	Santa Ana Second Main Track	C3074-06	Southern California Regional Rail Authority 700 S. Flower St., 26th Floor Los Angeles, CA 90017	Lia McNeil-Kakanis (213) 452-0237 mcneilkakanis@scrra.net	Addition of second main track within existing right of way through construction of retaining walls and street improvements.	May-06	Nov-07	\$14,855,036	\$14,855,036	Prime
2050	Benicia Parking Lot Improvements	DTMA4C07001	US DOT Maritime Division	Debra Valmore (415) 744-4140	Reconstruct existing parking lot. Build slurry cutoff wall. Upgrade the pavement, lighting, storage facilities	Jul-08	Dec-07	\$2,234,183	\$2,287,018	Prime
3018	Sprinter Mainline Construction	IFB No. 04049	NCTD 810 Mission Avenue Oceanside, CA 92054	Steve Hoyle (760) 518-8715 SHO@sandag.org	Construct 22 miles of new rail and 14 stations with existing rail corridor.	Sep-04	Dec-07	\$187,185,783	\$239,541,381	JV w/Fluor Enterprises
3062	Route 15 Emergency Repairs	EA#293804	CALTRANS Division of Procurement & Contracts 4050 Taylor Street, MS-221	Dave Pound (858) 829-5035 dave.pound@dot.ca.gov	Repair damages caused by fires.	Oct-07	Dec-07	\$900,563	\$886,438	Prime
2036	State Route 4 Bypass, Laurel Road Extension, Lindsey Basin and Lindsey Channel	Contract Nos. 4660-6X4450, 4660-6X4374 and 4660-6X4451	State Route 4 Bypass Authority 255 Glacier Dr. Martinez, CA 94553	Dale Dennis (925) 595-4587	Construct State Hwy 4 Bypass from Lone Tree Way to existing Hwy 4 including Underground Utilities, 5 Box-Girder bridges, Grading, Roadway Surfacing and Electrical.	Jul-05	Jan-08	\$58,517,511	\$59,853,204	JV/ DeSilva Gates Construction
2047	Bethel Island Sheetpile Shoring	N/A	Top Grade Construction	Bill Madinas (925) 449-5764	Install/Remove 5500 l.f. of Sheetpile Shoring	Apr-07	Jan-08	\$2,425,600	\$2,801,836	Subcontract
2034	Route 99 Widening and Hammer Lane Interchange	Contract No. 04-16	DeSilva Gates Construction 11555 Dublin Blvd. Dublin, CA 94568	Mike Kloos (925) 829-9220	Build cast-in-place box girder bridge over Rte 99, wideing 4 steel girder bridges and one concrete T-beam bridge. Constructing retaining walls, sound walls, and drainage system.	Apr-05	Feb-08	\$13,975,296	\$16,063,066	Subcontract
2039	Route 99 Improvements and Widening near Kingsburg and Selma	06-350704	CALTRANS 1352 W. Olive Ave. Fresno, CA 93728	John Woods (559) 243-8391 john.woods@dot.ca.gov	Widen and Rehabilitate Freeway, Widen 5 Bridges, PCC Slab Replacement, PCC Paving	Nov-05	Feb-08	\$57,672,520	\$59,689,791	Prime
1020	San Francisco-Oakland Bay Bridge Skyway	04-012024	CALTRANS 111 Grand Avenue Oakland, CA 94612	Doug Coe (510) 622-5101 doug.coe@dot.ca.gov	Construct two precast segmental bridges that will connect a future Self-Anchored Suspension (SAS) span with the city of Oakland.	Jan-01	Mar-08	\$1,043,541,000	\$1,188,978,022	Joint Venture Kiewit FCI Manson
3050	Camino del Norte Widening	421110	NCC, L.P. 10815 Rancho Bernardo Rd., Ste 310 San Diego, CA 92127	Gregor Connors (858) 674-1300	Roadway construction, concrete structures, roadway excavation, earthwork & masonry walls	Aug-06	Apr-08	\$11,566,857	\$11,572,782	Prime
3058	Lake Hodges Bicycle / Pedestrian Bridge - Phase 2	N/A	San Dieguito River Park Authority 18372 Sycamore Creek Rd. Escondido, CA 92025	Susan Carter (858) 674-2270 susan@sdrp.org	Construction of a three-span, prestressed concrete stress ribbon bridge structure, approximately 990 feet long consisting of precast concrete deck panels.	Aug-07	Jun-08	\$6,679,275	\$6,677,289	Prime
2049	Emergency Levee Repairs	07-RM75.1-01	Reclamation District 1000	Gene Russel (916) 922-1449	Emergency Levee Repair	Aug-07	Oct-08	\$1,865,961	\$2,433,827	Prime
3049	Pacific Street Bridge over San Luis Rey River	501.737556	City of Oceanside 300 North Coast Highway Oceanside, CA 92054	David Toschak (760) 801-0738 dtoschak@ci.oceanside.ca.us	Construction of four span cast in place concrete box girder bridge across San Luis Rey River	Sep-06	Oct-08	\$18,918,319	\$18,850,536	Prime
2055	Hwy 99 at Ave 12 N/B Offramp Widen	06-0C5204	California Dept. Of Transportation (Caltrans) 505 N St. Fresno, CA 93721	Alan Vong (559) 243-3856 alan.vong@dot.ca.gov	Widen NB offramp, Remove and Replace Existing Concrete Barriers and Install New Signal Light at Intersection of NB offramp and Avenue 12	Nov-07	Dec-08	\$1,108,201	\$1,172,437	Prime
3060	I-15 Interim Rapid Bus Transit Stations	BUS-1201505	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Ralph Tharp (619) 699-1900 rth@sandag.org	Construction of interim rapid bus transit stations.	Nov-07	Dec-08	\$14,922,296	\$18,624,723	Prime
2040	Route 70,149 Improvements in Butte County near Oroville	03-3822V4	CALTRANS 703 B St. Marysville, CA 95901	Steve Harvey (530) 533-4164 (530) 218-8963 steve.harvey@dot.ca.gov	Construction of (10) new bridges on CIDH pile foundations, install drainage systems (storm water). Roadwork, widening, and related.	Jan-06	Jan-09	\$81,784,984	\$86,454,560	JV/Granite Construction
3017	Route 15 Camino del Norte to Rancho Bernardo	11-080914	CALTRANS 4050 Taylor Street San Diego, CA 92110	Paul Hsu (619) 688-3157 paul.y.hsu@dot.ca.gov	Construct managed lanes.	Sep-04	Mar-09	\$67,837,529	\$80,253,112	JV w/Balfour Beatty
2063	Bear River Canal	08-01	South Sutter Water District 2464 Pacific Avenue Trowbridge, CA 95659	Bradley Arnold (530) 556-2242 sswd@hughes.net	Construct new Diversion Structure with Radial Gates, excavate 2,000 l.f. of new canal and associated work to accommodate planned highway relocations.	Oct-09	Apr-09	\$595,000	\$601,824	Prime

# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
2058	Hwy 41 Coarsegold Intersection Improvements	06-0A4004	CALTRANS 1352 W. Olive Ave. Fresno, CA 93728	John Woods (559) 243-8391 john.woods@dot.ca.gov	Widen Intersection (Roadway Excavation, Class II AB, Underground and AC Paving) and install signals	May-08	May-09	\$1,069,694	\$1,100,518	Prime
2062	Annual AC Overlay Pavement Repair	07-144-38-286	City of San Leandro 835 East 14th St. San Leandro, CA 94577	Kenneth Joseph (510) 577-3428 kjoseph@sanleandro.org	Annual AC Pavement Overlay Repair Throughout the City	Sep-09	Jul-09	\$1,881,909	\$1,851,149	Prime
2054	San Jose International Airport TAIP Overcrossings	9500620	Hensel Phelps		Design/Build (2) bridges (South Loop and Bypass Loop). Combined PT Box-Girder Bridge on P/C Pile & Concrete footing. Slab bridge on P/C Concrete Octagon Pile (extended), and Retaining Walls.	Jan-08	Jul-09	\$13,355,000	\$11,351,970	Sub
2067	San Mateo Bridge Emergency Repairs	04-0G5504	CALTRANS 111 Grand Avenue Oakland, CA 94612	Stanley Ng (510) 286-5155 stanley.ng@dot.ca.gov	Emergency repair work to the San Mateo Bridge	Apr-09	Aug-09	\$500,000	\$691,090	Prime
3081	Shaw Lorenz Bridge	Contract #701332-0149/0120/0125/0110-70	Pardee Homes 12626 High Bluff Drive, Suite 100 San Diego, CA 92130	Chris Nichols (858) 461-0824	Construct new bridge.	Nov-08	Sep-09	\$2,505,635	\$2,574,082	Prime
2046	Hwy 99 Widen, Interchange and Overcrossing	06-293304	CALTRANS 505 N. St. Fresno, CA 93721	Hugo Mejia (559) 243-3592 hugo.mejia@dot.ca.gov	Existing Expressway to be Converted to Divided Freeway, including 2 new Cast-In-Place Box-Girder Bridges and Retaining Walls	Oct-06	Oct-09	\$47,134,940	\$48,988,698	Prime
3073	I-15 at Wheaton Springs PCC	Contract 08-4393U4	Las Vegas Paving P.O. 620 North Highlands, CA 95660	Christine Golden (916) 334-1221	Place LCB and PCC on southbound truck ascending lane.	Aug-08	Oct-09	\$5,752,615	\$5,485,226	Sub
2029	1880/Mission Blvd. Interchange	04-2332U4	CALTRANS 111 Grand Avenue Oakland, CA 94612	Maurice El Hage (408) 210-6777 maurice.el.hage@dot.ca.gov	Reconstruct interchange, including demolition of 2 existing bridges, construction of 5 new bridges with driven pile foundations, construction of concrete retaining walls and MSE retaining walls.	Dec-05	Nov-09	\$59,761,945	\$69,191,818	JV -Flatiron / DeSiva Gates
2056	Hwy 80 Emigrant Gap Widen and Concrete Pavement Rehabilitation	03-4A7004	CALTRANS 703 B St. Marysville, CA 95901	Doug Lange (530) 741-4465 doug.lange@dot.ca.gov	Hwy 80 Widen, Concrete Paving, Widen 1 Bridge, Replace 1 Bridge	Feb-08	Nov-09	\$19,997,343	\$21,316,973	Prime
2064	Elk Grove Bridge Replacement	PT0033	City of Elk Grove 8401 Laguna Palms Way Elk Grove, CA 95758	Gary Grunwald (916) 478-2236 ggrunwald@elkgrovecity.org	Replace existing bridge with a concrete slab bridge and construct asphalt concrete approaches	Mar-09	Nov-09	\$1,423,900	\$1,512,319	Prime
3019	Route 15 Via Rancho Parkway, San Diego, CA	11-080924	CALTRANS 4050 Taylor Street San Diego, CA 92110	Faridun Javed (619) 661-6406 faridun.javed@dot.ca.gov	Construct additional lanes, moveable barriers and replace bridges.	Oct-04	Nov-09	\$81,952,560	\$93,210,568	JV w/Balfour Beatty
3048	Route 15, Unit 5, Via Rancho Parkway, San Diego, CA	11-080944	CALTRANS 4050 Taylor Street San Diego, CA 92110	Richard Breyer (760) 473-2489 richard.breyer@dot.ca.gov	Construct additional lanes, moveable barriers and replace bridges.	Sep-06	Nov-09	\$50,205,981	\$51,090,705	Prime
2060	West Valley College Sitework	9-0809	West Valley Mission Community College District	Gogo Heinrich (408) 510-87595	Remove paving, excavate for utilities, backfill unpaved areas with spoils, off-haul and dispose of spoils and waste from excavations, restore paved areas	Jun-09	Nov-09	\$402,636	\$330,124	Subcontract
2061	Hwy 80 Concrete Paving Subcontract to Sierra Nevada Construction	10513-0008	Sierra Nevada Construction Box 50760 NV 89435	PO Sparks, Paul Shogren (775) 355-0420	PCC Paving of the No. 1 Lane & Left Shoulder of Hwy 80	Aug-09	Nov-09	\$733,200	\$744,066	Subcontract
2052	Mayhew Slough Levee Repair and Drain Structure	W91238C 07-B-0002	US Army Corps of Engineers	Eric Samuels (916) 557-5367	Emergency Levee Repair Drain Structure	Aug-07	Dec-09	\$8,538,000	\$13,847,235	Prime
3070	Seismic Retrofit of North Harbor Drive over Navy Estuary	K083623	City of San Diego 1200 Third Avenue, Suite 200 San Diego, CA 92101	Nitsuh Abera (619) 533-4656 naberra@sanidiego.gov	Construction of a nine-span post-tensioned concrete slab and T-girders.	Sep-08	Dec-09	\$11,216,857	\$10,813,527	Prime
2066	SFO Cast In Place Concrete - Deck Fill	3.30	Turner Construction SFIA Courtyard 2, PO Box 282869 San Francisco, CA 94128	Purima Villanueva (650) 821-9391	(Sub-bid to Turner) Cast-In-Place Concrete Decks, Shear Walls, Drill & Bond Dowels	Apr-09	Jan-10	\$5,449,290	\$8,528,139	Prime
2045	I-238/580 Widen and Rehabilitation	04-249044	CALTRANS 111 Grand Avenue Oakland, CA 94612	Bharat Patel (925) 606-4447 bharat.k.patel@dot.ca.gov	Widening and rehabilitate portions of Route 580, Route 880, and Route 238 in and near Hayward and San Leandro in California. Interstate 238 serves as the single east-west freight connector between the San Francisco and Oakland ports and California's agricultural heartland. The PCC paving.	Aug-06	Apr-10	\$90,911,557	\$108,418,043	Prime
3066	Route 215 San Bernardino PCC	Contract 08-007174	MCM Construction, Inc. 19010 Slover Avenue Bloomington, CA 92316	H.D. McGovern (909) 875-0533 hmcgovern@mcmconstructonline.com		Jan-08	Apr-10	\$8,393,100	\$9,137,291	Sub
3090	Rehabilitate Taxiway C	Contract 104026	San Diego County Regional Airport Authority 2320 Stillwater Road San Diego, CA 92101	John Rothnie (760) 735-5087 jrothnie@san.org	Rehabilitation of taxiway - includes surface preparation, full depth removal of taxiway asphalt concrete and concrete pavement and placement of asphalt concrete, concrete pavement and storm drain.	Aug-09	Sep-10	\$22,487,625	\$23,387,130	Prime

# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
2074	DWR Sutter Fish Ladder	C51411	State of California Department of Water Resources	Will Hicks (916) 574-2021 / (916) 802-3441 whicks@water.ca.gov	Remove existing fish ladder and culverts. Replace fish ladder and culverts at the entrance to Willow Slough utilizing sheetpile cofferdams and a temporary bridge for access and dewatering of work area.	Jun-10	Oct-10	\$2,967,751	\$3,399,558	Prime
3085	Route 52 Santee, CA	11-2T0104	CALTRANS 4050 Taylor Street San Diego, CA 92110	Mike Moen (619) 995-7335 mike.moen@dot.ca.gov	Construct managed lanes north segment.	Feb-09	Oct-10	\$27,549,289	\$29,060,110	Prime
2077	San Mateo Bridge Repair	04-2G3004	CALTRANS 111 Grand Avenue Oakland, CA 94612	Stanley Ng (510) 286-5155 stanley.ng@dot.ca.gov	Force Account Work (cost + markup) : Repair cracked structural steel beam at bent 285 on the San Mateo-Hayward Bridge, maintain traffic, perform Misc. related road work.	Oct-10	Nov-10	\$166,775	\$166,775	Prime
2068	Route 99/145 Interchange, Overlay and Bridge Widen	06-407214	CALTRANS 1352 West Olive Ave. Fresno, CA 93728	Mike Weber (559) 897-7224 / (559) 245-9422 michael.weber@dot.ca.gov	Install temporary traffic control devices, remove bridge portion, widen roadway, widen bridge, install signalization at 3 locations & re-stripe.	May-09	Dec-10	\$3,966,959	\$5,302,415	Prime
2076	A/C Overlay on Road 132	24750	County of Tulare Resource Management Agency	Mario Pulido (559) 624-7000 mpulido@co.tulare.ca.us	Base repairs, overlay, striping and shoulder backing material.	Oct-10	Dec-10	\$1,865,730	\$1,826,740	Prime
3042	Route 5 Buena Park from Orangethorpe to Artesia, CA	12-101674	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Bill Gilchrist (949) 279-8438 bill.gilchrist@dot.ca.gov	Construct 6 bridges, 29 retaining walls and 1 pump station along I-5.	Apr-06	Jan-11	\$201,352,369	\$203,897,152	JV w/Balfour Beatty
3093	Valley Center Road Bridge Over San Luis Rey River	529182	County of San Diego 10089 Willow Creek Road, Suite 150 San Diego, CA 92131	Rey Nocon (858) 740-4700 mocon@simonwongeng.com	Bridge construction.	Jun-09	Jan-11	\$6,317,062	\$7,011,841	Prime
2065	Hazel Avenue Bridge Replacement	4010	Sacramento County 700 H St. Sacramento, CA 95814	Thor Lude (916) 875-2728 / (916) 215-2312 ludet@sacounty.net	Widen existing bridge, modifications to two bridges and install prefabricated pedestrian bridge.	Mar-09	Feb-11	\$20,110,156	\$23,896,453	Prime
2072	Hwy 198 Lemoore A/C Overlay	06-490004	CALTRANS 8530 West Roosevelt Ave., Visalia, CA 93291	Dave Ontiveros (831) 579-1337 david.ontiveros@dot.ca.gov	4,000 tons of HMA base repairs and 13,000 tons of rubberized HMA. Crack sealing, AC dike, striping, minor amounts of metal beam guard rail & shoulder backing.	May-10	Apr-11	\$1,751,027	\$1,855,615	Prime
2057	Sacramento Airport - Airside Concrete Paving	TMP CTB-A00	Sacramento County 6900 Airport Blvd. Sacramento, CA 95836	Leonard Takayama (916) 874-0771 takayamal@sacounty.net	PCC Paving, Striping, Signing and Electrical for new taxiways and aprons. Pile Driving for new concourse building. Construct Bridge for Automated People Mover (APM). Construct Underground Tug Tunnel.	Jun-08	May-11	\$47,123,302	\$49,682,730	JV with Turner Construction 32%
2080	Hwy 41 Cold in Place Recycle and Overlay	06-0H0004	CALTRANS 8530 Roosevelt Ave Visalia, CA 93291	Haidar Haddadin 559-243-3599 haidar.haddadin@dot.ca.gov	Cold in Place recycling of existing asphalt pavement and HMA overlay.	Apr-11	Jul-11	\$1,095,772	\$1,253,988	Prime
2073	Contra Costa Fish Screen P3	R10PC20R32	BUREAU OF RECLAMATION 2800 Cottage Way Sacramento, CA 95825	Joshua Stuart 916-978-4302 jstuart@usbr.gov	Construct new fish screen facility for the Contra Costa Canal at Rock Slough. Work includes dewatering the existing canal behind sheetpile cutoff walls previously installed. Excavate existing levees and widen the channel to accommodate the fish screen structure. The Fish Screen	Jun-10	Aug-11	\$12,682,255	\$14,025,512	Prime
3075	Route 15 South Segment, Unit 1	11-2T0914	CALTRANS 4050 Taylor Street San Diego, CA 92110	Gus Silva (619) 688-1497 gustaf.silva@dot.ca.gov	Construct managed lanes south segment.	Jun-08	Oct-11	\$50,031,930	\$56,451,891	Prime
2051	Hwy 880-92 Interchange Reconstruction	04-016014	CALTRANS 111 Grand Avenue Oakland, CA 94612	Ta Seng (925) 766-5224 ta.seng@dot.ca.gov	Interchange Reconstruction at Hwy 880 and Hwy 92 in Hayward, CA	Sep-07	Nov-11	\$138,000,000	\$157,886,823	JV/Granite Construction
3037	Route 5 PCC Replacements, Glendale & Burbank, CA	07-193104	CALTRANS 100 South Main St, 3rd Floor, MS-7 Los Angeles, CA 90012	Maher Subeh (818) 637-2506 ext. 229 maher.subeh@dot.ca.gov	Replace existing PCC pavement with rapid strength PCC.	Dec-06	Nov-11	\$44,308,849	\$44,793,341	Prime
3043	Exposition Light Rail	1-06	Exposition Metro Line Authority 707 Wilshire Blvd, Suite 3400 Los Angeles, CA 90017	Bud Gandy (213) 243-5571 bgandy@exporal.net	Construct 77 miles of double track light rail.	Mar-06	Nov-11	\$471,441,336	\$690,666,208	JV w/Fluor Enterprises and Parsons
3105	West Conveyance Pipeline - Phase 1	Contract 359PLW	Mojave Water Agency 22450 Headquarters Drive Apple Valley, CA 92307	Lorri Steely (760) 946-7020 lsteely@mojavewater.org	Construction of approximately 36 k of 42"-18" CML&C Water Main and appurtenances , open field and rural city streets. Bores under Hwy 395, I 15 and BNSF RR.	Jul-10	Nov-11	\$7,804,914	\$8,418,173	JV w/C.M. Peich
3068	Route 15 South Segment, Unit 3	11-2T0934	CALTRANS 4050 Taylor Street San Diego, CA 92110	Harwell Ontoy (619) 688-3156 harwell.ontoy@dot.ca.gov	Construct managed lanes south segment.	Apr-08	Dec-11	\$67,618,827	\$73,584,436	Prime
2079	Point Bonita Light House Pedestrian Bridge Replacement at Marin Headlands	DTFH68-11-C00008	US DOT FEDERAL HIGHWAYS 12300 West Dakota Ave Lakewood, CO 80228	Pat Flynn 303-884-8970 720-963-3090	Remove existing Pt. Bonita Lighthouse pedestrian bridge and replace with new 156' long suspension ped bridge. Schedule A-Design Segment awarded, permanent material along with schedule X & Y (construction) awarded as original design contract modifications.	Mar-11	Feb-12	\$1,900,000	\$1,863,442	Prime
2082	Eureka Road & I-80 Improvements	20004-6130/012502-45	City of Roseville 311 Vernon Street Roseville, CA 95678	Nina Buelna 916-746-1300 rbuelna@roseville.ca.us	Bridge and Road Widening.	Jul-11	Apr-12	\$4,798,457	\$4,917,318	Prime

# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3101	Bridge 207.6 Replacement	Contract 5001298	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Replacement of approximately 532 lineal feet of the northerly timber trestle bridge with new pre-cast concrete spans on CIDH piles and cast-in-place concrete bent caps.	Sep-10	Apr-12	\$4,822,000	\$4,349,531	JV w/Herzog
3084	Route 18 Big Bear Lake, CA	08-227004	CALTRANS 464 West 4th Street San Bernardino, CA	Ihab Boulos (951) 232-7582 ihab.boulos@dot.ca.gov	Construct new bridge and realign roadway.	Feb-09	Nov-12	\$32,893,779	\$38,401,547	Prime
3125	Route 60 Emergency Project	07A3192	CALTRANS 1727 30th Street Sacramento, CA 95816-7006	Joan Crews (213) 620-4852 joan.crews@dot.ca.gov	Bridge repair.	Dec-11	Dec-12	\$1,000,000	\$1,898,510	Prime
3082	Route 15 North Segment, Unit 1	11-2T0814	CALTRANS 4050 Taylor Street San Diego, CA 92110	Richard Breyer (760) 473-2489 richard.breyer@dot.ca.gov	Construct managed lanes north segment.	Dec-08	Jan-13	\$46,599,284	\$50,213,372	Prime
2071	Hwy 198 Hanford	06-3568U4	CALTRANS 8530 West Roosevelt Ave., Visalia, CA 93291	Mike Weber (559) 897-7224 / (559) 246-9422	Convert 2 lane highway into 4 lane Expressway	Nov-09	Mar-13	\$45,178,321	\$51,798,376	Prime
3131	I-15 Ultimate Bus Rapid Transit Stations	5001935	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Frank Owsiany (619) 699-6948 FOW@sandag.org  John Dorow (619) 699-1915 JDO@sandag.org	Upgrading existing rapid bus transit stations.	Aug-12	Mar-13	\$2,594,200	\$2,741,485	Prime
3132	Washington Street Access Improvements	104124	San Diego County Regional Airport Authority 2320 Stillwater Road San Diego, CA 92101	Omneya Salem (619) 400-2227 osalem@san.org	The construction work includes asphalt concrete pavement and Portland Cement Concrete pavement to widen and realign approximately 2,900 feet of Washington Street from Frontage Road to the future Central Receiving and Distribution Center. The project also includes modification of two existing traffic signals, installation of chain link fence, security fence, and roadway storm drain system. In addition, the existing electrical and telecommunication services and meters will be relocated; an Airfield access-controlled security gate will be erected; and the future 12KV electrical distribution system infrastructure will be installed.	Jul-12	Apr-13	\$2,873,776	\$3,271,472	Prime
3130	Borden Road Bridge Improvement	88165	City of San Marcos 1 Civic Center Drive San Marcos, CA 92069	Elias Gallegos (760) 744-1050 egallegos@sanmarcos.net	Construction of a two span bridge.	Jul-12	May-13	\$5,606,693.60	\$5,683,611	Prime
2069	Widen Hwy 80 Roseville	03-367834	Caltrans 703 B Street Marysville, CA 95901	Pete Spector 916-416-7547 530-741-4211 pete.spector@dot.ca.gov	Widen Eastbound and Westbound Hwy 80 approximately 2.3 miles from Eureka Ave to 1 mile east of Hwy 65.	Oct-09	Jun-13	\$21,838,386	\$24,829,677	Prime
3102	Taxilane S Improvements	0A-4398	City of Los Angeles / Los Angeles International Airport 1 World Way Los Angeles, CA 90045	Rosa Brice (310) 957-7173 rbrice@lawa.org	Construction of new PCC taxiway and apron.	Mar-10	Jun-13	\$95,866,596	\$108,812,424	Prime
2059	Hwy 65 Bypass	03-3338U4	CALTRANS 703 B St. Marysville, CA 95901	Carl Berexa (916) 624-2769 carl.berexa@dot.ca.gov	Construct 11.7 miles of new 4-lane freeway paved with AC, 17 bridges, and Sound Walls.	Jun-08	Jul-13	\$137,136,250	\$153,258,854	JV/ DeSilva Gates Construction
3124	Route 78 Nordahl Road Overcrossing	11-259804	CALTRANS 4050 Taylor Street San Diego, CA 92110	Faridun Javed (619) 661-6406 faridun.javed@dot.ca.gov	Replacement of left hand turns from the bridge to the highway, provided an additional two feet of clearance, and was also designed to accommodate future SR-78 widening and HOV lanes. The scope of work included demolishing the existing bridge and replacing it with a two-span precast prestressed concrete bulb-type girder on spread footings and 30-inch CIDH concrete piles, constructing five retaining walls, drainage systems, and widening the westbound and eastbound off-ramps to Nordahl Road to include an additional turning lane.	Nov-11	Aug-13	\$9,271,985	\$9,559,443	Prime
3094	Route 905 New Freeway	11-288804	CALTRANS 4050 Taylor Street San Diego, CA 92110	Mike Moen (619) 995-7335 mike.moen@dot.ca.gov	Construct new PCC freeway.	Aug-09	Oct-13	\$57,095,736	\$65,317,296	JV w/Sukut
2070	I-880 High Street	04-165424	CALTRANS 111 Grand Avenue Oakland, CA 94612	Bharat Patel (925) 606-4447 bharat.k.patel@dot.ca.gov	Remove & replace two existing parallel bridges on I-880 over High Street.	Oct-09	Nov-13	\$50,648,177	\$61,099,688	Prime

**Flatiron - Additional Completed Projects - Past 10 Years**

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3106	North Torrey Pines Road Bridge Seismic Retrofit	57C-0207	City of Del Mar 1050 Camino del Mar Del Mar, CA 92014	Wade Durant (619) 692-1920 wade.durant@tylin.com	Upgrade and perform a retrofit of the North Torrey Pines Road Bridge in San Diego County, California. This bridge was designated a historic landmark and was eligible for listing on the National Register of Historic Places, was on the California Register of Historical Resources and was designated as a City of Del Mar Historic Landmark, therefore preservation of its historic detail was considered an essential characteristic of the project. The bridge was approximately 570 feet long, 49 feet wide, and as tall as a six story building. It spanned an environmentally sensitive area as well as railroad tracks. The scope of work to bring it up to code included replacing the bridge superstructure and retrofitting and rehabilitating its substructure. This included removing and replacing unsound substructure concrete, soil compaction grouting, constructing two new seat-type abutments on CIDH piles behind the existing abutments, drilling and bonding dowels, adding confinement steel to the tops of all columns, adding shear walls to the bottoms of skewed bents, replacing existing bearings with transverse and longitudinal sliding bearings. The bridge configuration remained the same with one five-foot wide sidewalk, two (one northbound and one southbound) six-foot wide bike lanes, a six-foot median and two 12-foot wide lanes of traffic, one northbound and one southbound.	Dec-10	Dec-13	\$13,380,283	\$15,243,009	Prime
3129	French Valley Parkway	PW07-04	City of Temecula 41000 Temecula, CA	Avlin Odviar (951) 694-6411 Avlin.Odviar@cityoftemecula.com	Freeway/ramp widening and new ramp/arterial road construction. Structures work includes retaining walls (Cantilever and Mechanically Stabilized Earth) and bridge widening and earthquake retrofit.	May-12	Dec-13	\$13,780,138	\$14,828,793	Prime
3142	Alta 10 Bridges	692	Blattner Energy, Inc. 392 County Road 50 Temecula, CA 92590	Amanda Ramlar (320) 356-7351	Construction of two temporary bridges.	Sep-13	Dec-13	\$771,376	\$771,376	Subcontractor
2096/2097	OAB Earthwork Contract	1-Jan	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgfiv.com	Earthwork Contract for OAB.	Nov-13	Dec-13	\$14,377,666	\$14,377,666	Flatiron JV
3100	Route 76	11-080104	CALTRANS 4050 Taylor Street San Diego, CA 92110	Ed Fitzgibbon (619) 995-7334 ed.fitzgibbon@dot.ca.gov	Construction new 4-lane highway.	Jan-10	Feb-14	\$61,023,992	\$72,454,989	Partner Prime
3099	Santa Margarita Bridge and Second Main Track	Contract 1141600	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Removal of existing steel truss bridge and wooden trestle over Santa Margarita River. Construction of new CIP concrete box girder bridge and new pre-cast concrete box girder trestle.	Feb-10	Mar-14	\$26,276,287	\$26,276,287	JV w/ Herzog
3127	Sorrento to Miramar Double Track, Phase 1	5001827	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Rey Nocon (858) 740-4700 mocon@simonwongeng.com	Flatiron was the managing partner of a joint venture with H&H Engineering Construction, Inc. which was awarded the contract for construction of the Sorrento to Miramar Double Track Phase One Project, San Diego, California. The project is the first of two phases of construction that will help speed passenger and freight rail services by straightening the slowest, steepest, and highest curve territories of any segment on the LOSSAN corridor (the Los Angeles-San Diego-San Luis Obispo rail corridor). That stretch of single track between Sorrento Valley and Miramar Road caused a significant bottleneck to rail traffic. Due to the sharp curves and steep grade, train speed there was restricted to 25 miles per hour. The project improved schedule reliability by increasing train speeds and allowing passenger and freight trains traveling in opposite directions to pass each other. Flatiron was responsible for construction of the new alignment, steel trestle double-track bridge, and retaining walls; H&H was responsible for track installation. The scope of this contract included constructing 1.5 miles of new track, including crossovers and turnouts, parallel to the existing line from south of Sorrento Valley Boulevard to east of Interstate 805. Crews demolished a 1940s era wooden trestle bridge and replaced it with a new double-track bridge. The 140-foot long steel trestle double-track bridge was built on cast-in-place abutments and founded on driven steel pipe. To straighten the curvature of the current track alignment, crews constructed ten retaining walls and embankments along the project.	May-12	Apr-14	\$24,747,777	\$25,012,487	JV w/ H & H Engineering
3136	Replace Approach Slabs in Various Locations	11-283604	CALTRANS 4050 Taylor Street San Diego, CA 92110	Dan Juarez (858) 688-1501 dan.juarez@dot.ca.gov	Replace bridge approach slabs on 6 different highways through San Diego County.	Jan-13	May-14	\$13,511,170	\$12,261,459	Prime
3098	Route 110 Auxiliary Lanes	07-2411U4	CALTRANS 100 S. Main Street Los Angeles, CA 92402	Ragy Samy (626) 572-6700 ragy.samy@dot.ca.gov	Construct auxiliary lanes and modify ramps.	Dec-09	May-14	\$19,137,506	\$25,492,315	Prime

# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3143	Harmony Grove Village Parkway Bridge	14L0019095	Standard Pacific Corp. 2739 Country Club Drive Escondido, CA 92029	Tim Wellman (760) 443-6082 TWellman@stanpac.com	Grading, bridge, underground and street improvements.	Sep-13	Jun-14	\$2,981,726	\$2,981,726	Subcontractor
3140	Wing Avenue Flood Control Improvements	5921	County of San Diego 5500 Overland Avenue Suite 270 San Diego, CA 92123	Bill Morgan (858) 344-5859 william.morgan@sdcounty.ca.gov	Increase capacity of existing channel configuration by resurfacing the existing channel and replacement of existing reinforced concrete box culverts.	Jun-13	Aug-14	\$5,522,833	\$5,707,705	Prime
2075	Design-Build Oakland International Airport Connector	012K-110	Bay Area Rapid Transit District (BART)	Tom Dunscombe (510) 287-4822 tdunsco@bart.gov	Design Build 3.2 miles of guideway, two stations, a maintenance facility and supply and install APM system. Two miles elevated in the street median, 500 feet in cut and cover tunnel with the remainder at grade. Crosses RR and freeway and adjacent airport roads.	Sep-10	Oct-14	\$361,022,150	\$361,022,150	JV/Parsons
3133	Route 76/15 Separation	11-257144	CALTRANS 4050 Taylor Street San Diego, CA 92110	Jared Corbitt (619) 971-2488 jared.corbitt@dot.ca.gov	Modify and widen interchange.	Oct-12	Oct-14	\$19,648,515.20	\$23,320,836	Prime
2094/2095	OAB - Paving & Wicking Contract	1-Jan	COIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@tfgjv.com 510-267-8100	Paving and Wick Drains for OAB.	Nov-13	Oct-14	\$11,858,673	\$11,858,673	Flatiron JV Partner
2083	Carpenter Road Bridge Seismic Upgrades Modesto	2012-02 Fed Aid BRLSZA-5059(064)	City of Modesto Utility Planning and Project Director P.O. Box 642 Modesto, CA 95353	Vickey Dion 209-571-5542 vdion@modestogov.com	Seismic improvements to Carpenter Road Bridge and Roadway. Existing bridge abutment and hinge retrofit, bridge railing and deck overhang removal, reinforced concrete bridge construction, CIDH pile construction below ground water, cofferdam construction and removal, develop.	May-12	Nov-14	\$8,195,135	\$8,422,947	Prime
3126	Route 60/605 Separation to Route 57/60 Separation	07-286904	CALTRANS 100 Main Street Los Angeles, CA 90012	Joe Doughly (909) 594-4270 joe.doughly@dot.ca.gov	Replace PCC slabs & electrical loops and grind pavement.	Apr-12	Jan-15	\$67,665,955	\$71,569,778	Prime
3128	Route 5 Santa Clarita	07-2332A4	CALTRANS 100 Main Street Los Angeles, CA 90012	Abdul Al-jamal (818) 367-2760 abdul.al-jamal@dot.ca.gov	Widen roadway and bridges with PCC and construct retaining walls.	May-12	Feb-15	\$43,630,802	\$51,277,742	Prime
3118	Route 101 Santa Maria	05-445904	CALTRANS 50 Higuera Street San Luis Obispo, CA 93401	Patrick Stimson (805) 348-3533 patrick.stimson@dot.ca.gov	Widening of the Santa Maria River bridge on State Route 101 in Santa Barbara and San Luis Obispo Counties in and near Santa Maria from 0.5 Miles North of the Santa Maria Connector to Route 101/166 in California. The purpose of the project was to relieve traffic congestion and improve	Oct-11	Mar-15	\$30,865,199.98	\$34,038,011	Prime
2085	Hwy 99 Merced	10-415704	CALTRANS 1976 East Charter Way Stockton, CA 95205	Kewal Virk (209) 826-7953 (559) 675-5272 kewal.virk@dot.ca.gov	Construct freeway interchange and bridges on state highway in Merced County near Merced from Buchanan Hollow Road to 0.3 miles north of McHenry Road	Jul-12	Apr-15	\$66,568,275	\$70,515,547	JV w/Teichert as Lead
2084	Hwy 80 Oakland Touchdown	04-0120M4	CALTRANS 111 Grand Avenue Oakland, CA 94612	Jeanne Balderamas 510-385-6915 jeanne.balderamas@dot.ca.gov	Construction on State Highway in Alameda County in Oakland From 1.6 KM West of the Toll Plaza to 0.3 KM West of the Toll Plaza.	Jun-12	Sep-15	\$29,991,639	\$72,003,232	Prime
3141	Cow Camp Road Phase 1A/1B Bridge, SMWD and Road Improvements	13005	RMV PA2 Development, LLC 28811 Ortega Highway San Juan Capistrano, CA 92675	Scott Leetow (949) 240-3363 SLeetow@ranchomv.com	Bridge improvements, grading, and storm drain improvements, wet utilities, water, reclaimed sewer, irrigation, dry utility improvements, street improvements including asphalt concrete and traffic signalization.	Aug-13	Sep-15	\$21,521,649	\$21,521,649	Subcontractor
3151	Cow Camp Phase 1B SMWD	035C-1042	RMV PA2 Development, LLC 28811 Ortega Highway San Juan Capistrano, CA 92675	Scott Leetow (949) 240-3363 SLeetow@ranchomv.com	Construction of Sewer Lines and Water Lines.	Oct-14	Sep-15	\$1,349,404	\$1,349,404	Subcontractor
3158	SMWD Intertie Station	030C-1123	RMV PA2 Development, LLC 28811 Ortega Highway San Juan Capistrano, CA 92675	Scott Leetow (949) 240-3363 SLeetow@ranchomv.com	Emergency intertie station.	Dec-14	Sep-15	\$286,530	\$286,530	Subcontractor
2101	SFPUC Lower Cherry Aqueduct	HH-974(E)	SFPUC 1145 Market Street San Francisco, CA 94103	Ryan Fitzgerald Contract Administration 415-934-3980	Phase 1- Clean Tunnels, Clean And patch culvert, provide hydraulic upgrades and temporary instrumentation panel to manually operate Cherry Creek Diversion Dam and install temporary safety structures. Phase 2 - Install and clean pipe to replace open aqueduct, repair tunnels.	Oct-14	Oct-15	\$14,000,000	\$14,000,000	CM/GC
3135	Route 5/74	12-0E3104	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Mohammad Ravanipour (949) 279-8407 mohammad.ravanipour@dot.ca.gov	Replace bridge and widen ramp.	Nov-12	Oct-15	\$24,850,553	\$29,319,667	Prime

# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3161	Runway, Papa Taxiway, Hanger 2 Apron at MCAS Miramar	N62473-14-D-0045	Department of the Navy Naval Facilities Engineering Command Southwest 1220 Pacific Highway	Paula Conely (858) 577-1230 paula.conely@navy.mil	Repair of damaged airfield paving.	Mar-15	Oct-15	\$2,875,378	\$2,875,378	Prime
3167	Route 8 Cal Sorrento Emergency Project	11A2332	CALTRANS Division of Procurement and Contracts 1727 30th Street Sacramento, CA 95816-7006	Cameron Chaffee (619) 888-3377 cameron.chaffee@dot.ca.gov	Construct subterranean drainage system.	Jul-15	Oct-15	\$281,000	\$281,000	Prime
2098/2099	OAB - Outfall Structure	5-Jan	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgfv.com 510-267-8100	Wharf Outfall Structure for OAB.	May-15	Oct-15	\$2,700,000	\$2,700,000	Prime
3089	Route 10 HOV Lanes	07-117074	CALTRANS 100 Main Street Los Angeles, CA 90012	Sushil Chaudhari (213) 453-7555 sushilkumar.n.chaudhari@dot.ca.gov	Construct HOV lanes.	Oct-09	Feb-16	\$76,552,567	\$91,324,057	Prime
3159	Route 7 Callexico	11-238404	CALTRANS 4050 Taylor Street San Diego, CA 92110	Shawn Rizzutto (760) 594-2032 shawn.rizzutto@dot.ca.gov	Pavement rehabilitation, replace AC with CRCP.	Dec-14	Feb-16	\$11,134,915	\$11,446,250	Prime
3144	San Onofre to Pulgas Double Track Stage 1	5001515	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists in general of providing 4.2 miles of second main track between existing Control Point (CP) San Onofre and a New cross over at a new CP Don.	Jan-14	Jun-16	\$18,833,800	\$18,272,703	JV w/ H & H Engineering
3146	Sorrento Valley Double Track	5004027	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Vargo (619) 259-9805 svargo@kleinfelder.com	The work consists of construction of a second main track and associated bridge, retaining wall, culvert, embankment protection and drainage work.	Feb-14	Jun-16	\$17,559,500	\$18,579,627	JV w/ H & H Engineering
3147	South Line Freight Improvement	5004301	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists of improvements on the South Line (MTS Blue Line) in the City of Chula Vista between J Street and the Otay River Bridge. Proposed work includes construction of track infrastructure including rail and tie replacement, reconstruction of the highway grade crossing at L Street, installation of new special trackwork modifications to existing special trackwork.	Jan-14	Jun-16	\$18,345,678	\$18,552,505	JV w/ H & H Engineering
3103	Route 5 from North of Sheldon St. to 5/118 to 5/170	07-1219U4	CALTRANS 100 Main Street Los Angeles, CA 90012	Emile Eid (213) 276-2054 emile.eid@dot.ca.gov	Construct HOV slabs, connectors and replace slabs.	Jul-10	Jul-16	\$95,866,596	\$103,519,184	Prime
3139	Blue Line Station Improvements	5001933	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Trolley Station, Transit Center, and Track Reconstruction and Upgrades between the San Diego Trolley Line and San Ysidro Intermodal Transit Center.	Jul-13	Sep-16	\$57,881,145	\$69,006,234	Prime
3152	San Vicente Road Improvement	1009592	County of San Diego 5500 Overland Avenue Suite 270 San Diego, CA 92123	Ted Kautzman (858) 805-1200 ted.kautzman@sdccounty.ca.gov	Realignment of San Vicente Road with utility undergrounding. Major work scopes are earthwork, waterline, box culverts, and AC Paving.	Sep-14	Dec-17	\$22,615,403	\$25,843,166	Prime
2103	Orwood Rd Bridge Replacement	County Project No: 0662-6R4076 Fed Aid No: BRLO 5928(045)	Contra Costa County Public Works 255 Glacier Drive Martinez, CA 94553 Phone 925-313-2000 Contact: Neil Leary, Project Sr Engineer	CM Firm: Hanna Group 855 Marina Bay Parkway, Suite 25 Richmond, CA 94804 Cell Phone: 415-717-9101 Contact: Nick Panayotou.	Replacement of the Orwood Rd Bridge structure and reconstructing the roadway approaches on Orwood Rd at Werner Dredger Cut and the Orwood Resort in Brentwood, CA.	Jun-15	Dec-16	\$7,984,449	\$7,984,449	Prime
2090	Smith River Bridge	CA PFH 112-1(3)	Fed Highways Administration Central Federal Lands Highway Div. 12300 W. Dakota Ave. Ste 360 Lakewood, CO 80228	Wendy Longley wendy.longley@dot.gov 720-963-3394	CM/GC project to Design and construct the South Fork Smith River Road Bridge.	May-15	Oct-16	\$10,000,000	\$10,000,000	CM/GC
2091	Rte 199 Gasquet Bridge	01-479404	Caltrans 6301 North State Street Ukiah, CA 95482	Karen Sanders, RE Karen.Sanders@dot.ca.gov 707-464-9157 Office 707-498-4009 Cell	Contract awarded in January 2014. Project is currently on hold by Caltrans due to environmental permitting issues that were not completed prior to contract award.	Mar-14	Jan-16	\$13,624,157	\$1,419,466	Prime
3153	Yesler Terrace Early Infrastructure	4584	Seattle Housing Authority 190 Queen Anne Avenue N Seattle, WA 98109	Lori Stehlik (206) 515-3478 lori.stehlik@seattlehousing.org	Project consists of 3 packages: --Early Infrastructure; installs new utilities and new/rebuilt city streets --Hill Climb; builds a stair case and bicycle ramp climbing 60' in elevation through a critical slope area --Site Demo and Rough Grading; removes existing home foundations and light infrastructure and regrades the sites for future development	Aug-14	May-16	\$12,029,000	\$12,029,000	Prime
3168	Route 5 Rio Hondo Bridge Emergency Project	07A3885	CALTRANS Division of Procurement and Contracts 1727 30th Street Sacramento, CA 95816-7006	Kevin Bui (562) 572-5983 kevin.bui@dot.ca.gov	Repair all fire damage sustained to Bridge 53-639 Rio Hondo.	Jul-15	May-16	\$3,000,000	\$3,000,000	Prime
3144	San Onofre to Pulgas Double Track Stage 1	5001515	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists in general of providing 4.2 miles of second main track between existing Control Point (CP) San Onofre and a New cross over at a new CP Don.	Jan-14	Jun-16	\$18,833,800	\$18,833,800	JV w/ H & H Engineering
3147	South Line Freight Improvement	5004301	SANDAG 401 B. Street, Suite 800 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	The work consists of improvements on the South Line (MTS Blue Line) in the City of Chula Vista between J Street and the Otay River Bridge. Proposed work includes construction of track infrastructure including rail and tie replacement, reconstruction of the highway grade crossing at L Street, installation of new special trackwork modifications to existing special trackwork.	Jan-14	Jun-16	\$18,345,678	\$18,345,678	JV w/ H & H Engineering
2087	Hwy 101 Willits Bypass	01-262004	Caltrans 6301 North State Street Ukiah, CA 95482	Geoffrey Wright (707) 496-4355 geoffrey.wright@dot.ca.gov	Hwy 101 Willits Bypass	Feb-13	Feb-17	\$107,968,215	\$172,902,457	Flatiron led JV with DeSilva FWI JV Portion \$68 Mil

# Flatiron - Additional Completed Projects - Past 10 Years

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Start Date	Completion Date	Initial Contract Value	Final Contract Value	Prime/JV
3154	Route 5 Cockleburrr to SD County Line	11-406704	CALTRANS 4050 Taylor Street San Diego, CA 92110	Mohammed Khan (858) 720-2111 mohammed.khan@dot.ca.gov	PCC rehabilitation including PPCP, JPCP (RSC), and approach slabs.	Sep-14	Feb-17	\$33,410,524	\$37,386,825	Prime



**Flatiron - Current Projects**

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Contract Award Date	Estimated Completion Date	Initial Contract Value	Prime/JV
2078	Presidio Parkway P3 Design-Build	04-1637U4	CALTRANS 111 Grand Avenue Oakland, CA 94612	Skip Sowko 622 0814 skip.sowko@dot.ca.gov	(510) P3 D/B Project: Eight new bridges, three cut and cover tunnels, roadway, detours, landscaping, earthwork, demolition, relocation and salvage of historic buildings	Jan-11	Sep-16	\$254,028,000	JV/Kiewit
2081	Calaveras Dam Replacement	WD-2551	SFPUC 1145 Market Street San Francisco, CA 94103	Dan Wade 415-554-1853 415-554-3289 dwade@sfwater.org	The Dragados USA, Inc / Flatiron West, Inc / Sukut Construction, Inc Joint Venture was awarded this contract for the Calaveras Dam Replacement Project in the City of Sunol, County of Alameda, California to repair, replace, and seismically upgrade the aging pipelines, tunnels and reservoirs in the Hetch Hetchy Regional Water District. The construction of the new earthen dam included the excavation of over 4 million cubic yards out of the foundation and left/right abutments to set the core of the dam on a solid rock foundation; dam embankment consisting primarily of clay, sandstone, and hard rock materials generated from onsite borrow sites, and chimney drain rock imported from offsite quarries; new 20-foot diameter x 180-foot deep intake shaft and connection adit tunnel to connect the new shaft to the existing shaft and intake adits at three underground tunneling locations, and abandon the existing shaft; construction of prefabricated steel bridge over spillway was built offsite and then hoisted in place over concrete foundations.	Aug-11	Sep-17	\$259,571,850	Dragados/Flatiron/Sukut JV
2102	Embarcadero Bridge Replacement	G121810	City of Oakland 250 Frank H. Ogawa Plaza Oakland, CA 94612 510-239-7270	Nader Rabahat nrabahat@oaklandnet.com 510-238-6605	Replacement of the Embarcadero Bridge over the Lake Merritt Channel in downtown Oakland.	NTP Pending	May-17	\$16,399,527	Prime
2104	CA HSR Construction Package 2-3 (CP 2-3)	HSR- 13-57	California High Speed Rail Authority 770 L Street, Suite 1160 Sacramento, CA 95614 Phone 916-324-1541	Authority Authorized Representatives. Jorge Granados, PE as Construction Manager	Major work elements include construction of at-grade, aerial and possible below grade sections of high-speed train alignment, construction of at-grade, aerial, and possible below grade sections of high speed train, relocation of existing BNSF tracks for approximately 5.5 miles, possible reconstruction and realignment of Riverside Drive including new bridge construction.	Design Phase Jun 2015 to Jun 2016	Jun-20	\$1,365,335,890	Dragados/Flatiron Joint Venture 50/50 Split
3116	Riverside Drive Viaduct Over Los Angeles River	E700002F & E700301F	City of Los Angeles 200 North Spring Street Los Angeles, CA 90015	Kiran Vohra (213) 485-4935 kiran.vohra@lacity.org		Jul-11	Jun-17	\$38,895,057	Prime
3119	Route 5 Carmenta	07-2159C4	CALTRANS 100 Main Street Los Angeles, CA 90012	Peter Lee (562) 401-3333 ext. 228 peter.m.lee@dot.ca.gov	Widen and realign freeway with PCC and widen CIP PS concrete bridges.	Nov-11	Nov-17	\$86,565,396	Prime
3134	Route 5 Silverbow	07-215934	CALTRANS 100 Main Street Los Angeles, CA 90012	Sam Frempong (562) 345-9965 sam.frempong@dot.ca.gov	Widen and realign freeway and construction pedestrian overcrossing, overcrossing and undercrossing structures.	Nov-15	Aug-17	\$74,580,829	Prime
3138	Orangethorpe Avenue Railroad Grade Separation	C-2-1475	OCTA 550 Main Street Orange, CA 92863	Jay Gabrielson (714) 560-5981 jgabrielson@octa.net	Reconstruction of Orangethorpe Avenue to allow for railroad grade separation in the Cities of Anaheim and Placentia in Orange County, California. This project, which will elevate the four-lane Orangethorpe Avenue over the BNSF railway tracks to separate rail and roadway traffic - will eliminate traffic delays, result in greater driver/pedestrian safety, shorter emergency response times, allow for easier business access, and improve air and noise conditions. The scope of work included constructing four bridges including construction of a new single-span pre-cast prestressed wide flange girder bridge approximately 295 feet in length and 110 feet wide; replacement of an existing bridge with a single span cast-in-place prestressed concrete box girder bridge approximately 167 feet long and varying widths of up to 86 feet wide; replacement of an existing bridge with a single span precast prestressed concrete girder bridge approximately 72 feet long and 110 wide; construction of a single span precast prestressed concrete voided slab bridge approximately 37 feet long and 20 feet wide; thirteen retaining walls - almost one linear mile - consisting of mechanically stabilized earthwork, cast-in-place reinforced concrete, and combination walls; laying down over one mile of reinforced concrete drain pipe, re-locating a 72-inch pipeline and connecting to the existing system; placing asphalt concrete and PCC pavement; and placing sewer pipe.	Jun-13	Apr-17	\$45,137,137	Prime
3148	Route 101 Goleta	05-0G0704	CALTRANS 50 Higuera Street San Luis Obispo, CA 93401	Michael Mortensen (805) michael.mortensen@dot.ca.gov	Widen freeway, ramps, bridges.	Feb-14	Jul-17	\$16,629,374	Prime
3149	Raymond Avenue Grade Separation	45890	City of Fullerton 303 West Commonwealth Avenue Fullerton, CA 92832-1775	Yelena Voronel (714) 739-8852 yelenav@ci.fullerton.ca.us	Construction of grade separation to lower Raymond Avenue under the BNSF tracks and offset the Raymond Avenue centerline 10 feet to the west. Work includes street improvements, bridges, retaining walls, drainage, utilities signal and lighting	Jul-14	Nov-17	\$46,416,872	Prime

# Flatiron - Current Projects

Flatiron Job #	Project Name	Contract #	Client	Reference	Description of Work	Contract Award Date	Estimated Completion Date	Initial Contract Value	Prime/JV
3150	I-15 / Base Line Road Interchange	C14162	SANBAG 1170 W. 3rd Street, 2nd Floor San Bernardino, CA 92410	Nabil Fraywat (951) 782-8010 nabil.fraywat@arcadis-us.com	Bridge work, retaining walls, earthwork, PCC paving, CIDH piling, electrical and utilities.	Aug-14	Apr-17	\$26,907,000	Prime
3152	San Vicente Road Improvement	1009592	County of San Diego 5500 Overland Avenue Suite 270 San Diego, CA 92123	Ted Kautzman (858) 805-1200 ted.kautzman@sdccounty.ca.gov	Realignment of San Vicente Road with utility undergrounding. Major work scopes are earthwork, waterline, box culverts, and AC Paving.	Sep-14	Dec-17	\$22,615,403	Prime
3155	Route 5 Avenida Vista Hermosa	12-0F96C4	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Steve Kinaly (949) 729-8800 steve.kinaly@dot.ca.gov	Add HOV lane in each direction for approx 1.5 miles. Construct 11 each retaining walls; and construct 1 bridge widening.	Sep-14	Dec-17	\$44,312,578	Prime
3156	SR 520 WABN Montlake to Evergreen Pt.	8625	Washington Department of Transportation 600 Stewart Street, Suite 520 Seattle, WA 98101	Brian Dobbins (206) 770-3518 DobbinsB@wsdot.wa.gov	Build 6000 LF bridge over water. North of the existing bridge. The new bridge connects Westbound traffic from the new 520 Floating bridge to land on the Seattle side of Lake Washington. The project also includes demolition of an old museum building, existing bridges and changes to the Montlake Blvd interchange.	Oct-14	Oct-17	\$199,537,371	Prime
3157	Route 138 Phelan	08-3401U4	CALTRANS 464 W. 4th Street San Bernardino, CA 92401	Elvira Lenart (951) 232-8949 elvira.lenart@dot.ca.gov	Widening highway, bridges and constructing retaining walls.	Feb-15	May-17	\$22,615,403	JV w/ Hardy & Harper
3160	I-5 North Coast Corridor	112T21CM	CALTRANS 4050 Taylor Street San Diego, CA 92110	Allan Kosup allan.kosup@dot.ca.gov	Construction management and general contractor services for the design and construction on State Highway, Lossan Rail Corridor and San Elijo Lagoon in San Diego from Lomas Santa Fe Drive to State Route 78.	Jan-15	Dec-20	CMGC Contract - Up to \$700,000,000	JV w/ Skanska and Stacy and Witbeck
3162	Route 5 Genesee	11-0223U4	CALTRANS 4050 Taylor Street San Diego, CA 92110	Dave Pound (658) 829-5035 dave.pound@dot.ca.gov	Replace and widen bridge, reconstruct ramps and intersection.	Mar-15	Aug-18	\$60,930,519	Prime
3163	Route 210 Dunsmore to North Los Robles	07-2881U4	CALTRANS 100 Main Street Los Angeles, CA 90012	Sushil Chaudhan (213) 453-7555 sushilkumar.n.chaudhan@dot.ca.gov	Construct concrete pavement, precast concrete panels and slabs.	May-15	Nov-17	\$105,495,712	Prime
3164	Route 5 Avenida Pico	12-0F96A4	CALTRANS 3337 Michelson Drive, Suite 380 Irvine, CA 95612	Andrew Chuah (949) 279-8496 andrew.chuah@dot.ca.gov	Freeway widening and bridge reconstruction.	Feb-15	Nov-17	\$49,439,933	Prime
3166	Route 1 San Simeon	05-492804	Papich Construction Co., Inc. P.O. Box 2210 Pismo Beach, CA 93448	David Cruce (559) 213-3445 dcruce@papichconstruction.com	Bridge construction.	Apr-16	Apr-17	\$7,337,298	Subcontractor to Papich
3169	Route 11/125/905 Separation	11-282814	CALTRANS 4050 Taylor Street San Diego, CA 92110	Jared Corbett (858) 220-3986 jared.corbett@dot.ca.gov	Construct freeway to freeway connectors.	Oct-15	Apr-17	\$11,952,895	Prime
3170	Gilman Drive Realignment (CM/GC)	A4L-388-966049	UCSD Facilities Design and Construction 9500 Gilman Drive #0916 La Jolla, CA 92093-0916	Jessica Calixto (858) 534-1991 jcalixto@ucsd.edu	This project reconfigures and widens Gilman Drive from Via La Jolla north towards Voigt Drive and provides a new four-way signalized intersection to improve campus circulation and which will allow for the connection to the future Interstate 5(I-5)/ Gilman Bridge. Utilities through the planned Gilman Bridge, including domestic water, reclaimed water, electrical, and telecommunications distribution lines will be constructed in Gilman Drive and inside the bridges' box girders and connected to services on the west side of the bridge as part of this project.	Jan-16	May-17	\$13,016,027	Prime
2092/2093	OAB Design Build Contract	Main Contract	CCIG/ City of Oakland	Cliff Kunkel - Turner ckunkel@ttgflv.com 510-267-8100	Design Build at Former Oakland Army Base.	Nov-13	Nov-17	\$150,000,000	Turner/Goodfell ow Top Grade /Flatiron DB JV
3175	Eastern Gateway Pumbaa Garage Project	1298-2-02-450	Bornel Construction Company, Inc. 8195 E. Kaiser Blvd., Anaheim, CA 92808	Jennifer Coppen (714) 321-1600 jcoppens@bornelconstruction.com	Construction of bridge at the Pumbaa Garage.	Dec-16	Dec-17	\$14,763,400	Subcontractor to Bornel
3176	South Bay BRT Segment 2	5007009	SANDAG 401 B Street, Suite 500 San Diego, CA 92101-4231	Steve Hoyle (760) 518-8715 SHO@sandag.org	Construction of dedicated bus Rapid Transit guideway.	Sep-16	Jul-18	\$19,868,545	Prime
3178	Consolidated Demolition and Utility Improvements at Plant No. 2	P2-110	Orange County Sanitation District 10844 Ellis Avenue Fountain Valley, CA 92708	Jay Kaura (714) 593-7725 jkaura@occsd.com	Demo existing specific facilities, utilities, structures, construction trailers, and tunnels; reroute existing utilities; construct new oil dock; install new air compressor; asphalt paving.	Feb-17	Jul-19	\$16,730,000	Prime
3180	Willow Street Bridge Replacement	STL261	City of Chula Vista Department of Public Works Engineering 276 Fourth Avenue Chula Vista, CA 91910	Paul Oberbauer (619) 691-5247 poberbauer@chulavista.gov	Work to be done consists of improvements on Willow Street from Bonita Road to Valley Vista Road and approximately 600 ft, along the easterly segment of Sweetwater Road.	Feb-17	Dec-18	\$15,186,666	Prime

## STATEMENT OF QUALIFICATIONS

Bidder shall complete this entire Statement of Qualifications questionnaire and submit it to City at the time of bid, in accordance with Section 00100, **INSTRUCTION TO BIDDERS**. Failure to complete the questionnaire or inclusion of any false statement is grounds for immediate disqualification. The City reserves the right to waive minor irregularities, inconsequential deviations and to make all final determinations. The City will evaluate the information contained in each applicant's questionnaire and responses received in reference checks. The sole and discretionary judgment of the City will determine if the Contractor is deemed qualified.

### 1. CONTACT INFORMATION

Company Name: Flatiron West, Inc.

Form of Company: ☐ Sole Proprietor ☐ Partnership ☐ Non-Profit 501 C3  
☒ Corporation ☐ other (please attach explanation)

Owner of Company: N/A - Corporation

Contact Person: Steven A. Francis

Street Address: 2100 Goodyear Road, Benicia, CA 94510

Mailing Address: 2100 Goodyear Road, Benicia, CA 94510

Phone: 707-742-6000 Fax: 707-746-1603

Federal Tax I.D. No. 84-1173347

### PART A: GENERAL INFORMATION

Complete Part A before proceeding to Part B.

1. Contractor possesses a valid and current California Contractor's "A" license for the work proposed. ☒ Yes ☐ No \_
2. Contractor will comply with and provide all insurance as defined in Section 00800-2.0, Liability and Insurance. ☒ Yes ☐ No \_
3. Contractor's license has been revoked at any time in the last five (5) years. Yes ☒ No \_
4. Contractor has been "default terminated" by an owner (not for convenience), or a Surety has completed a contract for Contractor within the last five (5) years. Yes ☒ No \_

5. Contractor has been cited more than twice for failure to pay prevailing wages in the last five (5) years. Yes ☐ No ☒
6. Contractor has current Workers' Compensation insurance coverage as required by the Labor Code or is legally self-insured pursuant to Labor Code section 3700 et. seq. Yes ☒ No ☐
7. At the time of submitting this qualification form, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either Labor Code section 1777.1 or Labor Code section 1777.7? Yes ☐ No ☒
8. At any time during the last five (5) years, has your firm, or any of its owners or officers been convicted of a crime involving the awarding of a contract of a government construction project, or the bidding or performance of a government contract? Yes ☐ No ☒

**Contractor will be immediately disqualified if any answer to questions 1, 2, or 6 is No. Contractor will be immediately disqualified if any answer to question 3, 7, or 8 is Yes. Contractor may be immediately disqualified if the answer to questions 4 or 5 is Yes. At a minimum to avoid such disqualification, Contractor must include with this Questionnaire a full description of the applicable circumstance and sufficient information to permit City to evaluate Contractor's overall qualifications to perform the work. City retains sole discretion to disqualify any Contractor who answers yes to either question 4 or 5.**

## **PART B: SAFETY, PREVAILING WAGE, DISPUTES AND BONDS**

### **(Safety)**

1. Has CAL OSHA, Federal OSHA, the EPA or any Air Quality Management District cited your firm in the past five (5) years? Yes ☒ No ☐ If yes, attach description of each citation. Please see attached OSHA citation information.

### **(Prevailing Wage Provisions)**

2. Has your firm been fined, penalized or otherwise found to have violated any prevailing wage or labor code provision? If yes, attach description of each fine/penalty. Yes ☐ No ☒

### **(License Provisions)**

3. Has your company changed names or license numbers in the past 10 years? If so, please state reason for change. Yes ☒ No ☐  
Reason In January 2009, our company name changed from FCI Constructors, Inc. to Flatiron West, Inc. Our license #772589 remains the same. The name change was made to create continuity across our organization.

**(Disputes)**

4. Has your firm had any claims, litigation, or disputes ending in mediation or arbitration, or termination for cause associated with any project in the past five (5) years? If yes, attach description of each such instance including details of total claim amount, settlement amount, and owner's name and phone number.

Yes   X   No       

| Please see Disputes attachment submitted under separate sealed envelope marked CONFIDENTIAL.

Year	Company	Inspection Date	Issuance Date	Abate Date	Location			Description
2012	South	8/24/2012	2/19/2013	3/1/2013	15/170 Section of Fwy. South of 9215 Cranford Ave., Arleta, CA	Other	T8 CR 3395 (e)	On 8/21/12 two employees working as laborers during the construction of a freeway section did not have access to potable drinking water because they had to work for long periods of time during the pouring of concrete and were not encouraged to drink sufficient amounts of water as required in subsection 3395(e).
2012	South	8/24/2012	2/19/2013	3/1/2013	15/170 Section of Fwy. South of 9215 Cranford Ave., Arleta, CA	Other	T8 CCR 3395(d) Access to Shade	Instance 1 - On 8/21/12 shade was not present for laborers working inside of a bay when the temperature exceeded 85 degrees R. Only later was shade present for these laborers in the form of "Easy-Ups" shade canopies after one employee had heat exhaustion. Reference T8 CCR 3395(d)(1). Instance 2 - On 8/21/12 the employer did not encourage laborers from taking cool-down rests in the shade for at least five minutes at a time if they needed to protect themselves from overheating. Employees believed they were not permitted to take such recovery rests during long durations of concrete pours. Reference T8 CCR 3395(d)(3)
2013	South	4/23/2013	9/6/2013	9/16/2013	Westbound 60 fwy onramp Nogales St Exit, City of Industry, CA 91714	Serious	Title 8 California Code of Regulation Section 3329 (b). Pipe Lines; All pressure piping shall be designed, constructed, installed, and maintained in accordance with good engineering practice. Piping which meets the requirements of the applicable ANSI B31 standard shall be considered as providing reasonable safety.	On March 29, 2013 a pressure pipe was not constructed and installed with good engineering practice. Male threaded polyvinyl chloride (PVC) pipes were installed to aluminum based cam-lock pipe couplers at multiple locations. Pressurized hot water was pumped through the pipe system. At least two coupler/PVC connections failed, allowing water at approximately 180 degrees F to spray out. A worker attending to the first failed coupler/PVC connection was sprayed with hot water from a second failed coupler/PVC connection. The worker was seriously injured as defined by TBCCR section 330(h). The thermal load of approximately 180 degrees F caused the PVC pipe to distort and separate from the metal coupler.
2013	South	8/23/2013	1/22/2014	1/31/2014	9215 Cranford St., Arleta CA	General	T8 CCR 1935c Use of Flammable liquids. Flammable liquids may be used only where there are no open flames or other sources of ignition within the possible path of vapor travel.	On 7/23/13, employees pouring gasoline from a Justrite 5 gallon safety can into the tank of a Honda GX 390 generator did not ensure there were no sources of ignition within the possible path of the gasoline vapor travel. During the time the gasoline was poured, the generator was off but parts of the generator were still hot from previous use. One employee was seriously injured when the vapors ignited causing him to be burned.
2013	South	11/1/2013	3/14/2014	4/16/2014	170 S Kellogg Ave, Goleta, CA 93117	General	(6) (A) (B) (7) (A) (B) (C) (D) (E) (F)	On September 16, 2013 the employer did not implement its Injury and Illness Prevention Program as emergency medical services were not immediately notified when an employee suffered a serious injury. It took approximately 45 minutes to 1 hour before 911 was notified.
2014	South	2/26/2015	5/15/2015		7380 E Willow St, Long Beach CA 90745	Serious	1509(a)	Prior to and during the course of the investigation, an employee was not trained in the proper assembly of a free standing scaffold. As a result, on or about 12/29/14, the employee fell off the scaffold and suffered a serious injury
2014	South	2/26/2015	5/15/2015		7380 E Willow St, Long Beach CA 90745	Serious	1646	Prior to and during the course of the investigation the free standing, 10 foot high scaffold which had a base that was less than 1/3 the height of the scaffold, was not securely guyed or tied. As a result, on or about 12/29/14, an employee sustained a serious injury when he fell off the scaffold
2014	South	2/26/2015	5/15/2015		7380 E Willow St, Long Beach CA 90745	Serious	1670 (b) (10)	Prior to and during the course of the investigation, including, but not limited to, on 12/29/14, the unistrut used as an anchorage for attachment of personal fall arrest systems was not capable of supporting at least 5000 pounds per employee attached
2015	North	1/23/2015	7/16/2015	8/20/2015	660 E Valey Road Willits, CA 95490	General	1509 (a)	During the course of an investigation related to an accident which occurred on 1/22/15, it was determined by the Cal/OSHA program that Flatiron West Inc., the controlling, creating, correcting, and exposing employer did not establish, implement and maintain an effective Injury and Illness Prevention Program in accordance with section 3203 of the General Industry Safety Orders. This citation is being issued in accordance with Section 336.10 - Multi-Employer Worksites
2015	North	1/23/2015	7/16/2015	8/20/2015	660 E Valey Road Willits, CA 95490	Serious	1717(a) (1)	Prior to and on 1/22/15, Flatiron West Inc., the controlling, creating, correcting, and exposing employer(s), working on the Willits Hwy 101 Bypass; Floodway Viaduct #10-0165 project, did not ensure that formwork and falsework or shoring for the support of concrete or other materials was designed, erected, supported, braced and maintained so as to assure its ability to safely withstand all intended loads during erection, construction, and usage thereby exposing their employees, as well as employees of other parties such as CA Transportation (Caltrans) employees who were working on the project, when it collapsed on it, injuring three employees. This citation is being issued in accordance with Section - Multi-Employer Worksites
2015	North	1/23/2015	7/16/2015	8/20/2015	660 E Valey Road Willits, CA 95490	Serious	1717(c)(1)	Prior to and on 1/22/15, Flatiron West, Inc., the controlling, creating, correcting, and exposing employer(s), working on the Willits Hwy 101 Bypass; Floodway Viaduct #10-0165 project, did not after the construction of the falsework or vertical shoring system and prior to placement of concrete, have a civil engineer, currently registered in California, or authorized representative, inspect the falsework or vertical shoring system and ensure conformity with the working drawings. The person performing the inspection shall certify in writing that the falsework or vertical shoring system substantially conforms to the working drawings and that the material and workmanship are satisfactory. This citation is being issued in accordance with Section 336.10 - Multi-Employer Worksites.
2016	South	3/7/2016	8/1/2016	3/30/2016	Carmenita On ramp SB & 15, Santa Fe Springs, CA 90670	General	1612.3(a)	Prior to and during the course of the investigation, including but not limited to on 2/1/16, the employer did not prohibit operations in which any part of the equipment, load line, or load (including rigging and lifting accessories) is closer than the minimum approach distance under table A of section 1612.1 to an energized power line. On or about 2/1/16, an employee holding onto the rigging cable of a crane (Make: Terex/Model:RT775/Serial No: 13512) attempted to rig a 12ft x 12ft piece of timber when the cable made contact with the overhead energized transmission line (16KV) shocking the employee.

## **PART D: CONTRACTOR SAFETY RECORD**

The City of Sunnyvale (Owner) Water Pollution Control Plant (WPCP) has a gas chlorine disinfection process, which is classified as a covered process regulated by CCR Title 19 Section 2745.1, "California Accidental Release Prevention (CalARP) Program and 40 CFR Part 68.150 "Risk Management Programs for Chemical Accidental Release Prevention". As such, part of the determination of bidder's responsiveness will be based on its safety record, using three methods. For the Bidder's bid to be considered, the Bidder shall meet at least two of the three minimum safety standards as specified herein. If the Bidder is a Joint Venture of two or more companies, each Principal in the Joint Venture shall meet the safety requirements, and complete the required forms, included herein as part of the bid.

1. Experience Modification (EMR)
  - a. Experience modification rates are calculated by the insurance industry as a way to determine equitable workers' compensation insurance premiums. It is calculated as a three-year moving average.
  - b. Due to the particular safety hazards inherent in working in a wastewater collection, handling, treatment and/or disposal environment, the Owner has deemed it necessary that a Bidder shall have a current three-year average EMR of 1 or lower to be considered a responsive Bidder.
2. Recordable Incident Rate (RIR)
  - a. The RIR is a measure of the frequency of injuries and is a measure of all occupational injuries and illnesses that occur within an organization. It is calculated from the OSHA Log 300 form.
  - b. Due to the particular safety hazards inherent in working in a wastewater collection, handling, treatment and/or disposal environment, the Owner has deemed it necessary that a Bidder shall have a current three-year average RIR of 3.4 or lower to be considered a responsive Bidder. This value is based on the most recent State of California RIR value for Heavy and Civil Engineering Construction, Utility System Construction.
3. Lost Time Incident Rate (LTIR)
  - a. The LTIR is an indicator of the severity of a company's occupational injuries.
  - b. The LTIR deals only with incidents that result in lost work time. Like the RIR, the information needed to calculate the LTIR is derived from the OSHA Log 300 form.
  - c. Due to the particular safety hazards inherent in working in a wastewater collection, handling, treatment and/or disposal environment, the Owner has deemed it necessary that a Bidder shall have a current three-year average LTIR of 0.9 or lower to be considered a responsive Bidder. This value is based on the most recent State of California LTIR value for Heavy and Civil Engineering Construction, Utility System Construction.

Bidder shall submit the appropriate EMR, RIR, and LTIR proposal forms included following this section as part of the bid to demonstrate the Bidder's safety qualifications.



City Project No. UY-16/01-20  
City of Sunnyvale Primary Treatment Facility Package 2  
January 30, 2017 - Addendum No. 3

Invitation for Bids #PW 16-28

**The undersigned hereby states under penalty of perjury that all representations regarding the Bidder's Company Experience, and Safety Qualification Information are correct and true.**

Signed this 28th day of February, 20 17

Bidder's Name Flatiron West, Inc.



2/28/17

Authorized Signature

Date

Steven A. Francis, Vice President

Title of Signatory<sup>AD3</sup>

\*\*\*END OF SECTION\*\*\*

### Experience Modification Rate

The following information will be used to determine if you meet the minimum safety requirements for this project. To qualify, you must not have a three-year average Workers' Compensation Experience Modification Rate less than or equal to the value specified.

Enter your Experience Modification Rate for the last three complete years (available from your insurance carrier).

20	<u>16</u>	EMR=	<u>0.86</u>
20	<u>15</u>	EMR=	<u>0.62</u>
20	<u>14</u>	EMR=	<u>0.56</u>
a) <u>Three-Year Average =</u>			
<u>0.68</u>			

Company Name:

**Flatiron West, Inc.**

Contact Name: **Steven A. Francis** Telephone: **707-742-6000**

To verify the above information, we will contact your workers' compensation insurance carrier. Please authorize your carrier to release this information. Failure to do so will result in automatic disqualification.

Workers' Compensation Insurance Company:

**Zurich American Insurance Company**

Contact Name: **Heriberto Valedon** Telephone: **212-553-5372**

Do not write in this space

Qualified [ ]

Not Qualified [ ]

EMR Information Verified [ ]



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165 Broadway -32<sup>nd</sup> Fl  
New York, New York 10006  
Telephone: (212)553-5372  
Cell: 917-974-2795  
Telefax: (516) 213-7047  
E-mail: [heriberto.valedon@zurichna.com](mailto:heriberto.valedon@zurichna.com)

February 28, 2017

To Whom It May Concern:

Please accept this letter as confirmation that Flatiron West, Inc. is currently insured by Zurich and in good standing.

In addition, the following are the California experience modifiers for Flatiron West, Inc. for the past Three (3) year history.

<u>Year</u>	<u>CA</u>
6/1/2016	0.86
6/1/2015	0.62
6/1/2014	0.56

Should you require any additional information, please do not hesitate to call my office.

Sincerely,

Heriberto Valedon  
Senior Account Executive  
Construction Division

### Recordable Incident Rate

The following information will be used to determine if you meet the minimum safety requirements for this project. To qualify, you must have a three-year average Recordable Incident Rate less than or equal to the value specified.

Please calculate the RIR for the last three complete years as follows. Incident rate information is on your Cal OSHA Log 300.

$$\frac{\text{Total number of recordable incidents} \times 200,000}{\text{Total employees hours worked}} = \text{RIR}$$

Recordable Incidents			Total Employee Hours Worked		
	Year	Number		Year	Hours
	20	<u>16</u>		20	<u>16</u>
		<u>26</u>			<u>1,589,379</u>
	20	<u>15</u>		20	<u>15</u>
		<u>18</u>			<u>1,982,582</u>
	20	<u>14</u>		20	<u>14</u>
		<u>37</u>			<u>2,054,025</u>

Enter your Total Recordable Incident Rate for each of the last three complete years.		
20	<u>16</u>	RIR= <u>3.27</u>
20	<u>15</u>	RIR= <u>1.81</u>
20	<u>14</u>	RIR= <u>3.60</u>
<u>Three-Year Average =</u>		
<u>2.89</u>		

Company Name: **Flatiron West, Inc.**

---

Contact Name: **Steven A. Francis** Telephone: **707-742-6000**

---

Do not write in this space

Qualified [ ]      Not Qualified [ ]      RIR Information Verified [ ]

### Lost Time Incident Rate

The following information will be used to determine if you meet the minimum safety requirements for this project. To qualify, you must not have a three-year average Lost Time Incident Rate less than or equal to the value specified.

Incident rate information is on your OSHA Log 300. Please calculate the LTIR for the last three complete years as follows.

Total number of lost-time incidents X

Lost-time Incidents		Total Employee Hours Worked	
Year	Number	Year	Hours
20 <u>16</u>	<u>8</u>	20 <u>16</u>	<u>1,589,379</u>
20 <u>15</u>	<u>5</u>	20 <u>15</u>	<u>1,982,582</u>
20 <u>14</u>	<u>6</u>	20 <u>14</u>	<u>2,054,025</u>

Enter your Lost Time Incident Rate for each of the last three complete years.

20 16 LTIR= 1.00

20 15 LTIR= 0.50

20 14 LTIR= 0.58

Three-Year Average =  
0.69

Company Name:  
**Flatiron West, Inc.**

Contact Name: Steven A. Francis Telephone: **707-742-6000**

Do not write in this space

Qualified [ ]

Not Qualified [ ]

LTIR Information Verified [ ]

AD3 Addendum No. 3

CERTIFICATION OF BIDDER'S  
EXPERIENCE AND QUALIFICATIONS

pw://Carollo/Documents/Client/CA/Sunnyvale/9265A10/Specifications/Package 02/Package 02 Front End/00460 (AD3)

00460-16

# Tab 14

Bidder's Experience - Water Projects

Water Projects Submitted at Time of Bid (Project Information Attachment)								
Project Name	Owner	Location	Contract Price	Construction Time	Date of Substantial Completion	Contract Acceptance*	Owner Representative Contact Information	Description of Project
Leo J Vander LansWater Treatment Facility Expansion project	Water Replenishment District of Southern California	Long Beach, CA	\$32,748,000	550 Calendar Days	Nov-14	Nov-14	Paul Fu 4040 Paramount Blvd. Lakewood, CA 90712 Tel 562-275-4251	The Leo J. Vander Lans Advanced Water Treatment Facility in Long Beach, Calif., received the effluent from the Long Beach Water Reclamation Plant, after a first round of treatment. At this plant, water is further treated through advanced microfiltration and reverse osmosis, resulting in a near-distilled quality. The plant currently produces 3 million gallons of treated water per day. Flatiron expanded the facility, to 8 million gallons per day and reduced the area's dependence on imported water. Work included construction and installation of new water treatment systems, including microfiltration, reverse osmosis, ultraviolet disinfection with advance oxidation, dissolved air flotation, chemical systems, piping, pump stations, site work, structural, electrical, instrumentation and all associated work. The expansion improves the plant's efficiency and reduces operations and maintenance costs.
Santaquin Water Reclamation Facility	Santaquin Water Reclamation District	Santaquin, Utah	\$14,951,220	490 Calendar Days	Nov-13	Nov-13	Benjamin Reeves 275 West Main Street Santaquin, UT 84655 Tel 801-754-3211	The Santaquin Water Reclamation Facility in Santaquin, Utah, represents the culmination of over six years of community planning and public outreach. This revolutionary facility is the first of its kind in Utah that will store and reuse 100 percent of its treated water for a residential secondary irrigation system, with no discharge to nearby lakes. The use of reclaimed water for irrigation purposes allows the city to conserve higher quality groundwater for drinking, while establishing a model for sustainable water resource development in Utah and the Intermountain West. The facility is capable of processing over one million gallons of water per day. The process begins in the headworks building, where wastewater is screened to remove coarse materials like trash or large grit. Next, wastewater is distributed into biological basins, a process where specific bacteria is grown to degrade contaminants. Following biological treatment, the effluent is separated from this bacteria using membrane filtration. The filtered water then flows to the UV disinfection system for further treatment, where disinfection occurs through the inactivation of waterborne pathogens. The final stage is the reclaimed water pump station, where disinfected effluent is pumped to existing large storage reservoirs near the lagoon site. From here, the Type I reclaimed water is pumped into the City's pressure irrigation system. The headworks building is fully odor controlled, with contaminated air exhausted to an adjacent biofilter for treatment. The biological basins and membrane filtration capacities were constructed with special features to allow for easy expansion as the City grows, including a third treatment train temporarily used for sludge storage and empty tanks with room for added membrane filtration modules. In the unlikely event that the reclaimed water does not meet Type I water quality criteria, a valve located between the UV disinfection system and the reclaimed water pump station automatically closes and diverts flow to an on-site temporary storage pond. Flatiron also oversaw the construction of 7,200 feet of new trunk line, as well as numerous tie-ins.
Southwest Groundwater Treatment Plant	Jordan Valley Water Conservancy District	West Jordan, Utah	\$23,665,433	730 Calendar Days	Nov-11	May-12	David McLean 8215 South 1300 West West Jordan, UT 84088 Tel 801-565-4300	Flatiron constructed a new groundwater treatment plant in West Jordan, Utah, a suburb of Salt Lake City, next to the Jordan River. The state-of-the art water treatment facility will remove contamination from a local aquifer and produce 8,235 acre-feet per year of treated water using reverse osmosis, a thorough method of water purification that reduces the levels of total dissolved solids and chemical impurities by using pressure to force water through a semi-permeable membrane. The municipal plant will consist of a 38,000 square-foot process building, three reverse osmosis trains and one bypass train utilizing ultraviolet light disinfection technology. The construction of separate treatment trains is necessary to incorporate deep and shallow groundwater wells, supply wells, pipelines, a byproduct disposal system and associated facilities. Flatiron is also installing a new 1,400-foot-long pipe system to bring contaminated water to the plant and return purified water back to the local clean water system. The plant's by-product, a heavy-brine waste stream, will be piped to a 22-mile line to the Great Salt Lake. When the reverse osmosis treatment plant is complete, the Jordan Valley Water Conservancy District anticipates future expansion to increase the plant's capabilities from 7 million gallons per day to 14 million gallons per day.



Bidder's Experience - Water Projects

Project Name	Owner	Location	Contract Price	Construction Time	Date of Substantial Completion	Contract Acceptance*	Owner Representative Contact Information	Description of Project
Lenihan Dam Outlet Modifications	Santa Clara Valley Water District	Los Gatos, CA	\$39,000,000	750 Calendar Days	Sep-09	May-10	Capital Program Unit Manager Beth Redmond 5750 Almaden Expressway San Jose, CA 95118 Tel 408-630-2682	At the foot of the Santa Cruz Mountains, Flatiron replaced the deteriorating outlet structure for the 50-year-old Lenihan Dam - a 1,000-foot-long earthen barrier holding water stored at the Lexington Reservoir in Los Gatos, Calif. The project was a seismic upgrade for the existing outfall pipe, a 50-inch steel pipe that was restricted to a maximum outlet of 70 percent capacity. Alternatively, the new 54-inch pipeline allows maximum outflow of the reservoir in the event the reservoir needs to be lowered to prevent the failure of the dam during an earthquake. Flatiron constructed a new 2,000-foot-long outlet structure that is approximately 14 feet wide by 13 feet tall through Saint Joseph Hill. The tunnel begins near the existing outfall pipe, terminates on the reservoir side of the dam and connects to a new 15-foot-diameter intake facility by way of a 35-foot vertical shaft. Originally, the shaft required excavation and grout around its base, which was very time consuming and costly. Flatiron proposed an innovative water-tight pile secant wall for the shaft excavation that allowed us to build quickly, reduce cost and decrease environmental disturbances by keeping grout from entering the reservoir. The value engineering solution additionally improved water-tightness around the shaft. The new outfall building has three sets of valves to control the discharges into Los Gatos Creek. The new intake structure consists of 450 feet of 54-inch welded steel pipe, with four 42-inch intake gates and a new building to house the hydraulic control unit and various monitoring equipment. A road header was used to bore through soft material and explosives were used to fracture the harder rock. After excavating the material, Flatiron utilized an arched traveling form to pour 60-foot-long sections of the tunnel. Ventilation and low-flow pipes were then hung from the tunnel ceiling and a 5-foot welded steel outtake pipe was installed, held in place by permanent cast-in-place supports. During construction, Flatiron created a detour for the highly used Los Gatos trail to ensure safe public recreation. The project was completed nine days ahead of schedule and \$1.4 million under budget.
Rahway Valley Sewerage Authority: Contract 155  (Project # 2)	Rahway Valley Sewerage Authority	Rahway, NJ	\$138,965,112	1450 Calendar Days	Feb-09	Feb-09	Robert V. Valent 1050 East Hazelwood Avenue Rahway, NJ 07065 - Tel 732-388-0868	E.E. Cruz (a Flatiron subsidiary) expanded Rahway Valley Sewerage Authority Wastewater Treatment Plant's sewage capacity from 63MGD to 105 MGD and upgraded and replaced the plant's outdated systems. The temporary SOE systems on the project included the installation of sheet piling and soldier piles, steel wales and struts, and tiebacks. The construction consisted of major upgrades to the primary, secondary, and tertiary treatment facilities. Upgrades to these facilities consisted of the construction of a new headworks facility, construction of a new primary settling tank, upgrades to the aeration system, construction of new final settling tanks, construction of a new effluent sand filter facility, construction of a new UV disinfection chamber, construction of a new effluent pump station, and the construction of a new cascade aeration station. In addition, E.E. Cruz was also responsible for constructing a new rotary drum building. Within the new facilities a significant amount of misc metals work of which included the installation of new hand rails. All work was performed while maintaining plant operations.
Flushing Bay CSO: Contract 4-4G  (Project # 3)	New York City Department of Environmental Protection	Queens, NY	\$133,737,200	2450 Calendar Days	Nov-08	Nov-08	Mike Borsykowsky 59-17 Junction Blvd. Flushing, NY 11373 Tel 718-595-5921	E.E. Cruz (a Flatiron subsidiary) was responsible for the second phase of a two phase program to construct the Flushing Bay Combined Sewer Overflow Retention Facility. The project involved mass excavation of contaminated material, construction of a deep soil mix earth support system, dewatering, site utility work, pipe piles, and the installation of steel sheet piling, reinforced concrete, and structural steel. The project required extensive mechanical work which included the installation of nine tide gates, two belt conveyor systems, five three story mechanical bar screens, a storage cell flushing and cleaning system, chemical and air treatment systems, and interconnection piping. In addition, E.E. Cruz constructed a 40,000 square foot structural steel building with a brick façade, a 25,000 square foot recreational facility, and an 11,000 square foot maintenance facility for the NYC Department of Parks and Recreation.