

# Application Form

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## Profile

### Which Boards would you like to apply for?

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Treasury Oversight Committee: Submitted

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Seat Name (if applicable)

### Describe why you are interested in serving on this advisory board/commission (please limit your response to one paragraph).

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I am a professional Civil Engineer with two master's degrees, Public Administration and Civil Engineering, and am currently working as Port Associate Engineer for the Port of Oakland. I would greatly appreciate the chance to give back by utilizing my public budgeting and finance skills to review the County's investment policy and monitor the performance of County's investments. During FY18 at the Port of Oakland, I helped develop \$42 million capital improvement and \$8 million major maintenance budget for the Maritime Engineering Division. Currently, I responsible for managing and delivering various multi-million dollar public construction projects. During my graduate coursework for the Public Administration's degree, I took advance courses in public policy development and implementation. I would be thrilled to have the opportunity to serve on the Treasury Oversight Committee and put my in-depth knowledge of public finance to use. I am confident you will find me a good fit to review public investment policies and provide recommendations to the Board of Supervisors. I look forward to hearing from you and thank you for your time and consideration.

### This application is used for all boards and commissions

Parm

First Name

Sandhu

Last Name

Middle Initial

Email Address

Home Address

Suite or Apt

Danville

City

CA

State

94506

Postal Code

Primary Phone

Port of Oakland

Employer

Port Associate Engineer

Job Title

Civil Engineering

Occupation

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**Do you, or a business in which you have a financial interest, have a contract with Contra Costa Co.?**

Yes  No

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**Is a member of your family (or step-family) employed by Contra Costa Co.?**

Yes  No

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## Education History

**Select the highest level of education you have received:**

Other

Master's Degree

If "Other" was Selected Give Highest Grade or Educational Level Achieved

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## College/ University A

University of San Francisco

Name of College Attended

Master's in Public Administration

Course of Study / Major

140

Units Completed

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## Type of Units Completed

Semester

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**Degree Awarded?**

Yes  No

**MPA**

Degree Type

**April 2017**

Date Degree Awarded

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**College/ University B**

**San Jose State University**

Name of College Attended

**Master's of Science in Civil  
Engineering**

Course of Study / Major

**140**

Units Completed

**Type of Units Completed**

Semester

**Degree Awarded?**

Yes  No

**M.S. - Civil Engineering**

Degree Type

**Dec 2013**

Date Degree Awarded

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**College/ University C**

**San Jose State University**

Name of College Attended

**Bachelors in Civil Engineering**

Course of Study / Major

Units Completed

## Type of Units Completed

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Semester

## Degree Awarded?

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Yes  No

B.S. - Civil Engineering

Degree Type

May 2012

Date Degree Awarded

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## Other schools / training completed:

Course Studied

Hours Completed

## Certificate Awarded?

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Yes  No

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## Work History

Please provide information on your last three positions, including your current one if you are working.

### 1st (Most Recent)

06/2016 - Present

Dates (Month, Day, Year) From - To

40

Hours per Week Worked?

## Volunteer Work?

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Yes  No

## Port Associate Engineer

Position Title

### Employer's Name and Address

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Port of Oakland 530 Water Street Oakland, CA.

### Duties Performed

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Manage design projects and consultant contracts. Supervise extended Port staff. Develop design and construction contract documents. Conduct construction plan review for new/re-development projects. Co-develop the Port's standards and processes. Develop scope for capital improvement projects. Perform cost estimation and life cycle cost analysis for both, the expense and capital improvement projects. Provide engineering support and act as consultant to revenue divisions during planning and lease negotiations

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## 2nd

10/2014 - 6/2016

Dates (Month, Day, Year) From - To

40

Hours per Week Worked?

### Volunteer Work?

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Yes  No

## Port Assistant Engineer

Position Title

### Employer's Name and Address

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Port of Oakland 530 Water Street Oakland, CA.

### Duties Performed

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Produced design plans and specifications for civil engineering projects. Supervised engineering summer interns and trained new associate engineers. Managed project budget and schedule. Performed engineer's estimates for civil works projects. Conducted field inspections to guide design and to support construction. Evaluated site conditions for the Port's facilities.

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## 3rd

07/2013 - 10/2014

Dates (Month, Day, Year) From - To

40

Hours per Week Worked?

## Volunteer Work?

Yes  No

Transportation Engineer

Position Title

## Employer's Name and Address

Fehr and Peers 100 Pringle Ave Walnut Creek, CA.

## Duties Performed

Evaluated and analyzed traffic impacts for new and re-development projects, and recommended mitigations solutions. Designed multiple traffic and pedestrian signals. Designed Complete Street concepts to enhance the safety for all users, including pedestrians, bicyclists, motorists and transit users. Performed freeway and ramp capacity analysis to study traffic impacts.

[Parm Resume 2018 Public.pdf](#)

Upload a Resume

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## Final Questions

### How did you learn about this vacancy?

Contra Costa County Homepage

If "Other" was selected please explain

### . Do you have a Familial or Financial Relationship with a member of the Board of Supervisors?

Yes  No

**If Yes, please identify the nature of the relationship:**

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**Do you have any financial relationships with the County such as grants, contracts, or other economic relations?**

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Yes  No

**If Yes, please identify the nature of the relationship:**

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# Parm Sandhu

## SUMMARY

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As a registered Civil Engineer with two master's degrees, Public Administration and Civil Engineering, I utilize my knowledge, skills, and experience to help build safe and sustainable public infrastructure; while exploring new strategies to streamline internal organizational procedures and processes.

## EDUCATION

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UNIVERSITY OF SAN FRANCISCO 2014 – 2017  
Masters of Public Administration

SAN JOSE STATE UNIVERSITY 2012 – 2014  
Masters of Science - Civil Engineering/Transportation Engineering

SAN JOSE STATE UNIVERSITY 2009 – 2012  
Bachelors of Science - Civil Engineering

## WORK EXPERIENCE

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PORT ASSOCIATE ENGINEER, PORT OF OAKLAND, CA June '16 – Present

During FY18, I helped develop \$42 million capital improvement and \$8 million major maintenance budget for the Maritime Engineering Division. During this same year, I also assumed responsibility for managing and delivering various multi-million dollar construction projects. Currently, I manage major development projects, supervise extended Port staff, and am developing a workload plan for the engineering staff for the FY19 budget year.

- Manage design projects and consultant contracts.
- Supervise extended Port staff.
- Develop design and construction contract documents.
- Conduct construction plan review for new/re-development projects.
- Co-develop the Port's standards and processes.
- Develop scope for capital improvement projects.
- Perform cost estimation and life cycle cost analysis for both, the expense and capital improvement projects.
- Provide engineering support and act as consultant to revenue divisions during planning and lease negotiations

PORT ASSISTANT ENGINEER (LEAD ENGINEER), PORT OF OAKLAND, CA October '14 – June '16

During FY16, as a lead engineer in charge, I managed and delivered multiple major capital improvement projects including the Firewater infrastructure improvement project at Berth 33-34 and the port-wide LED replacement project.

- Produced design plans and specifications for civil engineering projects.
- Supervised engineering summer interns and trained new associate engineers.
- Managed project budget and schedule.
- Performed engineer's estimates for civil works projects.
- Conducted field inspections to guide design and to support construction.
- Evaluated site conditions for the Port's facilities.

TRANSPORTATION ENGINEER, FEHR AND PEERS, WALNUT CREEK. July '13 – October '14

As the appointed project design engineer, I assisted the City of Albany in designing and implementing a citywide Active Transportation Plan; and led several other hospital expansion projects in the City of Oakland to study traffic impacts.

- Evaluated and analyzed traffic impacts for new and re-development projects, and recommended mitigations solutions.
- Designed multiple traffic and pedestrian signals.
- Designed Complete Street concepts to enhance the safety for all users, including pedestrians, bicyclists, motorists and transit users.
- Performed freeway and ramp capacity analysis to study traffic impacts.

**ENGINEERING INTERN, CITY OF OAKLAND, CA.**

Sept. '11 – July '13

**I guided the City of Oakland in developing its citywide crosswalk policy protocol, and a project for the Highway Safety Improvement Program, Cycle 5; which was later funded by CALTRANS.**

- Evaluated, drafted and executed engineering related citizen requests.
- Designed traffic control measures for school zones.
- Utilized and implemented CA-MUTCD on a daily basis.
- Developed the City of Oakland's Pedestrian Safety Project-2012.
- Assisted the Transportation Engineer with managing civil improvement projects.

**ENGINEERING INTERN, CITY OF LIVERMORE, CA.**

July '10 – Sept. '11

**During my time at the City of Livermore, I conducted and processed critical speed surveys as required by California Vehicle Code for local municipalities to update speed limits on city streets.**

- Presented the 2010 Bay Area Regional Water Control Board Storm Water Permit update to the engineering staff.
- Corrected FEMA flood maps for the city of Livermore.
- Designed a traffic signal battery backup project (CIP).
- Assisted engineers in laying out a new angular parking throughout the downtown area.
- Processed collision reports for future accident studies.

## CERTIFICATION

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**PROFESSIONAL CIVIL ENGINEER (PE), CA.**

License # 86106

Exp. Date: 09/30/2018

## PROFESSIONAL ACTIVITIES

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**VICE PRESIDENT, WESTERN COUNCIL OF ENGINEERS (WCE) -PORT OF OAKLAND, CA** January '16 – Present

**Currently, I sit on a three-member WCE 2018 Contract Negotiations Committee; responsible for negotiating a multi-year labor union contract with the Port of Oakland.**

- Lead the contract negotiations committee with bargaining and union contract negotiations
- Facilitate feedback to the HR department for changes to administrative policies.
- Supported members in addressing personal and grievances issues.

**ACTIVE MEMBER OF FOLLOWING PROFESSIONAL SOCIETIES:**

- American Society of Civil Engineers
- American Public Works Association
- American Society of Public Administration