



Workforce Equity Program Specifications

The Prosper Portland Board of Commissioners has directed that all Contractors, Developers and Borrowers conducting work on behalf of Prosper Portland maximize apprenticeship and employment opportunities for women and people of color in the construction trades. The goal of the Workforce Equity Program (Program) is for the Contractor’s workforce to reflect the diversity of the workforce found in the City of Portland, and that Prosper Portland contracting dollars provide fair and equal opportunities to the jurisdictions’ diverse populations. Also, while not required, the Developer/Borrower is encouraged to submit a plan that addresses proposed methods of implementing the Business Equity Program on large construction projects.

This Program applies to Prosper Portland-Owned Construction Contracts greater than \$200,000, to the Prime Contractor on Prosper Portland-Sponsored projects with Hard Construction Costs of \$1,000,000 or more and to all subcontracts of \$100,000 or more, at any tier level, provided Prosper Portland is providing at least \$300,000 towards the project.

Requirements:

- 1) Projects subject to the Program shall:
 - a) Comply with the Workforce Training & Hiring Program to among other things, ensure that a minimum of twenty percent (20%) of labor hours in each apprenticeable trade performed by the contractor and subcontractors are worked by State of Oregon registered apprentices, as such requirements are further described therein; and
 - b) Work toward achieving the Workforce goals as outlined in the table below. The percentage of hours set forth, includes both apprenticeship hours and journey level hours. Using the table, the Contractor shall determine the applicable workforce diversity goal, for the project (i.e. if the project will be completed during Fiscal Year 2011/2012, the workforce diversity goals for the project are 9% Women and 27% People of Color). The fiscal year runs from July 1st through June 30th. A person of Color includes members of either sex who are African-Americans, Hispanic Americans, Asian or Pacific Islanders, Native Americans or Alaskan Native Americans.

Fiscal Year	08/ 09	09/10	10/ 11	11/12	12/ 13	13/14	14/ 15	15/16	16/ 17	17/18
Female	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%
People of Color	25.5%	26%	26.5%	27%	27.5%	28%	28.5%	29%	29.5%	30%

- c) Make all reasonable and necessary efforts to employ a workforce that reflects the diversity of the City of Portland, including recruitment of a diverse workforce through the unions, the apprenticeship programs and other community resources.
- 2) Contractors subject to the Program are encouraged to employ people with disabilities and veterans.
- 3) Contractors and subcontractors subject to the Program must be certified by the City of Portland as an Equal Opportunity Employer.

Workforce Training & Hiring Program Contractor Checklist

Contractor Checklist

The following Workforce Training & Hiring Program (WTHP) requirements are a summary of the key contractual obligations of contractors working on Prosper Portland owned construction projects or Prosper Portland sponsored projects. It is the Contractor's responsibility to read and fully understand this section of the bid specifications and to comply with all provisions of the program, regardless of whether they appear on this checklist. The City administers this program for the Prosper Portland.

CHECKLIST:

1. Prime Contractor:

- A. Submit Projected Hiring Needs form (Exhibit 2) to Compliance Agency within 15 calendar days after bid opening or prior to contract award, whichever occurs first.

- B. Ensure compliance by all subcontractors with subcontracts of \$100,000 or more, and provide them with a copy of the WTHP specifications.

2. Subcontractors, at all tiers, with contracts of \$100,000 or more:

Submit Projected Hiring Needs form (Exhibit 2) prior to beginning work on the project or within 5 days of signing subcontracts, whichever occurs first.

3. Prime Contractor and all subcontractors with contracts of \$100,000 or more must:

A. Before starting work on this project: Submit proof of registration as a Training Agent with the Bureau of Labor & Industry (BOLI), Apprenticeship & Training Division. Not a BOLI registered training agent? Contact BOLI at (971) 673-0760 or the City of Portland at (503) 823-6888 for information on how to become a BOLI registered training agent.

B. Throughout the duration of the project:

1. Ensure that a minimum of 20% of labor hours in each apprenticeable trade performed by the prime and subcontractors of \$100,000 or more are worked by State-registered apprentices.
2. Strive in good faith to meet the applicable workforce diversity goals of employing people of color and women (including both journey level and apprentice workers).
3. Make all reasonable and necessary efforts to employ a workforce that reflects the diversity of the City of Portland, including recruitment of diverse workforce through the unions, apprenticeship programs and other community resources, as described herein.
4. Maintain written documentation of all requests for workers from the unions, apprenticeship programs, and community organizations.
5. When an apprentice is hired, notify the City's Contract Compliance Specialist at (503) 823-6888.
6. Submit the Monthly Employment Record (Exhibit 4) by the 5th of each month to the City's Contract Compliance Specialist. This report can be submitted by either hard-copy by mail or via email, mer@portlandoregon.gov.

WORKFORCE TRAINING AND HIRING PROGRAM SPECIFICATION

I. PURPOSE

A. General Program Description

The Prosper Portland Board has directed that all Contractors, Developers and Borrowers conducting construction work on behalf of Prosper Portland maximize apprenticeship and employment opportunities for minorities and women workers in the construction trades. The goal is for the Contractor's workforce to reflect the diversity of the workforce found in the City of Portland, and that their contracting dollars provide fair and equal opportunities to the jurisdictions' diverse populations.

II. PROGRAM APPLICABILITY

The Workforce Training & Hiring Program (WTHP) is administered by the City of Portland, Bureau of Internal Business Services, Procurement Services Division (Compliance Agency). The WTHP applies to **Prosper Portland-Owned Construction Contracts greater than \$200,000, Prosper Portland-Sponsored Projects with hard construction costs of \$1,000,000 or more with \$300,000 or more in Prosper Portland resources and to each subcontractor having a subcontract of \$100,000 or more** on the project. Contractors and/or Developers shall make reasonable efforts to ensure that their workforce reflects the diversity of the City of Portland.

The Contractor shall thoroughly read this WTHP specification and commit to perform all requirements described herein. The Contractor shall submit Exhibit 2, Projected Hiring Needs at least fourteen (14) calendar days prior to starting work on the project. The Exhibit shall provide complete information. The Projected Hiring Needs must demonstrate how the workforce on this project will fulfill all program requirements, including utilization of apprentices and workforce diversity goals.

III. DEFINITIONS

For purposes of the WTHP, the following definitions shall apply:

Compliance Agency – City of Portland, Bureau of Internal Business Services, Procurement Division

Contract – The Contract awarded as a result of these bid specifications

Contractor – The Prime Contractor to whom a Contract is awarded and any subcontractors with subcontracts of \$100,000 or more

Hard Construction Costs – The cost to build improvements on a property, including all related construction labor and materials, including fixed and built-in equipment costs. Costs not directly related to the construction of an improvement, such as entity overhead, administration or taxes, shall not be considered a part of the Hard Construction Costs.

Owner – The government agency that awarded the Contract or leveraged public involvement in the project through a loan or development agreement

Project – Includes all work performed pursuant to the Contract

IV. ACTIONS NECESSARY TO SATISFY PROGRAM REQUIREMENTS

The Contractor and its subcontractors with subcontracts of \$100,000 or more, at any tier level, shall strive to achieve the applicable workforce diversity goal of employing women and people of color (including both journey level and apprentice workers) on the project.

To the extent allowed by law, Contractors and Subcontractors are encouraged to hire apprentices and journey level workers with consideration of gender and ethnicity.

A. Ensure Compliance by Subcontractors

1. The Contractor shall ensure that each subcontractor having a subcontract of \$100,000 or more, at all tiers, shall comply with all of the provisions of the WTHP specifications. Contractors shall include in their bid all costs associated with this requirement. No change order will be executed in order for the contractor to comply with this section.
2. The Contractor shall provide a copy of this WTHP specification to all subcontractors with contracts of \$100,000 or more executed for the project.

B. Register as a Training Agent

The Contractor shall register with the Oregon Bureau of Labor and Industries (BOLI) as a Training Agent and ensure that all subcontractors who have contracts in the amount of \$100,000 or more are registered as Training Agents. However, registration as a Training Agent in a specific trade is not required if there are no training opportunities in that trade on the project, based on the maximum ratio allowed by BOLI.

1. Only training programs approved by and registered with BOLI may be used to fulfill training requirements under the Workforce Specifications.
2. Training is intended to be primarily on-the-job training in apprenticeable crafts, and does not include classifications such as flag person, timekeeper, office engineer, estimator, bookkeeper, clerk/typist, fire fighter, or secretary. Hours performed in crafts which are not apprenticeable occupations are exempt from the training requirements.
3. Exemptions to the training requirements must be approved by the Compliance Agency in writing prior to starting work on the project. Written requests for exemptions related to the training requirements will be considered by the Compliance Agency during the course of the project, only for extreme circumstances, and must also be approved in writing. All requests to exempt all or any portion of the work on a project shall be submitted to the Compliance Agency (14) days before any work on the project begins. Requests for exemptions should be directed to the City Contract Compliance Specialist.

C. Submit Documentation

The contractor shall submit documentation regarding the following subjects to the Compliance Agency. The Compliance Agency's failure to object to documentation submitted by the Contractor or subcontractor shall not relieve them of the requirements of this section.

1. Training Agent Status

The Contractor and all required subcontractors must submit proof to the Compliance Agency that they are registered Training Agents with BOLI prior to beginning any work on the project. Failure to sign up as a Training Agent prior to beginning work may subject the contractor to liquidated damages.

2. Subcontractor Workforce Information

Exhibit 2, Projected Hiring Needs, must also be submitted for each subcontractor required to register as a Training Agent prior to beginning work on the project or within 5 calendar days after the execution of the applicable subcontract, whichever occurs first. Work by a subcontractor shall not begin prior to submission of such documentation. Failure to sign up as a Training Agent prior to beginning work may subject the contractor to liquidated damages.

3. Contractor and Subcontractor Reports After Work Begins.

The Monthly Employment Report (Exhibit 4) must be submitted by the prime Contractor and any subcontractor having a subcontract of \$100,000 or more to the Workforce Equity Program by the 5th day of each month. The Contractor shall follow the submittal instructions on the report form. All hours subject to prevailing wage rates on public projects, in addition to supervisors, foremen, and superintendents, shall be reported on Exhibit 4.

4. A copy of certified payroll reports may be requested by the Compliance Agency to verify information in the Report. The payroll reports shall be provided within 7 days of the date when the contractor receives the request for the payroll.

D. Use of Apprentices

The Contractor shall:

1. Ensure that a minimum of 20% of labor hours in each apprenticeable trade performed on the project by the prime contractor, and subcontractors with subcontracts of \$100,000 or more, are worked by state registered apprentices throughout the duration of the project. Contractors and subcontractors shall fulfill the 20% apprenticeship hours requirement without exceeding the apprentice ratios approved by the applicable apprenticeship program.
2. Pay all apprentices the wages required by any applicable collective bargaining contract or pursuant to state or federal law and regulations.
3. Not use workers previously employed at journey-level or those who have successfully completed a training course leading to journey-level status to satisfy the requirements of these provisions.
4. Notify the Compliance Agency when an apprentice is hired for this project.
5. Count apprentice hours as follows:

- (a) Hours worked on the project by apprentices enrolled in state-approved apprenticeship programs. If the Contractor is unable to fulfill its 20% requirement, then the Contractor may also use methods (b) and (c) below;
- (b) Hours worked on the project by apprentices who are required to be away from the job site for related training during the course of the project, but only if the apprentice is rehired by the same employer after completion of training; and
- (c) Hours worked on the project by graduates of state-registered apprenticeship programs, provided that such hours are worked within the 12-month period following the apprentice's completion date.

E. Use Apprenticeship Programs for Referrals

Contractors must follow all of these steps in seeking apprentice referrals:

1. Contact the appropriate apprenticeship program or dispatch center to request apprentices who are enrolled in the apprenticeship program; and
2. Request female or minority apprentices from the union or open shop apprenticeship program if such an action will help remedy historical underutilization in the Contractor's workforce; and
3. Keep a written record of the request for apprentices, including name of contact person at apprenticeship program, phone, fax, date, time, job location, start date, etc.; and
4. Make reasonable and necessary efforts to recruit apprentice applicants from community organizations/recruitment resources, and seek to enroll them into an apprenticeship program, if the apprenticeship program is unable to supply an apprentice and if the program is open for applications or allows direct entry from community resources.

NOTE: Contractors may contact the Contract Compliance Specialist for assistance regarding the apprentice referral process, or may utilize Exhibit 3, Request for Apprentice form, to document their efforts. A list of community organizations/recruitment resources is also available. Instructions are on the last page of this section of the specifications.

F. Utilize Unions and Community Organizations When Recruiting For Any Positions on this Project

When hiring, requesting, recruiting, or replacing workers for this project, the Contractor shall:

1. Make reasonable and necessary efforts to employ a diverse workforce. Such actions should include requests for minority and female applicants. Contractors are notified that direct hiring of employees (such as "walk-ons") without providing notification of that job opportunity, in accordance with paragraph G.2 below, may not constitute a reasonable effort.
2. Document its employment efforts. Documentation should be sufficient to establish the Contractor's efforts, and should include:
 - a) Requests to union halls for signatory contractors;
 - b) Requests to union or open shop apprenticeship programs;

c) Requests to community resources who assist contractors with recruitment and referral of workers.

Documentation will be requested by the Compliance Agency from Contractors that are not meeting the workforce diversity goals if it appears that the Contractor has not made reasonable and necessary efforts to acquire a diverse workforce. When requested, the Contractor shall provide that documentation to the Workforce Equity Program within 7 calendar days.

IV. CONSEQUENCES OF NONCOMPLIANCE WITH WORKFORCE REQUIREMENTS

The Owner's commitment to this program is reflected, in part, by the cost of administering the program. Failure to meet the requirements of this section of the specifications negates such funding and impairs the Owner's efforts to promote workforce diversity and to provide fair and equal opportunities to the public as a whole as a result of the expenditure of public funds. Therefore, the parties mutually agree that failure to meet the requirements of this section of the specifications, including but not limited to the submission of required documentation, constitutes a material breach of contract.

In the event of a breach of this section of the contract, the Compliance Agency may take any or all of the following actions:

A. Withholding Progress Payments

The Owner may withhold all or part of any progress payment or payments until the Contractor has remedied the breach of contract. In the event that progress payments are withheld, the contractor shall not be entitled to interest on said payments.

If a subcontractor(s) is responsible for noncompliance with the WTHP requirements, the Compliance Agency may choose to withhold only their portion of the progress payment.

B. Retain sums as damages for failure to comply with Workforce Equity Program Specifications

The parties mutually agree that it would be difficult, if not impossible, to assess the actual damage incurred by the Compliance Agency for the Contractor's failure to comply with the Workforce Specifications. The parties further agree that it is difficult, if not impossible, to determine the cost to the Compliance Agency when workforce opportunities are not provided.

Therefore, if the Contractor fails to comply with the workforce provisions of this contract, the Contractor agrees to pay the sum of \$250 per day for each day of missed apprenticeship hours or until the breach of contract is remedied. Damages may be assessed for failure to meet the 20% apprenticeship training requirements by the prime and each required subcontractor in each trade employed. Damages will be calculated based on the training hours not provided to the Compliance Agency at a rate of \$250 per day. For example, if the Contractor was required to provide 200 hours of carpenter training (20% of 1,000 total carpenter hours), and the Contractor only provided 150 training hours, then the difference (50 hours) is divided by 8 (one day of work) to determine number of days of undelivered training. ($50/8 = 6.25 \times \$250 = \$1,562.5$).

Damages may also be assessed for failure to fulfill the inclusive hiring process described in Section III, subsections F.

These damages are independent of any liquidated damages that may be assessed due to any delay in the project caused by the Contractor's failure to comply with the Workforce Training & Hiring Program provisions of the contract.

C. Notification of Possible Debarment

By executing this contract, the contractor agrees that it has been notified that failure to comply with the requirements of this portion of the contract may lead to the Contractor's disqualification from bidding on and receiving other Compliance Agency contracts for a minimum of two years and a maximum of three years based on the violation.

E. Other Remedies

The remedies that are noted above do not limit any other remedies available to the Compliance Agency in the event that the Contractor fails to meet the requirements of the Workforce Specifications.

V. REVIEW OF RECORDS

In the event that the Compliance Agency reasonably believes that a violation of the requirements of this section has occurred, the Compliance Agency is entitled to review the books and records of the Contractor and any subcontractors employed on the project to whom the requirements of this section are applicable to determine whether such a violation has or has not occurred.

In the event that the Contractor or any subcontractor fails to provide the books and records for inspection and copying when requested, such failure shall constitute a material breach of this contract and permit the imposition of any of the remedies noted in Section IV above, including the withholding of all or part of any progress payment.

VI. APPRENTICESHIP RATIO DATA

The BOLI ratios of apprentices to journey level workers on the jobsite shall apply. For information regarding the ratios for the various trades, view the BOLI website link below. The information can be found under the Active Approved Standards tab on for each trade and is usually under section VI, "Ratio of Apprentice to Journey Level Workers." The ratios that apply are those listed in the standards of the apprenticeship committee to which the Training Agent (Contractor) is a member. If the applicable trade is not listed, contact the Bureau of Labor and Industries at (971) 673-0760 or your apprenticeship committee

http://www.oregon.gov/BOLI/ATD/A_AG_Standards_8000-8999.shtml

ATTACHMENTS:

Exhibit 1: Recommended Recruitment & Retention Practices

Exhibit 2: Projected Hiring Needs

Exhibit 3: Request For Apprentice form

Exhibit 4: Sample Monthly Employment/will be sent electronically

Exhibit 5: Ratios

Questions Regarding Apprenticeship:

Bureau of Labor & Industries

Apprenticeship & Training Division

800 N.E. Oregon St. # 32

Portland, OR 97232

(971) 673-0760

Questions Regarding Prosper Portland**Workforce Equity Program or Workforce Training & Hiring Program:**

Ay Saechao

Program Manager

City of Portland/Outside Services, Purchasing

1120 S.W. Fifth Ave., Room 750

Portland, OR 97204

(503) 823-1090

Ay.Saechao@portlandoregon.gov

Wendy Wilcox

Prosper Portland

222 NW Fifth Avenue

Portland, OR 97209-3859

(503) 823-3236

wilcoxw@prosperportland.us

**RECOMMENDED GOOD FAITH RECRUITMENT &
RETENTION PRACTICES****A. Recruitment Efforts**

Good faith recruitment efforts are those intense, aggressive, sincere, and result-oriented actions taken by the Contractor designed to accomplish the objectives of the Prosper Portland Workforce Equity Program including the Workforce Training & Hiring Program, and Equal Employment Opportunity Programs. These efforts may assist the Contractor in achieving an "A" level EEO certification and may assist the Contractor in reaching the workforce diversity goals. Good faith recruitment efforts include, but are not limited to:

1. Work aggressively with Contractor's Joint Apprenticeship Training Committee (JATC) to recruit minorities, women and disadvantaged individuals. Provide evidence of these efforts.
2. Assist the JATC by conducting a workshop with minority and women employees to enlist their assistance as recruiters and request their ideas on how to increase employment of underutilized groups.
3. Support the efforts of the Contractor's JATC by giving all apprentices referred to the Contractor a fair chance to perform successfully, allowing for possible lack of previous experience. Recognize that the Contractor is responsible for providing on-the-job training, and that all apprentices should not be expected to have previous experience.
4. Participate in job fairs, school-to-work, and community events to recruit minorities, women, and disadvantaged individuals into the construction trades.
5. Allow scheduled job site visits by participants in community programs, as safety allows, to increase awareness of job and training opportunities in the construction trades.
6. Keep applications of those not selected for an opening. Contact when opening occurs.

B. Retention Efforts

The Contractor shall endeavor to retain minorities, women, and disadvantaged individuals by implementing steps such as the following:

1. Maintain a harassment-free work place.
2. Ensure that employees are knowledgeable about the company's policies if they need to report a harassment problem.
3. Make reasonable attempts to keep apprentices working and train them in all work processes described in the apprenticeship standards.
4. Review and disseminate, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions.
5. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
6. Take steps to reduce feelings of isolation among minorities and women to curb hostile attitudes and behavior (e.g., have several minorities and women at the job site, provide access to support group system).
7. Provide adequate toilet facilities for women on the job site.

8. Match minority, female, or disadvantaged apprentices who may need support to complete their apprenticeship programs with a journey-level mentor.

EXHIBIT 2

PROJECTED HIRING NEEDS

This form must be completed by the prime and each subcontractor with a subcontract of \$100,000 or more. Please state how you plan to perform the work on this project, indicating the number of journey workers and apprentices by trade. This workforce plan must demonstrate how your company will fulfill all Workforce Training & Hiring & Workforce Equity Program requirements, including utilization of apprentices. Refer to Exhibit 5 for apprenticeship ratio data. **Complete all columns, with project-specific information.**

BID# _____ CONTRACT AMOUNT \$ _____ PROJECT NAME: _____

COMPANY NAME _____

Federal ID # _____ Prime Contractor Subcontractor

List all Trades to be used on this Project	Total # of Journey Workers	Total # of Apprentices	Total # of Female Workers	Total # of Minority Workers	# and Level of New Positions (i.e. 1A or 1J)	Anticipated Start Date	Estimated Total Hours (all workers in each trade)

Please list the apprentices who will work on this project. If you need more space, attach an additional sheet of paper. The Compliance Agency must approve all apprentices on the project.

Name of Apprentice	Trade	Race	Gender	Date of Hire	STAFF USE ONLY

If no current apprentices, indicate when and how they will be hired:

Person in your company who does hiring: _____

COMPANY: _____ CCB# _____ PHONE: _____ FAX: _____

E-mail address for submitting Monthly Employment Reports via e-mail: _____

Are you a registered Training Agent? Yes No Are you a Union Open Shop contractor?

With which JATCs are you registered to train apprentices? _____

Apprentice committee or union contact person who dispatches apprentices to your company:

Name: _____ Phone: _____ Fax: _____

Name: _____ Phone: _____ Fax: _____

PREPARED BY: _____ (sign and print) DATE: _____

Prime contractor must complete and submit to as designated to Compliance Agency:

**Workforce Training & Hiring Program
1120 S.W. Fifth Avenue #750, Portland, OR 97204
Phone (503) 823-6850 or FAX (503) 823-5539**

EXHIBIT 3

Request for Apprentice

The contractor may use this form to document efforts when recruiting apprentices.

FAX To: _____ / _____
(Apprenticeship Committee) (Contact/ Dispatcher)

Fax Number : _____ Number of Pages _____

Request From:

Company Name _____ / _____
(Registered Training Agent) (Contact Person)

Phone _____ Fax _____

Date: _____ Time: _____

Apprentice Request:

As a registered Training Agent, I am using this form to request referral of an apprentice for employment with my company in cooperation with the City Workforce Training & Hiring Program. I would like to continue to diversify my workforce. Therefore, please refer ethnic minorities and women for my consideration. If I am unable to receive a referral from my apprenticeship program within a reasonable time, and my apprenticeship program is open for applications or allows direct entry, I may use this form to request a referral to the apprenticeship program from community recruitment resources.

Apprentice referral is needed by this date: _____ Work Starts: _____

Job Site Location: _____ Expected Length of Employment: _____

Project _____ Compliance Agency (City of Portland) _____

Number of Apprentices: _____ Trade/Occupation: _____

Number of Apprentices: _____ Trade/Occupation: _____

Minimum qualifications (if different from apprenticeship standards): _____

Safety needs: ___ Hard hat ___ Gloves ___ Hard-toed boots Other? _____

Please fax this Request for Apprentice form to your apprenticeship committee.

To document your good faith efforts, copies may also be sent to:

City Workforce Training & Hiring
1120 SW 5th Ave. Rm 750
Portland, OR 97204
Phone: (503) 823-6850
FAX: (503) 823-5539

(a) *For Apprenticeship Program Only*

<p>Please check the appropriate box and fax to City Workforce Equity Program:</p> <p><input type="checkbox"/> I was able to dispatch an apprentice to the project listed above.</p> <p>Name of Apprentice _____ Race _____ Gender _____ Term _____</p> <p><input type="checkbox"/> I was unable to dispatch an apprentice to the project listed above because _____</p> <p>_____</p> <p>Fax this form with dispatch information to 823-5539. Thank you.</p>

EXHIBIT 4

MONTHLY EMPLOYMENT REPORT

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	FEDID	MONTHENDING	BIDNO	LASTNAME	FIRSTNAME	ZIP	SSN	JOBCLASS	LEVEL	RACE	GENDER	HOURS	PRIME?
2	123456789	8/31/2002	100758	DOE	JANE	97214	9874	1010	A	C	F	32	NO
3	123456789	8/31/2002	100758	DOE	JOHN	97204	7489	1018	J	C	M	154	NO
4													
5													
6													

EXHIBIT 5

Ratios

The following data may be used to determine the ratio of apprentices on a jobsite in proportion to journey-level workers on the jobsite. The ratios that apply are those listed in the standards of the apprenticeship committee to which the Training Agent (Contractor) is a member. If the applicable trade is not listed, contact the Bureau of Labor & Industries, or your apprenticeship committee.

*Ratios may change pursuant to actions taken by the Oregon State Apprenticeship & Training Council. For the purposes of this contract, the ratios approved by BOLI on the date the bid is advertised shall prevail.

Trade	1 st Apprentice	2 nd Apprentice	Max
Asbestos/Insulation Workers	1:1	1:4	
Brick/Marble/Terrazzo/Tile Finisher	1:1	1:3	
Bricklayer/Masonry	1:1	1:5	
Carpenter	1:1	1:1 (1:5 union)	1:1 for 1 st 3; Additional apprentices authorized at 1:5
Carpet Installers/Floorlayers	1:1	1:3	
Cement Masons	1:2	1:3	
Drywall Applicator (Ext/Int. Specialist)	1:3	1:5	
Drywall Finisher (Taper)	1:1	1:3	
Electricians			
Inside	1:1	1:2 (1:3 union)	
Outside	1:6	1:6	
Ltd. Energy/Ltd. Residential	1:1	1:2 (1:1 union)	
Construction Lineman	1:1	1:1	
Ltd. Maintenance	1:1	1:2	
Stationary Engineer	1:1	1:3	
Elevator Contractor	1:1	1:1	1:2 thereafter
Environmental Control (HVAC)	1:1	1:1	
Glazier	1:1	1:3	
Hod Carrier/Mason Tender	1:1	1:3 (1:5 union)	
Ironworker	1:1	1:6	
Laborer (Construction)	1:1	1:3 (1:5 union)	
Maintenance Mechanic	1:1	1:3	
Millwright	1:3 (1:5 union)	1:3 (1:5 union)	
Operating Engineer	1:1 (1:1-4 union)	1:1	
Painter	1:1	1:3	
Pile Driver	1:3	1:5	
Pipe Fitter/Steam Fitter	1:1	1:3	
Plasterer	1:1	1:3	
Plumber	1:1	1:1	1:3 thereafter
Roofer	1:1	1:1	
Sheet Metal Worker	1:1	1:1	1:3 thereafter
Sprinkler Fitter	1:1	1:1	
Structural Fabricator	1:1	1:3	
Terrazzo Worker	1:1	1:3	
Marble Setter	1:1	1:3	
Truck Driver (Heavy)	1:1	1:1	

