



2013

# Annual Apprenticeship Report



Cedar Hills Landfill Contract

**Department of Executive Services**  
Finance and Business Operations  
Division

Business Development and Contract  
Compliance Section

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## SUMMARY



*The King County Apprenticeship Program is essential to my economic development initiative to create jobs and restore our local economy.*

***Dow Constantine, King County Executive***

King County's Apprenticeship Program helps to train individuals for entry-level construction jobs. The program requires prime contractors to employ apprentices on select County-funded construction projects. The required percentage of the total labor hours that apprentices must perform varies with the type of project. Apprenticeship offers workers paid on-the-job learning, classroom instruction, and a pathway to acquiring advanced skills in the construction trades.

Having skilled workers is essential to the health of our economy. As an economic strategy for fostering family wage jobs, apprenticeship can equip workers for construction careers in a range of trades. In 2013, thirty-five public works projects were subject to the County's apprenticeship requirements. These projects represent a variety of construction services that include sewer and water line replacements, road maintenance, building improvements and renovations. To be competitive, contractors bidding on construction projects generally make cost estimate assumptions based on a certain number of hours or percentage of work assigned to entry-level workers who earn less than more experienced workers, thereby lowering labor costs. The results of these actions and efforts lead to the following highlights of King County's Apprenticeship Program in 2013:

- 46,542 apprentice labor hours
- 14.9% overall apprentice participation rate, exceeding the required rate by 2.4%
- 278 participating apprentices
- 27.8% participation by minority men; and
- 2.4% participation by women apprentices

The construction industry and its workforce make up a vital part of the local economy. While the construction industry has struggled in the wake of the recent recession, current economic and labor force projections indicate that the demand for workers with construction skills will rebound and increase. It is also increasingly evident that across the construction industry, processes and materials are "greening." At least some new "green" employment opportunities are available and the prediction is for more.

Investments in developing the skills of today's workers should occur alongside investments in constructing and maintaining our infrastructure and built environment. The aging of our construction workforce likely means additional job opportunities for workers entering this industry. As these workers age and retire, the industry will need new skilled construction trades workers to replace them. The demand for entry-level workers in construction will continue.

King County's Apprenticeship Program is committed to creating a skilled workforce that reflects the diversity of the County's population, connects people to construction careers, and helps construction contractors to find the diverse, skilled workforce needed to be successful.

## REPORT OVERVIEW

King County establishes apprenticeship requirements on selected public works projects with estimated construction valued at greater than \$1 million dollars. The total labor hours and opportunity for training are the determining factors in the establishment of apprenticeship requirements. Construction projects valued at less than \$1 million dollars may be subject to the apprenticeship requirements if the project is of sufficient duration and has a sufficient number of labor hours in a specific trade(s) to support the use of apprentices.

This report details the performance of the King County Apprenticeship Program in 2013 and provides statistics on the following:

- (a) The number and kinds of public works projects on which the County apprenticeship requirements were established;
- (b) The percentage of labor hours actually worked by apprentices on select County construction projects and the total number of labor hours on each project;
- (c) The number of apprentices categorized by trade and craft and the number and percentage of minorities, women, persons with disabilities and economically disadvantaged youth;
- (d) A description of problems encountered in implementing the apprenticeship requirements;
- (e) A description of barriers apprentices encounter and the steps taken to resolve them.

For this report, King County does not monitor certified payrolls for contractors; therefore, this report does not include information on the wages paid by category of work or trade.

The report contains the following five sections plus appendices:

### **Section 1: Types of Public Works Projects Subject to the Apprenticeship Requirements**

Section 1 provides information on the type of public works projects subject to the County's apprenticeship requirements during the report period. This section includes data on the number of labor hours worked by apprentices and the total number of labor hours for these projects.

### **Section 2: Number of Public Works Projects Subject to the Apprenticeship Requirements including Total Apprentice Labor Hours**

Section 2 evaluates the number of public works projects subject to the County's apprenticeship requirements during the report period. This section includes data on the number of labor hours worked by apprentices and the total number of labor hours for these projects.

### **Section 3: Apprenticeship Utilization and Participation by Populations**

Section 3 evaluates the number and percentage of minorities, women, persons with disabilities and economically disadvantaged youth utilized as apprentices; the number of apprentices by trade and craft category; and the degree of contractor compliance with established hiring goals.



**Section 4: Implementation Process and Challenges**

Section 4 includes information on the concerns encountered in the implementation of the County's Apprenticeship Program and actions undertaken to mitigate or resolve them.

**Section 5: Number of Apprentices during the Report Period**

Section 5 contains information on the number of registered apprentices employed on County construction projects that include apprenticeship requirements.

**Appendices**

The appendices include a glossary of terms, as well as charts and tables providing important statistical information on the performance of apprenticeship requirements during the reporting period.



# 2013 General Summary



Total Labor Hours on KC Projects	<b>312,080</b>
Actual Apprentice Hours Worked	<b>46,542</b>
Actual Apprentice Hours Percentage	<b>14.91%</b>
Apprentice Required Hours (2013)	<b>39,010</b>
<a href="#">[1]Number of Apprentices</a>	<b>278</b>

## Apprentice Population Summary

Population	Number	Hours	% Hours
Caucasian Men	182	32,500	69.83%
Caucasian Women	5	1,012	2.17%
<a href="#">[2]Disabled Persons</a>	0	0	Not in total
Disadvantaged Youth	0	0	Not in total
Minority Men	80	12,945	27.81%
Minority Women	3	85	0.18%
<b>Subtotal Minorities</b>	<b>83</b>	<b>13,030</b>	<b>28.00%</b>

## Apprentice Hours by Race

	Asian	Black	Hispanic	Native	Other
Minority Men	728	2,411	8,131	52	1,624
Minority Women	27	0	58	0	0
<b>Subtotal Minorities</b>	<b>755</b>	<b>2,411</b>	<b>8,188</b>	<b>52</b>	<b>1,624</b>
<b>% Apprentice Hours by Race:</b>	<b>1.62%</b>	<b>5.18%</b>	<b>17.59%</b>	<b>0.11%</b>	<b>3.49%</b>

Department Summary	Projects	\$ Amount	Labor Hrs	No. Apprentices	Apprentice Hrs	% Use
<b>Executive Services</b>						
Facilities Management Division	3	\$6,234,112	31,439	42	3,883	12.35%
<b>Subtotal</b>	<b>3</b>	<b>\$6,234,112</b>	<b>31,439</b>	<b>42</b>	<b>3,883</b>	<b>12.35%</b>
<b>Natural Resources &amp; Parks</b>						
Solid Waste Division	3	\$45,493,093	48,401	47	8,735	18.05%
Wastewater Treatment Division	16	\$387,881,721	124,772	78	20,341	16.30%
Water & Land Resources Division	1	\$7,279,230	15,416	11	2,163	14.03%
<b>Subtotal</b>	<b>20</b>	<b>\$440,654,044</b>	<b>188,588</b>	<b>136</b>	<b>31,239</b>	<b>16.56%</b>
<b>Transportation</b>						
King County International Airport	1	\$224,980	1,547	2	179	11.57%
Road Services Division	4	\$23,807,745	13,096	15	639	4.88%
Transit Division	7	\$33,993,424	77,410	83	10,602	13.70%
<b>Subtotal</b>	<b>12</b>	<b>\$58,026,149</b>	<b>92,052</b>	<b>100</b>	<b>11,420</b>	<b>12.41%</b>
<b>Departments</b>	<b>Total</b>	<b>\$504,914,305</b>	<b>312,080</b>	<b>278</b>	<b>46,542</b>	<b>14.91%</b>

[1] Total number of individual Apprentices on King County Contracts during reporting year

[2] The number and labor hours for Disabled Persons and Disadvantaged Youth are included in data reported for other populations.

## **Section 1: TYPES OF PUBLIC WORKS SUBJECT TO THE COUNTY'S APPRENTICESHIP REQUIREMENTS**

Construction projects that are subject to King County's apprenticeship requirements generally fall within the following categories:

- I. Buildings - New construction
- II. Buildings – Alterations
- III. Highways and Bridges
- IV. Heavy Civil Construction

### **I. Buildings – New Construction**

These construction projects typically employ 12 to 18 different trades with opportunities for the use of apprentices in most of them. An apprenticeship requirement of 15% is realistic and attainable on these projects.

### **II. Buildings – Alterations**

Building alteration projects typically employ 10 to 12 trades, and an apprenticeship requirement of 15% is realistic and attainable for these projects.

### **III. Highways and Bridges**

The majority of apprentice hours on highway and bridge projects, including roads, paving, and park and ride lots. These projects generally involve trades that include equipment operators and laborers. An apprenticeship requirement of 5% is realistic for these projects due to the specialized equipment used and reduced number of laborers (compared to new building construction or alterations as listed above). County bridgework generally has Federal Highway Administration (FHWA) funds. King County apprenticeship requirements do not apply to FHWA funded projects. The Washington State Department of Transportation (WSDOT) establishes training hours for FHWA projects. This report does not provide information on the number of trainees or labor hours worked by them on projects contained in this report.

Parks and play fields also employ equipment operators and laborers. For these projects, workers are under the category of "landscape construction" for which there is no apprenticeship program. It is not practical to establish apprenticeship requirements for these projects.

### **IV. Heavy Civil Construction**

Heavy civil construction includes pipelines, tunnels, pump stations, and treatment plants. Tunnel and pipeline projects employ equipment operators and laborers with minimal participation from other trades. A 12% goal is more realistic on pipeline projects. Pump stations typically employ 8 to 10 construction trades and are capable of achieving a 15% apprenticeship requirement.



**Section 2: PUBLIC WORKS SUBJECT TO THE APPRENTICESHIP REQUIREMENTS AND TOTAL APPRENTICE LABOR HOURS**

King County achieved an overall apprenticeship rate of 14.9% in 2013 for all public works projects subject to the apprenticeship requirements. These projects do not include work order contracts for construction services. Work order contracts that were subject to the apprenticeship requirements during the same period are included in this section but reported separately.

The table below compares 2013 to 2012 participation rates in labor hours and the number of apprentices employed on County public works projects.

<b>Apprentice Participation</b>	<b>2012</b>	<b>2013</b>	<b>% Change from 2012</b>
Number of Projects	<b>31</b>	<b>35</b>	<b>12.9%</b>
Total Labor Hours	<b>494,976</b>	<b>312,080</b>	<b>-36.9%</b>
Total Apprentice Labor Hours	<b>58,565</b>	<b>46,542</b>	<b>-20.5%</b>
Apprentice Participation Rate	<b>11.8%</b>	<b>14.9%</b>	<b>3.1%</b>
Required Apprenticeship Percentage	<b>11.5%</b>	<b>12.5%</b>	<b>1.0%</b>
Apprentices Employed on County Projects	<b>258</b>	<b>278</b>	<b>7.8%</b>

The number of King County construction projects subject to the apprenticeship requirement increased from 31 in 2012 to 35 in 2013. Of the 35 construction projects identified in this section, 17 projects (49%) are carry over projects from previous years and in the substantial completion phase. Substantial completion means that stage in the progress of the work where only minor incidental correction or repair remains to complete. The apprenticeship rate at this stage is typically lower than in earlier phases of the project because fewer labor hours are required. These projects have affected the total number of labor hours for projects included in this report that reveal a decrease from 494,976 to 312,080 total labor hours worked as compared to the prior program year. The decrease of 182,896 labor hours worked on these projects represents a decline of 37%.

On a positive note, even though 49% of the projects in 2013 were in the substantial completion phase, the number of apprentices working on County construction projects still increased from 258 in 2012 to 278 in 2013. This change represents an increase of 7.8% in the number of apprentices who participated in the program.

### Section 3: APPRENTICESHIP UTILIZATION AND PARTICIPATION BY POPULATIONS

The populations in King County's Apprenticeship Program consist of six groups:

1. Caucasian Men
2. Minority Men
3. Minority Women
4. Caucasian Women
5. Economically Disadvantaged Youth
6. Disabled persons

As noted previously in Section 2, the total number of labor hours worked on projects subject to apprenticeship requirements declined in 2013. Consequently, there is a corresponding decline in the total labor hours worked by apprentices in all population groups during the same period, as shown below in Table 1- Apprentice Numbers and Labor Hours Worked by Groups.

**Table 1- Apprentice Numbers and Labor Hours Worked by Groups**

Population	2012	2013	% Change	2012	2013	% Change
	No. Persons			Labor Hours		
<b>Caucasian Men</b>	157	182	15.3%	37,076	32,500	-12.3%
<b>Minority Men</b>	74	80	8.1%	17,509	12,945	-26.1%
<b>Minority Women</b>	1	3	200.0%	295	85	-71.2%
<b>Caucasian Women</b>	11	5	-54.0%	3,685	1,012	-72.5%
<b>Economically Disadvantaged Youth</b>	-	-	-	-	-	<sup>1</sup> Not in total
<b>Disabled Persons</b>	-	-	-	-	-	Not in total

Table-2 below contains data on the participation rate of members of each group and the percentage change from year 2012 and 2013.

**Table 2 - Apprentice Participation Rate by Groups**

Population	Population Rate		
	2012	2013	Change
<b>Caucasian Men</b>	63.3%	69.8%	6.5%
<b>Minority Men</b>	29.9%	27.8%	-2.1%
<b>Minority Women</b>	0.5%	0.2%	-0.3%
<b>Caucasian Women</b>	6.3%	2.2%	-4.1%
<b>Economically Disadvantaged Youth</b>	-	-	Not in total
<b>Disabled</b>	-	-	Not in total

<sup>1</sup> The number and labor hours for Disabled Persons and Disadvantaged Youth are included in data reported for other populations.



Since the Apprenticeship Program began in 1998, the participation rate for minority women has remained roughly between 1% and 3% of the total labor hours worked by all apprentices annually. Over the last five years, the participation rate for minority women has remained relatively low. In 2009, minority performed 5,229 labor hours as compared to 6,613 in 2010. In 2011, minority women performed 1,540 labor hours. In 2012, minority women accounted for 295 labor hours. In 2013, the number of labor hours worked by minority women declined substantially to 85. This change represents a decrease of approximately -71.1% in labor hours reported for minority women apprentices over the previous program year. Despite efforts to increase the number of women apprentices in the construction industry, their participation rate in the trades has not developed significantly over time. To address this concern, a comprehensive examination of the challenges and encountered by this population is needed. This examination should identify barriers and best practices to overcome them.

During 2013, contractors did not report labor hours for the participation of apprentices identified as economically disadvantaged youth. Contractors assess eligibility for members of these groups by talking directly to the apprentice to determine his or her qualification as a member of either group (economically disadvantaged youth or disabled persons). The criteria for eligibility include income level and number of persons in the family, among other factors. Contractors are reluctant to ask questions that probe into these sensitive areas in order to identify members of these two groups. Although the data is speculative, anecdotal evidence supports this assumption.

## **Section 4: IMPLEMENTATION PROCESS AND CHALLENGES**

### **I. Compliance with Apprentice Utilization Rates by Contractors**

The report appendix includes a profile for each construction project subject to apprenticeship requirements in 2013. The data finds that contractors made reasonable use of apprentices working on these King County-funded public works projects. In 2013, the required percentage rate for these public works projects is 12.5%. This percentage reflects the overall rate of apprenticeship participation required for all projects subject to these requirements during the report period. Prime contractors collectively achieved 14.9% apprenticeship participation in 2013, surpassing the 12.5% required rate by 2.4%. The overall percentage of contractors who met or exceeded the apprenticeship requirements established for their projects was 86%.

#### Apprenticeship Requirements

To participate in the Apprenticeship Program, prime contractors and their subcontractors are required to achieve an established apprenticeship requirement stated as a percent of the total labor hours for the project. The program contains provisions for contractors who encounter situations in which they are unable to procure enough apprentices to meet the established requirement.

The process to establish apprenticeship requirements permits flexibility in determining the level of use for apprentices based on the project size and scope. The process ensures that the set level of utilization is realistic and consistent with the scope of work, trades, and crafts involved in the project. Contractors and their subcontractors commit to the established apprenticeship requirements for projects; however, some do not meet these requirements.

Contractors with apprenticeship requirements on their projects submit Apprenticeship Utilization Plans (AUP) that identifies each trade and the corresponding number of apprentices projected to meet the apprenticeship requirement. King County only accepts a reasonable and achievable AUP after the prime contractor has identified all proposed subcontractors who have committed to using apprentices to achieve the established requirements.

In addition, King County implements the use of sanctions against contractors who fail to comply with the established apprenticeship requirements. Sanctions include the use of liquidated damages specified in the contract, and in extreme cases of violation, may include suspension or debarment.

#### Cycle of Construction Projects

The cycle of construction projects has an impact on the overall apprenticeship rate. Some of the larger public works projects active during the report period are multi-year projects awarded in earlier years. Other projects extend beyond the current report period, and some that awarded near the end of the report period may be in the beginning phase of construction. Prime contractors and their subcontractors may hire additional apprentices at later stages in the construction process.



## **II. Monthly Apprenticeship Utilization Reports**

Monthly Apprenticeship Utilization Reports are required from all prime contractors, for themselves and their subcontractors. These reports contain data that enables the County to determine the overall apprenticeship rate for each project subject to the apprenticeship requirements. Early communication between the County and its contractors enables timely intervention by County project management staff to assist contractors in their Best Efforts to meet the apprenticeship requirements established on their contracts.

King County distributes a monthly summary report that identifies the apprenticeship utilization rate for each project subject to these requirements. These monthly reports contain information on the required rate of apprenticeship for each County department and include notes regarding the status of report submittals, and the percentage of project completion. These reports help to support prime contractors in meeting their reporting responsibilities and County project managers in monitoring the contractor's compliance and attainment to meet the requirement.

King County continues to engage the participation of project management staff and others involved in the administration of its public works projects that include the apprenticeship requirements. Project staff provides input on the required level of apprentice use for projects that they administer. Selected projects are of size and scope to provide meaningful opportunities for the use of apprentices. Selected projects are typically valued at over \$1 million dollars and supported by a sufficient number of labor hours to achieve the apprenticeship requirements.

County Contract Compliance staff continues to participate in pre-bid and pre-construction meetings to discuss the apprenticeship requirements and provide information to contractors on the importance of submitting accurate and timely reports.

## **III. Challenges Encountered by Participating Apprentices**

King County Code 12.16.175 requires that the program Administrator provide a description of the barriers encountered by apprentices and the steps taken toward resolution of those problems. A means to capture and resolve potential issues encountered by apprentices to encourage their continued participation in the program is a continuing challenge for King County and other jurisdictions that administer apprenticeship programs.

King County is supportive of pre-apprenticeship training programs that support the pipeline of new apprentices by extending training opportunities through area high schools, community colleges and technical colleges and community organizations. King County also provides annual financial support to the Office of Port Jobs that supports the Apprenticeship Opportunities Project (AOP). The AOP helps low-income individuals in King County prepare for and apply to apprenticeship programs in construction work.

Future annual reports will focus additional attention on comparing participation rates for apprentices to recent population demographics within King County. Efforts will be made to utilize statistical updates from the 2013 report on Equity and Social Justice.

## Section 5: Number of Indentured Apprentices during the Report Period

The Washington State Department of Labor and Industries (L&I), through the Washington State Apprenticeship and Training Council (SAC) collects and tracks statistics on the number of newly indentured and graduated apprentices. The Washington State Department of Labor and Industries (L&I) provides data on the number of indentured (registered) apprentices into SAC approved apprenticeship programs and the number of apprentices receiving completion certificates to journey level status. The table below displays data for 2013 reported by L&I for Washington State as a whole to include the number of men and women who performed work on King County contracts.

The Washington State Department of Labor and Industries reports there were 11,041 active apprentices for the 12-month period ending December 31, 2013. Of this number, 1,153 are women and 2,581 are minorities. Table 3 below contains data reported by the Washington State Department of Labor and Industries for each quarter in 2013 on the number of registered and graduated apprentices.

**Table 3 – Registered and Graduated Apprentices**

12-month Period Ending December 31, 2013		
Data Reported by the Washington State Department of Labor and Industries		
Period	Registered Apprentices	Graduated Apprentices
Q1 <i>(Jan – Mar '13)</i>	496	259
Q2 <i>(Apr – Jun '13)</i>	828	324
Q3 <i>(Jul – Sep '13)</i>	890	300
Q4 <i>(Oct – Dec '13)</i>	635	250

The Washington State Department of Labor and Industries reports the building and construction trade occupations continue to drive numbers in terms of total completions or journey level credentials issued. There are also some notable, non-building trade occupations, in terms of total new apprentice registrations. For example, machinist apprentices (aircraft oriented) continue to show strong growth maintaining a spot among the top occupations for newly registered apprentices.

## APPENDIX A: GLOSSARY

### ACRONYMS

<b>AOP</b>	Apprenticeship Opportunities Project
<b>AUP</b>	Apprentice Utilization Plan
<b>AUR</b>	Apprentice Utilization Report
<b>CITC</b>	Construction Industry Training Council
<b>CSO</b>	Combined Sewer Overflow
<b>DNRP</b>	Department of Natural Resources and Parks
<b>DOT</b>	Department of Transportation
<b>EDY</b>	Economically Disadvantaged Youth
<b>FHWA</b>	Federal Highway Administration
<b>FMD</b>	Facilities Management Division
<b>MUR</b>	Monthly Utilization Report
<b>PWD</b>	Persons with Disabilities
<b>SAC</b>	Washington State Apprenticeship and Training Council

**DEFINITIONS**

**Administrator**

The Director of the Finance and Business Operations Division

**Apprentice**

A person who has signed a written Apprenticeship Agreement and enrolled in a training program approved by the Washington State Apprenticeship and Training Council to learn a skilled craft or trade.

**Apprentice Hiring Goal(s)**

The specific goals established by the County for persons with disabilities, economically disadvantaged youth, women and minorities to participate as apprentices on County public work contracts. The goals are a percent of the Apprentice Utilization Requirements for the Contract.

**Apprenticeship Program and Requirements**

The County's plan for administering King County Code 12.16.150-180 and setting forth compliance requirements for Apprentice Utilization on selected County public work contracts. All actions and efforts required by the contractor as defined by King County Code 12.16.150-180 and the contract language for specific King County contracts.

**Apprentice Utilization Requirements**

The overall percentage of labor hours established for the Contract for work by apprentices. The requirement is a percentage of the total labor hours for the Contract.

**Best Efforts**

The strongest possible efforts that Contractors can reasonably make to meet the Apprentice Utilization Requirements and the Apprentice Hiring Goals established for each public works contract selected for participation in the Apprenticeship Program.

**Economically Disadvantaged Youth**

Those persons (18-24 years old) whose annual family income does not exceed the income guidelines for the Federal Free and Reduced Lunch Program, and who have significant barriers to employment, as defined by the Federal Job Training Partnership Act (JTPA).

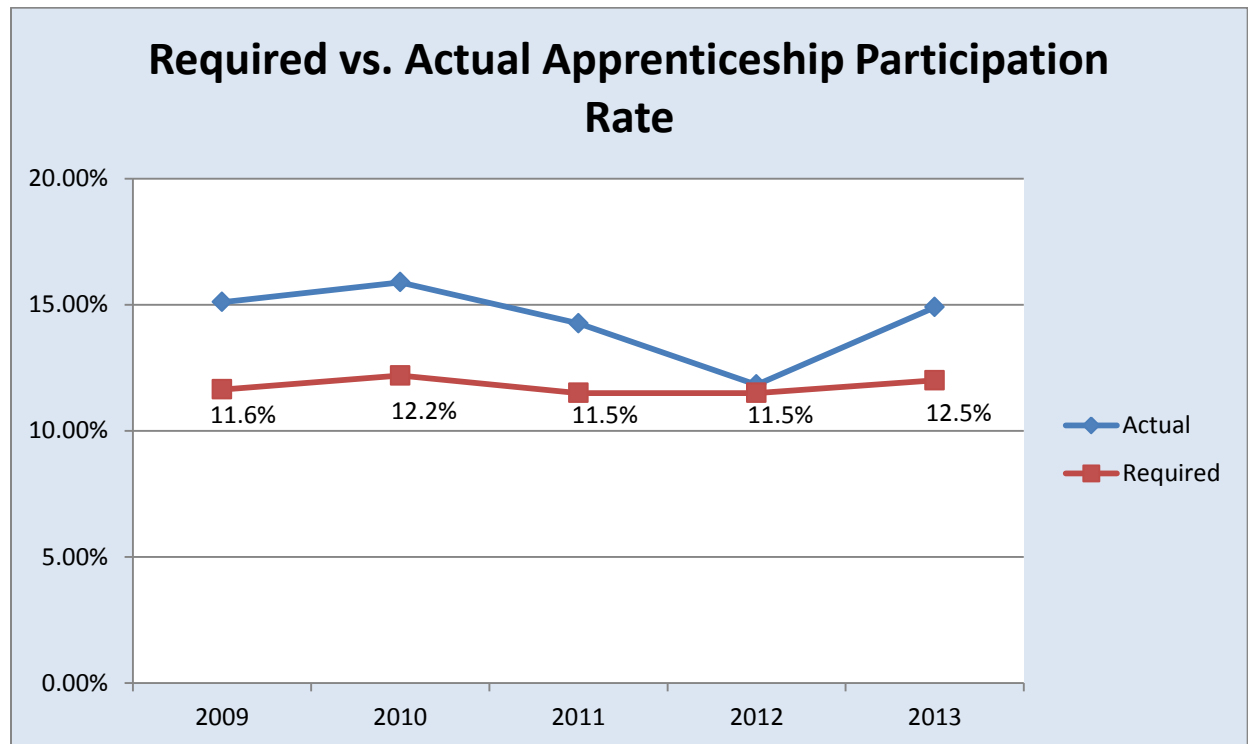
### Labor Hours

The total number of projected or actual hours for all trades or crafts worked by persons who receive an hourly wage and who are employed on a public works project site. This shall also include hours worked by persons employed by subcontractors on the project.

### Required Apprenticeship Rate – Exceeded for each of the Past 5 years

This percentage rate equals the required apprenticeship percentage then dividing by the number of contracts during the reporting period.

The chart below contains data for the five-year period between 2009 and 2013. This chart illustrates the difference between the actual apprenticeship level achieved by prime contractors on County construction projects that included apprenticeship requirements during this period, and the required apprenticeship rate achieved for these projects during the same period.



## **APPENDIX B: PROJECTS SUBJECT TO APPRENTICESHIP REQUIREMENTS IN 2013**

The following tables provide information on public works projects subject to the apprenticeship requirements during the report period. These tables include statistical data on the percentage of labor hours performed by apprentices and the total number of project labor hours worked for the period January 1, 2013 through December 31, 2013.

In addition, each table reports data on the cumulative apprenticeship rate for each project as of December 31, 2013.

# 1028637 – TOD Kirkland & Ride Lease Agreement

Department Name: Transportation  
 Division: Transit Division  
 Project Name: TOD Kirkland Park & Ride lease agreement  
 Contract Number: 1028637  
 Prime Contractor: Andersen Construction Company  
 Contract Award Amount: \$11,221,093  
 Execution Date: July 20, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 10.70%  
**Construction Completed:** 99.00%  
 \*\*\*Cumulative Apprenticeship Rate: 9.79%

Transit Oriented Design lease agreement

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Automotive Mechanic	91.50	91.50	0.00	0.00%	0	0.00	-	0.00	-
Brick and Block Finisher	65.50	0.00	65.50	100.00%	1	0.00	0.00%	65.50	100.00%
Brick Layer	85.50	0.00	85.50	100.00%	1	0.00	0.00%	85.50	100.00%
Bricklayer	906.00	906.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	11,638.00	10,020.00	1,618.00	13.90%	8	0.00	0.00%	806.00	49.81%
Cement Mason	5,831.50	5,009.00	822.50	14.10%	4	0.00	0.00%	317.00	38.54%
Diver	264.60	264.60	0.00	0.00%	0	0.00	-	0.00	-
Drywall Installer/taper	78.00	78.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	2,425.00	2,425.00	0.00	0.00%	0	0.00	-	0.00	-
Elevator Constructor	446.00	446.00	0.00	0.00%	0	0.00	-	0.00	-
Elevator Constructor Mechanic	23.50	0.00	23.50	100.00%	2	0.00	0.00%	0.00	0.00%
Equipment Operator	5,526.70	5,526.70	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	101.50	101.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	628.30	628.30	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	33.50	33.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	99.50	99.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	962.50	0.00	962.50	100.00%	8	0.00	0.00%	13.00	1.35%
Insulation (Heat and Frost) Worker	101.00	101.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Applicator	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation-Applicator	15.00	0.00	15.00	100.00%	2	0.00	0.00%	0.00	0.00%
Iron Worker	4,522.00	4,522.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	370.00	0.00	370.00	100.00%	7	0.00	0.00%	134.00	36.22%
Laborer	12,986.25	11,954.75	1,031.50	7.94%	7	0.00	0.00%	558.50	54.14%
Landscaper	1,179.00	1,179.00	0.00	0.00%	0	0.00	-	0.00	-
Maint Plumber/Steamfitter	230.50	0.00	230.50	100.00%	2	0.00	0.00%	0.00	0.00%
Operator	19.00	19.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	835.50	835.50	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	377.50	0.00	377.50	100.00%	2	0.00	0.00%	196.00	51.92%
Plumber	1,123.00	1,107.00	16.00	1.42%	1	0.00	0.00%	0.00	0.00%
Pointer/Cleaner/Caulker	34.00	0.00	34.00	100.00%	1	0.00	0.00%	0.00	0.00%
Roofer	85.50	77.50	8.00	9.36%	1	0.00	0.00%	8.00	100.00%
Sheet Metal Worker	218.00	128.50	89.50	41.06%	2	0.00	0.00%	0.00	0.00%
Sprinkler Fitter	752.00	592.00	160.00	21.28%	3	0.00	0.00%	72.00	45.00%
Surveyor	294.00	294.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	2,490.05	2,490.05	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	56.00	56.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic Control Painter	18.00	0.00	18.00	100.00%	1	0.00	0.00%	18.00	100.00%
Traffic control stripser	444.50	444.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	2.70	2.70	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	1.50	1.50	0.00	0.00%	0	0.00	-	0.00	-
TV Tech	1.50	1.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>55,382.60</b>	<b>49,455.10</b>	<b>5,927.50</b>	<b>10.70%</b>	<b>53</b>	<b>0.00</b>	<b>0.00%</b>	<b>2,273.50</b>	<b>38.36%</b>

**Notes:**

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00271C08 – Kirkland Pump Station Upgrade, Pump Station and Forcemain

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: KIRKLAND PUMP STATION UPGRADE, PUMP STATION AND FORCEMAIN  
 Contract Number: C00271C08  
 Prime Contractor: Stellar J Corporation  
 Contract Award Amount: \$7,912,693  
 Execution Date: July 26, 2011  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 22.26%  
**Construction Completed:** 94.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 17.77%

The Work of this Project is a comprehensive upgrade of the existing sanitary sewer pump station and installation of a new force main

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Asbestos Worker	49.50	49.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	6,663.50	4,747.00	1,916.50	28.76%	2	0.00	0.00%	1,916.50	100.00%
Cement Mason	27.00	27.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	2,047.00	0.00	2,047.00	100.00%	2	0.00	0.00%	0.00	0.00%
Drywall Finisher	4.50	0.00	4.50	100.00%	1	0.00	0.00%	4.50	100.00%
Drywall Installer/taper	52.00	52.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	3,451.30	3,451.30	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	2,199.00	2,199.00	0.00	0.00%	0	0.00	-	0.00	-
Glazier	52.50	52.50	0.00	0.00%	0	0.00	-	0.00	-
Gypsum Drywall Systems Installer	18.80	0.00	18.80	100.00%	2	0.00	0.00%	0.00	0.00%
HVAC (Sheet Metal) Worker	320.00	320.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation-Applicator	16.00	0.00	16.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	945.85	945.85	0.00	0.00%	0	0.00	-	0.00	-
Millwright	19.00	19.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	530.50	530.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	429.00	429.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	728.50	728.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	342.00	317.50	24.50	7.16%	1	0.00	0.00%	24.50	100.00%
Sheet Metal Worker	154.50	117.50	37.00	23.95%	2	0.00	0.00%	0.00	0.00%
Teamster/Truck driver	183.20	183.20	0.00	0.00%	0	0.00	-	0.00	-
Traffic control strip	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>18,261.65</b>	<b>14,197.35</b>	<b>4,064.30</b>	<b>22.26%</b>	<b>11</b>	<b>0.00</b>	<b>0.00%</b>	<b>1,945.50</b>	<b>47.87%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C00405C09 – Bow Lake Recycling and Transfer Station Site Facilities

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: BOW LAKE RECYCLING AND TRANSFER STATION SITE FACILITIES CONTRACT  
 Contract Number: C00405C09  
 Prime Contractor: Lydig Construction Inc  
 Contract Award Amount: \$42,655,617  
 Execution Date: September 7, 2010  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 18.82%  
**Construction Completed:** 99.50%  
 \*\*\*Cumulative Apprenticeship Rate: 15.28%

Phase 2 of the project ("the Site Facilities Contract") entails: site earthwork including preloading of portions of the site, excavation of refuse from a former landfill, construction of a 70,000 square foot transfer and waste processing building, installation of two owner-furnished pre-load waste compactors, employee support facilities, a scale house complex with four truck scales, a trailer parking yard, concrete and asphalt paving, a fueling facility, extensive site utilities and deconstruction of the existing buildings.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	5,477.50	4,632.00	845.50	15.44%	4	0.00	0.00%	20.00	2.37%
Cement Mason	1,220.00	1,178.00	42.00	3.44%	2	0.00	0.00%	0.00	0.00%
Concrete Boom Pumper	72.60	72.60	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,705.30	0.00	1,705.30	100.00%	6	0.00	0.00%	1,254.50	73.56%
Drywall Installer/taper	458.00	458.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	6,223.00	6,223.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	5,469.10	5,469.10	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	47.30	47.30	0.00	0.00%	0	0.00	-	0.00	-
Flagger	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Gypsum Drywall Systems Installer	19.50	0.00	19.50	100.00%	1	0.00	0.00%	0.00	0.00%
Heavy Duty Repair Mech	20.00	0.00	20.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	2,093.80	0.00	2,093.80	100.00%	11	257.00	12.27%	210.50	10.05%
Insulation (Heat and Frost) Worker	41.00	41.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	346.00	346.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	594.50	594.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	87.00	87.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	9,376.30	6,823.30	2,553.00	27.23%	10	0.00	0.00%	591.50	23.17%
Landscaper	1,049.50	1,049.50	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm Tech	52.00	0.00	52.00	100.00%	2	0.00	0.00%	0.00	0.00%
Millwright	19.30	19.30	0.00	0.00%	0	0.00	-	0.00	-
Operator	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	608.60	608.60	0.00	0.00%	0	0.00	-	0.00	-
Painter	64.00	64.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	31.00	0.00	31.00	100.00%	1	0.00	0.00%	0.00	0.00%
Pipe fitter	142.50	142.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	47.00	47.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	25.00	0.00	25.00	100.00%	2	0.00	0.00%	16.00	64.00%
Plumber	364.50	364.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	3,549.10	3,549.10	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>39,249.40</b>	<b>31,862.30</b>	<b>7,387.10</b>	<b>18.82%</b>	<b>40</b>	<b>257.00</b>	<b>3.48%</b>	<b>2,092.50</b>	<b>28.33%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00420C09 – Kent/Auburn Conveyance System Improvements – Kent East Hill Diversion and Stuck River Trunk

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Kent/Auburn Conveyance System Improvements - Kent East Hill Diversion and Stuck River Trunk  
 Contract Number: C00420C09  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$4,088,778  
 Execution Date: January 24, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 16.45%  
**Construction Completed:** 72.00%  
 \*\*\*Cumulative Apprenticeship Rate: 16.09%

Construction of approximately 1 mile of 20 and 27-inch diameter wastewater pipelines in two locations. The Stuck River Trunk is in Auburn, WA and connects to the M Street Trunk and runs west along 17th Street SE, crosses the BNSF right-of-way, and connects to the Lakeland Hills Interceptor. The Kent East Hill Diversion connects to a local sewer at the entrance to the Kent Phoenix Academy and discharges to the South 277th Street Interceptor. Both pipelines will be installed using open-trench and trenchless construction methods.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	408.50	0.00	408.50	100.00%	2	0.00	0.00%	0.00	0.00%
Equipment Operator	5,035.50	5,035.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	19.50	19.50	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	669.00	0.00	669.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	10,524.00	8,978.50	1,545.50	14.69%	5	0.00	0.00%	8.00	0.52%
Operator	1,090.00	1,090.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	203.50	203.50	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	95.00	95.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	147.00	147.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	610.25	131.75	478.50	78.41%	1	0.00	0.00%	0.00	0.00%
Truck Driver	48.00	48.00	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>18,856.25</b>	<b>15,754.75</b>	<b>3,101.50</b>	<b>16.45%</b>	<b>9</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.00</b>	<b>0.26%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00488C10 – Interbay Pump Station Upgrade

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: INTERBAY PUMP STATION UPGRADE  
 Contract Number: C00488C10  
 Prime Contractor: STELLAR J PUMP TECH, A JOINT VENTURE  
 Contract Award Amount: \$11,904,406  
 Execution Date: January 3, 2011  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 21.05%  
**Construction Completed:** 95.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 17.53%

Replace obsolete mechanical, electrical and controls equipment and increase the capacity of the pump station to 133 mgd upgrade the HVAC systems, make structural modifications to the existing pump station structure, build a generator building and provide standby power generation capacity to power the pumps, provide odor control at the pump station. The work also includes some miscellaneous service facility and site work. The pump station is located southwest of the intersection of West Garfield Street and 15th Avenue West, Seattle, Washington.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	4,042.00	2,985.00	1,057.00	26.15%	2	0.00	0.00%	1,057.00	100.00%
Electrician	1,149.50	1,149.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	136.00	136.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	329.50	329.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	583.00	0.00	583.00	100.00%	2	0.00	0.00%	308.50	52.92%
Laborer	2,182.00	2,182.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	38.50	38.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	4.30	4.30	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	17.00	17.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	178.50	119.00	59.50	33.33%	3	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	166.00	0.00	166.00	100.00%	3	0.00	0.00%	0.00	0.00%
Teamster/Truck driver	15.30	15.30	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	21.50	21.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>8,863.10</b>	<b>6,997.60</b>	<b>1,865.50</b>	<b>21.05%</b>	<b>10</b>	<b>0.00</b>	<b>0.00%</b>	<b>1,365.50</b>	<b>73.20%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00519C11 – East Section Control System Replacement South Plant Solids Stream

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: East Section Control System Replacement South Plant Solids Stream  
 Contract Number: C00519C11  
 Prime Contractor: Valley Electric Company  
 Contract Award Amount: \$2,150,000  
 Execution Date: January 6, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 0.00%  
**Construction Completed:** 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 22.74%

The project work is located at South Treatment Plant, Renton, Washington. The purpose of the work is to replace the existing DCS (Forney) and TI PLCs/Sixnet I/O with a County supplied Emerson Ovation Control system (SPCS) for ACC4 process areas and install County supplied UPS unit(s) in ACC4. Demolition work necessary to remove equipment, wire and cable in existing panels that shall be reused as indicated in the design document is to be performed as part of the control system replacement work.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	34.00	34.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	792.00	792.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>826.00</b>	<b>826.00</b>	<b>0.00</b>	<b>0.00%</b>	<b>0</b>	<b>0.00</b>	-	<b>0.00</b>	-

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00525C10 – NE Novelty Hill Rd Phase 1 (NE Union Hill Rd, 196<sup>th</sup> Ave NE, NE Novelty Hill Rd)

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: NE NOVELTY HILL RD - PHASE 1 (NE UNION HILL RD, 196TH AVE NE, NE NOVELTY HILL RD)  
 Contract Number: C00525C10  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$17,622,573  
 Execution Date: March 11, 2011  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2013** 3.89%  
**Construction Completed:** 95.00%  
 \*\*\*Cumulative Apprenticeship Rate: 8.18%

The project will improve N.E. Union Hill Rd from 192nd Place NE to approximately 500 feet east of 196th Ave NE, N.E. Novelty Hill Rd from approximately 1,000 feet west of N.E. 195th Ave N.E. and 700 feet east of 197th Place NE, and construction of 196th/195th Ave N.E. from N.E. Union Hill Rd. to NE Novelty Hill Road in northeast King County

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	220.00	220.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	96.00	96.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	245.00	0.00	245.00	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	2,339.50	2,339.50	0.00	0.00%	0	0.00	-	0.00	-
Irrigation Pump Installer	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	3,375.50	3,365.50	10.00	0.30%	1	0.00	0.00%	0.00	0.00%
Operator	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	97.50	97.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	95.50	95.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>6,549.00</b>	<b>6,294.00</b>	<b>255.00</b>	<b>3.89%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00534C10 – Brightwater Conveyance System, Brightwater Tunnel Section 3 Completion, BT-3 Completion

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Brightwater Conveyance System, Brightwater Tunnel Section 3 Completion, BT-3 Completion  
 Contract Number: C00534C10  
 Prime Contractor: JAY DEE / COLUCCIO JOINT VENTURE  
 Contract Award Amount: \$68,904,290  
 Execution Date: March 11, 2010  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 3.95%  
**Construction Completed:** 97.00%  
 \*\*\*Cumulative Apprenticeship Rate: 11.27%

Completion of Brightwater Tunnel Section 3

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Accounts Payable Clerk	665.00	665.00	0.00	0.00%	0	0.00	-	0.00	-
Asbestos Worker	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Boilermaker (Field Const/Repair)	857.50	857.50	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	110.50	110.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	914.00	914.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	90.00	90.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	337.50	337.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	5,700.50	5,513.50	187.00	3.28%	2	0.00	0.00%	119.00	63.64%
Operator	3,870.00	3,870.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	56.00	56.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	387.00	387.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	114.00	114.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	150.00	48.00	102.00	68.00%	1	0.00	0.00%	0.00	0.00%
Plumber	458.50	423.00	35.50	7.74%	1	0.00	0.00%	35.50	100.00%
Sheet Metal Worker	235.50	0.00	235.50	100.00%	2	0.00	0.00%	0.00	0.00%
Teamster/Truck driver	24.50	24.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	202.50	202.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>14,181.00</b>	<b>13,621.00</b>	<b>560.00</b>	<b>3.95%</b>	<b>6</b>	<b>0.00</b>	<b>0.00%</b>	<b>154.50</b>	<b>27.59%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00612C11 – Barton Pump Station Upgrade

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Barton Pump Station Upgrade  
 Contract Number: C00612C11  
 Prime Contractor: Prospect Construction Inc  
 Contract Award Amount: \$12,697,078  
 Execution Date: June 4, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 18.55%  
**Construction Completed:** 51.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 19.65%

Upgrade an existing pump station including replacement of existing pumps with larger units. The project will add a standby power generator and a significantly upgraded odor control system. A new underground structure adjacent to the pump station will be constructed to house the standby generator and odor control system. The pump station interior will be modified to improve safety and protect equipment. Electrical systems will be upgraded, including replacement of motor control centers, main control panels and variable speed drives. Enlargement of station structure to house force main valve modifications.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	8,783.00	6,754.50	2,028.50	23.10%	2	0.00	0.00%	0.00	0.00%
Cement Finishers	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	49.00	49.00	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	33.25	33.25	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	312.00	0.00	312.00	100.00%	1	0.00	0.00%	312.00	100.00%
Electrician	1,101.00	1,101.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,418.00	1,418.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	473.00	0.00	473.00	100.00%	3	0.00	0.00%	39.00	8.25%
Iron Worker	100.50	100.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	410.50	281.00	129.50	31.55%	4	0.00	0.00%	8.00	6.18%
Laborer	4,524.75	3,590.75	934.00	20.64%	2	0.00	0.00%	0.00	0.00%
Operator	3,267.00	3,267.00	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	31.00	31.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	236.00	236.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	58.00	58.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	60.75	60.75	0.00	0.00%	0	0.00	-	0.00	-
TV Operator	3.75	3.75	0.00	0.00%	0	0.00	-	0.00	-
TV Tech	3.75	3.75	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>20,899.25</b>	<b>17,022.25</b>	<b>3,877.00</b>	<b>18.55%</b>	<b>12</b>	<b>0.00</b>	<b>0.00%</b>	<b>359.00</b>	<b>9.26%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00631C11 – North Base Garage Ventilation System Replacement

Department Name: Transportation  
 Division: Transit Division  
 Project Name: North Base Garage Ventilation System Replacement  
 Contract Number: C00631C11  
 Prime Contractor: Design Air Ltd.  
 Contract Award Amount: \$1,791,589  
 Execution Date: March 1, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2013** 1.74%  
**Construction Completed:** 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 19.80%

Construction services for North Base Garage Ventilation System Replacement.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	91.50	91.50	0.00	0.00%	0	0.00	-	0.00	-
Communication Technician	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	59.00	59.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	62.50	62.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Other Trade	157.00	157.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	27.50	27.50	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>460.50</b>	<b>452.50</b>	<b>8.00</b>	<b>1.74%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C00634C11 – North Base Garage Roofing Systems Replacement

Department Name: Transportation  
 Division: Transit Division  
 Project Name: North Base Bus Garage Roofing Systems Replacement  
 Contract Number: C00634C11  
 Prime Contractor: Kassel & Associates Inc  
 Contract Award Amount: \$5,626,000  
 Execution Date: April 16, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 19.22%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 25.45%

Replace roof liner on Metro's North Base Garage roof playfield area. Work includes demolition of the existing 2-acre grass playfield and planter areas including existing drainage, irrigation, and waterproofing liner systems; installation of new waterproofing liner on the concrete roof; and reconstruction of the playfield and planter areas.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	2,200.00	1,266.00	934.00	42.45%	3	0.00	0.00%	0.00	0.00%
Cement Mason	416.50	416.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	355.00	355.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	65.00	0.00	65.00	100.00%	2	0.00	0.00%	65.00	100.00%
Irrigation Pump Installer	330.50	330.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,038.75	1,038.75	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	174.00	174.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	2,067.00	1,742.50	324.50	15.70%	5	0.00	0.00%	312.50	96.30%
Sheet Metal Worker	111.50	111.50	0.00	0.00%	0	0.00	-	0.00	-
Traffic control stripier	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Tree Trimmer	7.50	7.50	0.00	0.00%	0	0.00	-	0.00	-
Wiremen	42.00	42.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>6,885.75</b>	<b>5,562.25</b>	<b>1,323.50</b>	<b>19.22%</b>	<b>10</b>	<b>0.00</b>	<b>0.00%</b>	<b>377.50</b>	<b>28.52%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00635C11 – C, D, E Lines RapidRide Passenger Facilities Improvements Work Order

Department Name: Transportation  
 Division: Transit Division  
 Project Name: C, D & E Lines RapidRide Passenger Facilities Improvements Work Order  
 Contract Number: C00635C11  
 Prime Contractor: Gary Merlino Construction Co Inc  
 Contract Award Amount: \$3,500,000  
 Execution Date: November 15, 2011  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 17.25%  
**Construction Completed:** 92.00%  
 \*\*\*Cumulative Apprenticeship Rate: 18.68%

This contract involves the construction of approximately 110 bus zones to support King County Metro Transit's new RapidRide C, D and E Lines service between Downtown Seattle and West Seattle via the West Seattle Bridge (C Line) and Downtown Seattle and Ballard via 15th Avenue NW (D Line), and Downtown Seattle to Shoreline via Aurora Ave N (E Line) in Seattle, and Shoreline, Washington.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	354.50	273.50	81.00	22.85%	2	0.00	0.00%	78.50	96.91%
Electrician	470.00	470.00	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	209.00	0.00	209.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	67.00	0.00	67.00	100.00%	2	67.00	100.00%	0.00	0.00%
Laborer	774.50	744.50	30.00	3.87%	1	0.00	0.00%	0.00	0.00%
Operator	358.50	358.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	10.50	10.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>2,244.00</b>	<b>1,857.00</b>	<b>387.00</b>	<b>17.25%</b>	<b>6</b>	<b>67.00</b>	<b>17.31%</b>	<b>78.50</b>	<b>20.28%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00648C11 – Brightwater Conveyance System, North Kenmore and Ballinger Way Odor Control

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Brightwater Conveyance System North Kenmore and Ballinger Way Odor Control  
 Contract Number: C00648C11  
 Prime Contractor: Prospect Construction Inc  
 Contract Award Amount: \$1,791,846  
 Execution Date: May 13, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 8.06%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 14.16%

Construction of odor control facilities at the North Kenmore and Ballinger Way Portals for the Brightwater Conveyance System. Work includes installation of a passive carbon unit enclosed by masonry walls. The work at North Kenmore includes installation of a County furnished mobile odor control unit to be used during construction of the permanent facility which consists of two carbon units, a fan, generator and electrical room. The structure is surrounded by masonry walls.

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Brick and Block Finisher	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Brick Layer	407.00	407.00	0.00	0.00%	0	0.00	-	0.00	-
Bricklayer	105.50	105.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	656.00	656.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	173.00	173.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	755.50	755.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	36.50	36.50	0.00	0.00%	0	0.00	-	0.00	-
Glazier	29.00	29.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,667.00	1,599.00	68.00	4.08%	1	0.00	0.00%	0.00	0.00%
Landscaper	160.00	160.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	432.00	432.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	116.00	98.00	18.00	15.52%	1	18.00	100.00%	18.00	100.00%
Plumber	739.50	401.50	338.00	45.71%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	71.25	55.50	15.75	22.11%	1	0.00	0.00%	0.00	0.00%
Truck Driver	89.75	89.75	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>5,458.00</b>	<b>5,018.25</b>	<b>439.75</b>	<b>8.06%</b>	<b>4</b>	<b>18.00</b>	<b>4.09%</b>	<b>18.00</b>	<b>4.09%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00661C11- Roof and Energy Efficiency Improvements, Building J

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: Roof and Energy Efficiency Improvements - Building J  
 Contract Number: C00661C11  
 Prime Contractor: Design Air Ltd.  
 Contract Award Amount: \$1,846,800  
 Execution Date: May 1, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2013** 10.28%  
**Construction Completed:** 99.00%  
 \*\*\*Cumulative Apprenticeship Rate: 20.56%

Roof replacement and energy efficiency improvements to the existing 15,403 square foot building "J" at the Renton CORF. Improvements include roof system and HVAC replacement, window and siding replacement, adding building insulation, skylights, solar panels and a solar wall.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	44.50	44.50	0.00	0.00%	0	0.00	-	0.00	-
Commercial Glazier	13.50	0.00	13.50	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	28.00	28.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	58.00	58.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	96.00	96.00	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Pipefitters	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	26.00	6.50	19.50	75.00%	2	0.00	0.00%	0.00	0.00%
Telecommunications Technician	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>321.00</b>	<b>288.00</b>	<b>33.00</b>	<b>10.28%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00684C11 – Renton Ave S Pedestrian Improvements

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: Renton Avenue S. Pedestrian Improvements  
 Contract Number: C00684C11  
 Prime Contractor: Award Construction Inc  
 Contract Award Amount: \$418,924  
 Execution Date: February 6, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2013** 8.05%  
**Construction Completed:** 97.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 8.05%

excavating and removing existing features (some vegetation, soil, traffic curb, asphalt), and constructing new cement concrete curb, gutter and sidewalk, landscaping, and other work

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	1,444.00	1,264.00	180.00	12.47%	3	0.00	0.00%	21.50	11.94%
Constr Equip Operator	63.50	0.00	63.50	100.00%	1	0.00	0.00%	63.50	100.00%
Electrician Constructor	110.00	110.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	92.50	92.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	663.00	656.50	6.50	0.98%	1	0.00	0.00%	6.50	100.00%
Landscaper	71.00	71.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	653.00	653.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Teamster/Truck driver	14.00	14.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic control striper	8.25	8.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	69.50	69.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,203.75</b>	<b>2,945.75</b>	<b>258.00</b> *	<b>8.05%</b>	<b>6</b>	<b>0.00</b>	<b>0.00%</b>	<b>91.50</b>	<b>35.47%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00698C12 – Brightwater IPS Conversion Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Brightwater IPS Conversion Project  
 Contract Number: C00698C12  
 Prime Contractor: Harbor Pacific Contractors Inc  
 Contract Award Amount: \$3,000,000  
 Execution Date: June 5, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 13.30%  
**Construction Completed:** 92.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 21.27%

The Work of this Contract consists of conversion activities for the newly constructed Brightwater Inflow Pump Station (IPS) from an interim operational mode to the final operational mode. The work also includes a variety of updates and modifications to various pump station systems.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	347.00	201.00	146.00	42.07%	1	0.00	0.00%	0.00	0.00%
Electrician	270.00	270.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	526.00	526.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	36.00	36.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	263.00	263.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	68.50	0.00	68.50	100.00%	1	0.00	0.00%	0.00	0.00%
Pipefitter	45.00	45.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	51.00	51.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Service Tech	6.25	6.25	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,612.75</b>	<b>1,398.25</b>	<b>214.50</b>	<b>13.30%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00701C11 – Solid Waste Division Building Repair and Renovation Work Order

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: Solid Waste Division Building Repair and Renovation Work Order  
 Contract Number: C00701C11  
 Prime Contractor: BNBuilders, Inc.  
 Contract Award Amount: \$1,000,000  
 Execution Date: January 25, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2013** 15.00%  
**Construction Completed:** 96.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 18.18%

The work under this Contract consists of Work Orders to be issued by the King County Solid Waste Division includes furnishing all labor, tools, equipment, materials and incidentals, to perform building repairs, structure replacements, minor modifications, and safety improvements. The work involves structural concrete, concrete demolition, carpentry, general construction interior, metal building repairs, sheet metal, steel fabrication and related trades.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Accounts Payable Clerk	0.00	0.00	0.00	-	0	0.00	-	0.00	-
Carpenter	305.00	305.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	276.00	156.00	120.00	43.48%	3	0.00	0.00%	0.00	0.00%
Electrician	170.00	170.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	49.00	49.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>800.00</b>	<b>680.00</b>	<b>120.00</b>	<b>15.00%</b>	<b>3</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00702C11- Youth Service Center Security Electronics Upgrade

Department Name: Executive Services  
 Division: Facilities Management Division  
 Project Name: Youth Service Center Security Electronics Upgrade  
 Contract Number: C00702C11  
 Prime Contractor: Engineered Control Systems, Inc  
 Contract Award Amount: \$1,666,451  
 Execution Date: March 14, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 35.10%  
**Construction Completed:** 100.00%  
 \*\*\*Cumulative Apprenticeship Rate: 25.89%

Upgrade existing security electronics system within the detention wing of the Youth Service Center, together with installation of a video surveillance system. Work site:  
 1211  
 East Alder, Seattle, Washington.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	364.00	364.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	203.50	203.50	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Tech	978.00	978.00	0.00	0.00%	0	0.00	-	0.00	-
Fire and Burglar Alarm Technician	836.00	0.00	836.00	100.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>2,381.50</b>	<b>1,545.50</b>	<b>836.00</b>	<b>35.10%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C00707C12 – WPRP 704 Substation and MCC Upgrade

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: WPTP 704 Substation and MCC Upgrade  
 Contract Number: C00707C12  
 Prime Contractor: Valley Electric Company  
 Contract Award Amount: \$2,590,000  
 Execution Date: April 20, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 33.30%  
**Construction Completed:** 95.00%  
 \*\*\*Cumulative Apprenticeship Rate: 24.64%

The purpose of this project is to upgrade the existing 704 Substation obsolete switchgear which was identified in an arc flash study as dangerous, the new switchgear provides increase power to meet the demands of the new screening project.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	2,963.50	2,963.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	1,485.00	0.00	1,485.00	100.00%	1	0.00	0.00%	0.00	0.00%
Operator	6.75	6.75	0.00	0.00%	0	0.00	-	0.00	-
Painter	4.00	4.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>4,459.25</b>	<b>2,974.25</b>	<b>1,485.00</b>	<b>33.30%</b>	<b>1</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

**Notes:**

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00728C12 – West Point Treatment Plant Liquids Control System Replacement (Primary/Secondary Clarifiers, Aeration, and IPS)

Department Name:	Natural Resources & Parks
Division:	Wastewater Treatment Division
Project Name:	West Point Treatment Plant Liquids Control System Replacement (Primary and Secondary Clarifiers)
Contract Number:	C00728C12
Prime Contractor:	Elcon Corporation
Contract Award Amount:	\$939,000
Execution Date:	March 18, 2013
Type of Construction:	Construction

<b>Apprenticeship Requirement:</b>	<b>15.00%</b>
<b>Apprenticeship Rate: 2013</b>	<b>20.95%</b>
<b>Construction Completed:</b>	<b>43.00%</b>
***Cumulative Apprenticeship Rate:	20.95%

The County is replacing the existing West Section Control System with an Ovation SPCS (Supervisory Process Control System), an Emerson Distributed Control System (DCS). The purpose of this project is to install and commission new Ovation SPCS controllers that shall replace the PLCs that are used to control process from the Primary Clarifiers through the Secondary Clarifiers of the facility. I/O control wiring from existing field devices will be extended from the existing Local Control Panels (LCPs) to the new Ovation Control Panels.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	3,578.50	3,578.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	952.00	0.00	952.00	100.00%	4	70.00	7.35%	40.00	4.20%
Laborer	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>4,544.50</b>	<b>3,592.50</b>	<b>952.00</b>	<b>20.95%</b>	<b>4</b>	<b>70.00</b>	<b>7.35%</b>	<b>40.00</b>	<b>4.20%</b>

**Notes:**

- \*Hours for Women include minority females
- \*\*% of Women and Minorities participation is percent of total apprentice hours
- \*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00730C12 – West Point Treatment Plant Influent Screening Improvements Project

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: West Point Treatment Plant Influent Screening Improvements Project  
 Contract Number: C00730C12  
 Prime Contractor: MKB Constructors  
 Contract Award Amount: \$10,179,622  
 Execution Date: January 18, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 18.62%  
**Construction Completed:** 24.00%  
 \*\*\*Cumulative Apprenticeship Rate: 18.62%

Construction of a 5600 SF screenings handling building, Installation of 5 conveyors, 2 grinders, 6 washer compactors and 2 container loading facilities; demolition in the existing screen room; installation of 6 new bar screen isolation gates and 6 multi-rake screens for a wet weather hydraulic capacity of 440 MGD; demolition of old screening handling equipment; and other Work

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	11,244.00	9,068.50	2,175.50	19.35%	3	0.00	0.00%	1,421.00	65.32%
Cement Mason	58.00	58.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	353.00	0.00	353.00	100.00%	1	0.00	0.00%	353.00	100.00%
Electrician	1,973.50	1,973.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	791.00	791.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	790.00	0.00	790.00	100.00%	10	0.00	0.00%	138.00	17.47%
Ironworker	909.00	909.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	640.00	640.00	0.00	0.00%	0	0.00	-	0.00	-
Millwright	601.50	601.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	32.00	32.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	110.00	110.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	70.00	70.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	189.50	189.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	34.30	34.30	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>17,819.80</b>	<b>14,501.30</b>	<b>3,318.50</b>	<b>18.62%</b>	<b>14</b>	<b>0.00</b>	<b>0.00%</b>	<b>1,912.00</b>	<b>57.62%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

# C00742C12 – KC District Court Southeast Electoral Division Relocation to MRJC

Department Name: Executive Services  
 Division: Facilities Management Division  
 Project Name: KC District Court Southeast Electoral Division Relocation to the MRJC  
 Contract Number: C00742C12  
 Prime Contractor: Kirtley-Cole Associates LLC  
 Contract Award Amount: \$3,920,000  
 Execution Date: August 2, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 9.00%  
**Apprenticeship Rate: 2013** 9.22%  
**Construction Completed:** 99.00%

\*\*\*Cumulative Apprenticeship Rate: 9.28%

This project is to consolidate and relocate King County District Court's Southeast District to the Maleng Regional Justice Center (MRJC).

## Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Acoustical Applicator	766.00	623.00	143.00	18.67%	3	40.00	27.97%	0.00	0.00%
Brick Layer	447.50	348.00	99.50	22.23%	1	0.00	0.00%	0.00	0.00%
Cabinet Maker	767.50	767.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	3,396.00	3,351.00	45.00	1.33%	1	0.00	0.00%	45.00	100.00%
Cement Mason	546.00	546.00	0.00	0.00%	0	0.00	-	0.00	-
Commercial Glazier	154.50	0.00	154.50	100.00%	1	0.00	0.00%	0.00	0.00%
Construction Electrician	343.00	0.00	343.00	100.00%	2	0.00	0.00%	198.00	57.73%
Drywall Installer/taper	5,130.50	5,130.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	5,834.50	5,834.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician Constructor	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Elevator Constructor	80.80	80.80	0.00	0.00%	0	0.00	-	0.00	-
Elevator Constructor Mechanic	90.80	0.00	90.80	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	56.20	56.20	0.00	0.00%	0	0.00	-	0.00	-
Firestop/Containment Worker	23.00	0.00	23.00	100.00%	1	0.00	0.00%	0.00	0.00%
Glazier	162.00	162.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	1,126.10	1,126.10	0.00	0.00%	0	0.00	-	0.00	-
Gypsum Drywall Systems Installer	927.00	0.00	927.00	100.00%	9	0.00	0.00%	599.50	64.67%
HVAC (Sheet Metal) Worker	1,393.50	1,393.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC Test, Adjust and Balance Tech	93.00	0.00	93.00	100.00%	1	0.00	0.00%	93.00	100.00%
Inside Wire-man	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Worker	306.00	306.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	244.00	244.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation-Applicator	111.00	0.00	111.00	100.00%	2	0.00	0.00%	111.00	100.00%
Iron Worker	386.00	386.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	24.00	0.00	24.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	1,343.60	1,343.60	0.00	0.00%	0	0.00	-	0.00	-
Landscaper	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Low Energy/Sound & Comm Tech	209.00	0.00	209.00	100.00%	2	0.00	0.00%	0.00	0.00%
Painter	383.50	383.50	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	76.50	76.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	133.00	133.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	349.50	349.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	73.00	0.00	73.00	100.00%	2	0.00	0.00%	0.00	0.00%
Plasterer	822.00	706.00	116.00	14.11%	3	27.00	23.28%	27.00	23.28%
Plumber	967.40	967.40	0.00	0.00%	0	0.00	-	0.00	-
Roofer	98.50	82.50	16.00	16.24%	2	0.00	0.00%	16.00	100.00%
Sheet Metal Worker	52.50	1.00	51.50	98.10%	2	0.00	0.00%	0.00	0.00%
Sprinkler Fitter	199.00	166.00	33.00	16.58%	3	0.00	0.00%	0.00	0.00%
Surveyor	21.00	21.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	9.50	9.50	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	616.00	616.00	0.00	0.00%	0	0.00	-	0.00	-
Terrazzo Worker	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Tile/Terrazzo/Marble Finisher	2.00	0.00	2.00	100.00%	1	0.00	0.00%	2.00	100.00%
<b>Total</b>	<b>27,802.90</b>	<b>25,240.60</b>	<b>2,562.30</b>	<b>9.22%</b>	<b>39</b>	<b>67.00</b>	<b>2.61%</b>	<b>1,091.50</b>	<b>42.60%</b>

### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00750C12 – 2012 Countywide Hot Mix Asphalt Overlay

Department Name: Transportation  
 Division: Road Services Division  
 Project Name: 2012 Countywide Hot Mix Asphalt Overlay  
 Contract Number: C00750C12  
 Prime Contractor: LAKESIDE INDUSTRIES INC  
 Contract Award Amount: \$3,919,448  
 Execution Date: July 25, 2012  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2013** 3.08%  
**Construction Completed:** 93.00%  
 \*\*\*Cumulative Apprenticeship Rate: 5.20%

This project provides for the improvements to 16.51 miles of roadway in King County by planing bituminous surfaces, removing raised pavement markers, rumble strips, and plastic pavement markings, paving with HMA, furnishing and placing crushed surfacing top course, erosion control, and other work, all in accordance with the attached Plans, these Special Provisions, and the 2012 APWA/WSDOT Standard Specifications for Road, Bridge, and Municipal Construction.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	11.00	0.00	11.00	100.00%	1	0.00	0.00%	0.00	0.00%
Flagger	310.00	310.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,111.50	1,065.00	46.50	4.18%	2	0.00	0.00%	0.00	0.00%
Operator	805.00	805.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	254.50	254.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	35.50	0.00	35.50	100.00%	1	0.00	0.00%	35.50	100.00%
Truck Driver	494.50	494.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,022.00</b>	<b>2,929.00</b>	<b>93.00</b>	<b>3.08%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>35.50</b>	<b>38.17%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00763C12 – MRJC Detention Security Electronics Upgrade

Department Name: Executive Services  
 Division: Facilities Management Division  
 Project Name: MRJC Detention Security Electronics Upgrade  
 Contract Number: C00763C12  
 Prime Contractor: Status Automation/Status Electrical Corp  
 Contract Award Amount: \$647,661  
 Execution Date: March 29, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 38.65%  
**Construction Completed:** 43.00%  
 \*\*\*Cumulative Apprenticeship Rate: 38.40%

This Project upgrades the security electronics systems within the detention wing of the Maleng Regional Justice Center through selective demolition of existing security electronics system(s), and installation and/or additions of new components to existing systems.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Electrician	157.00	157.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	693.00	280.00	413.00	59.60%	1	0.00	0.00%	0.00	0.00%
Low Energy/Sound & Comm Tech	72.00	0.00	72.00	100.00%	1	0.00	0.00%	0.00	0.00%
Sound & Communication Installer	333.00	333.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,255.00</b>	<b>770.00</b>	<b>485.00</b>	<b>38.65%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00785C12 – E Line and F Line RapidRide Passenger Facilities Improvements Work Order

Department Name: Transportation  
 Division: Transit Division  
 Project Name: E Line and F Line RapidRide Passenger Facilities Improvements Work Order  
 Contract Number: C00785C12  
 Prime Contractor: Gary Merlino Construction Co Inc  
 Contract Award Amount: \$3,000,000  
 Execution Date: April 11, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 21.32%  
**Construction Completed:** 57.00%  
 \*\*\*Cumulative Apprenticeship Rate: 19.89%

This contract involves the construction of approximately 90 bus zones to support King County Metro Transit's new RapidRide E and F Lines service between Downtown Seattle to Shoreline via Aurora Ave N (E Line), and between Burien and Renton (F Line). These lines cross the jurisdictions of Seattle and Shoreline (E Line); and Burien, SeaTac, Tukwila, and Renton (F Line).

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	68.00	43.00	25.00	36.76%	1	0.00	0.00%	25.00	100.00%
Cement Mason	1,500.50	1,213.00	287.50	19.16%	5	0.00	0.00%	239.00	83.13%
Electrician	905.50	905.50	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	742.00	0.00	742.00	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	655.00	0.00	655.00	100.00%	3	618.00	94.35%	37.00	5.65%
Laborer	3,011.00	3,011.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,135.50	1,135.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>8,017.50</b>	<b>6,308.00</b>	<b>1,709.50</b>	<b>21.32%</b>	<b>10</b>	<b>618.00</b>	<b>36.15%</b>	<b>301.00</b>	<b>17.61%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00790C13 – KCIA Hangar 5 Demolition

Department Name: Transportation  
 Division: King County International Airport  
 Project Name: KCIA Hangar 5 Demolition  
 Contract Number: C00790C13  
 Prime Contractor: Wm Dickson  
 Contract Award Amount: \$224,980  
 Execution Date: April 19, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2013** 11.57%  
**Construction Completed:** 100.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 11.58%

The project includes the abatement and demolition of the Hangar 5 facility at King County International Airport. The building consists of approximately 5700 SF of office space constructed of masonry, steel and timber framing, and approximately 38,500 SF of hangar space constructed of timber framing. The building

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Asbestos Worker	148.00	148.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	60.25	60.25	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	186.00	186.00	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Equipment Mechanic	60.00	60.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	514.25	335.25	179.00	34.81%	2	0.00	0.00%	28.00	15.64%
Operator	311.00	311.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	262.25	262.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	5.00	5.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>1,546.75</b>	<b>1,367.75</b>	<b>179.00</b>	<b>11.57%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>28.00</b>	<b>15.64%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date



## C00803C13 – Cedar Hills Regional Landfill Area 7 Stage 1 Closure Construction

Department Name: Natural Resources & Parks  
 Division: Solid Waste Division  
 Project Name: Cedar Hills Regional Landfill Area 7 Stage 1 Closure Construction  
 Contract Number: C00803C13  
 Prime Contractor: Northwest Construction Inc  
 Contract Award Amount: \$1,837,476  
 Execution Date: June 17, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2013** 14.79%  
**Construction Completed:** 92.50%  
**\*\*\*Cumulative Apprenticeship Rate:** 14.79%

Grading, compacting, trenching, installing geomembrane cover systems, erosion and sedimentation control, installing geosynthetic materials and pipes, and any related work necessary for construction

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	703.00	0.00	703.00	100.00%	2	0.00	0.00%	0.00	0.00%
Electrician	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,997.50	1,997.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	3,719.50	3,195.00	524.50	14.10%	2	0.00	0.00%	0.00	0.00%
Operator	1,533.00	1,533.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	298.90	298.90	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	18.50	18.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>8,298.40</b>	<b>7,070.90</b>	<b>1,227.50</b>	<b>14.79%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00806C13 – North Base HVAC Replacement and Electrical Upgrades

Department Name: Transportation  
 Division: Transit Division  
 Project Name: North Base HVAC Replacement and Electrical Upgrades  
 Contract Number: C00806C13  
 Prime Contractor: Design Air Ltd.  
 Contract Award Amount: \$7,744,452  
 Execution Date: August 16, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 2.20%  
**Construction Completed:** 5.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 9.59%

Construction, and replacement of HVAC systems and electrical system upgrades at the NB.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	48.00	48.00	0.00	0.00%	0	0.00	-	0.00	-
Drywall Installer/taper	27.00	27.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	293.00	293.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	111.00	111.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	41.50	22.50	19.00	45.78%	1	0.00	0.00%	0.00	0.00%
Laborer	452.50	452.50	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	222.00	222.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	7.50	0.00	7.50	100.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>1,204.50</b>	<b>1,178.00</b>	<b>26.50</b>	<b>2.20%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00807C13 – Murray CSO Control Facility

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Murray CSO Control Facility  
 Contract Number: C00807C13  
 Prime Contractor: Shimmick Construction Company, Inc  
 Contract Award Amount: \$26,115,000  
 Execution Date: September 26, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 0.00%  
**Construction Completed:** 0.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 0.00%

Construct a one million gallon below grade combined sewage storage tank and connection of the tank to the existing Murray Avenue Pump Station and influent sewers.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Operator	53.00	53.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	12.50	12.50	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>65.50</b>	<b>65.50</b>	<b>0.00</b>	<b>0.00%</b>	<b>0</b>	<b>0.00</b>	-	<b>0.00</b>	-

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00817C13 – Reddington Levee Setback

Department Name: Natural Resources & Parks  
 Division: Water & Land Resources Division  
 Project Name: Reddington Levee Setback  
 Contract Number: C00817C13  
 Prime Contractor: Scarsella Bros., Inc.  
 Contract Award Amount: \$7,279,230  
 Execution Date: June 20, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 10.00%  
**Apprenticeship Rate: 2013** 14.03%  
**Construction Completed:** 95.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 13.93%

Removal of an existing rock armored levee and construction of a new setback levee with engineered log jams, rock barbs and riprap armor in the City of Auburn.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	518.50	0.00	518.50	100.00%	4	0.00	0.00%	0.00	0.00%
Equipment Operator	9,483.50	9,483.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	116.00	116.00	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	596.00	0.00	596.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	4,516.00	3,467.50	1,048.50	23.22%	6	0.00	0.00%	8.00	0.76%
Operator	177.50	177.50	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>15,415.50</b>	<b>13,252.50</b>	<b>2,163.00</b>	<b>14.03%</b>	<b>11</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.00</b>	<b>0.37%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00824C13 – D Line RapidRide North Terminal

Department Name: Transportation  
 Division: Transit Division  
 Project Name: D Line RapidRide North Terminal  
 Contract Number: C00824C13  
 Prime Contractor: Gary Merlino Construction Co Inc  
 Contract Award Amount: \$1,110,290  
 Execution Date: June 13, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 37.95%  
**Construction Completed:** 56.00%  
 \*\*\*Cumulative Apprenticeship Rate: 36.83%

Work shall include, but is not limited to, clearing and grubbing, earthwork, curb and gutter, sidewalks, asphalt concrete paving, cement concrete paving, stormwater drainage systems, stormwater water quality and detention systems, street lighting, signage, pavement markings, landscaping and driveway restoration, work by utility owners, and other work shown on the Drawings.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	551.00	335.00	216.00	39.20%	3	0.00	0.00%	98.00	45.37%
Constr Equip Operator	605.50	0.00	605.50	100.00%	2	0.00	0.00%	0.00	0.00%
Electrician	152.00	152.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	45.00	0.00	45.00	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	1,072.00	718.50	353.50	32.98%	3	0.00	0.00%	304.50	86.14%
Operator	370.00	370.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	180.25	180.25	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	233.25	233.25	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,215.00</b>	<b>1,995.00</b>	<b>1,220.00</b>	<b>37.95%</b>	<b>9</b>	<b>0.00</b>	<b>0.00%</b>	<b>402.50</b>	<b>32.99%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C00846C13 – King County Skyway I Pavement Overlay

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: King County Skyway I/Pavement Overlay  
 Contract Number: C00846C13  
 Prime Contractor: Miles Resources, LLC  
 Contract Award Amount: \$969,822  
 Execution Date: August 21, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 5.00%  
**Apprenticeship Rate: 2013** 7.15%  
**Construction Completed:** 46.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 7.13%

Planing bituminous surfaces, removing raised pavement markers, and plastic traffic markings, paving with HMA, placing crushed surfacing, erosion control and other work.

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Constr Equip Operator	97.50	0.00	97.50	100.00%	1	0.00	0.00%	97.50	100.00%
Equipment Operator	832.00	832.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,172.00	1,062.50	109.50	9.34%	2	0.00	0.00%	109.50	100.00%
Operator	115.50	115.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster	778.25	778.25	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	21.75	0.00	21.75	100.00%	1	0.00	0.00%	21.75	100.00%
Truck Driver	184.00	184.00	0.00	0.00%	0	0.00	-	0.00	-
<b>Total</b>	<b>3,201.00</b>	<b>2,972.25</b>	<b>228.75</b>	<b>7.15%</b>	<b>4</b>	<b>0.00</b>	<b>0.00%</b>	<b>228.75</b>	<b>100.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## C38138C – Brightwater Treatment Plant

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: Brightwater Treatment Plant  
 Contract Number: C38138C  
 Prime Contractor: HOFFMAN CONSTRUCTION COMPANY OF WASHINGTON  
 Contract Award Amount: \$219,591,612  
 Execution Date: March 27, 2006  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 5.40%  
**Construction Completed:** 97.00%  
 \*\*\*Cumulative Apprenticeship Rate: 15.21%

The Brightwater Treatment Plant is a new wastewater treatment facility to be located just east of State Route 9 and north of State Route 522 and Woodinville. The Brightwater plant will provide 36 million gallons per day (mgd) of treatment capacity (average wet weather flow) by 2010 and 54 mgd of capacity by 2040. The Brightwater plant includes membrane bioreactor (MBR) secondary treatment systems, Class B biosolids and reclaimed water production, odor control systems, and disinfection

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Carpenter	667.00	667.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	115.00	99.00	16.00	13.91%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	739.00	739.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	19.00	19.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,096.00	992.00	104.00	9.49%	3	0.00	0.00%	0.00	0.00%
Pipefitter	13.50	13.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	505.00	454.50	50.50	10.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>3,154.50</b>	<b>2,984.00</b>	<b>170.50</b>	<b>5.40%</b>	<b>5</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date

## ESCO2011-263 G(1-1) – KC WPTP De-watering Replacement

Department Name: Natural Resources & Parks  
 Division: Wastewater Treatment Division  
 Project Name: King County WPTP Dewatering Replacement  
 Contract Number: ESCO2011-263 G (1-1)  
 Prime Contractor: Johnson Controls  
 Contract Award Amount: \$11,693,984  
 Execution Date: January 24, 2013  
 Type of Construction: Construction

**Apprenticeship Requirement:** 15.00%  
**Apprenticeship Rate: 2013** 1.65%  
**Construction Completed:** 10.00%  
**\*\*\*Cumulative Apprenticeship Rate:** 1.65%

Energy efficiency measures under Contract No. 2011-263 G (1-1) will included the replacement of the dewatering centrifuges and controls, including any and all necessary ancillary equipment. The ESCO will perform a detailed engineering design as needed to obtain Owner review and approval of the proposed system and obtain bids as required. The ESCO will provide construction management, as-built drawings and O&M manuals. All work is per the West Point Treatment Plant Energy Services Proposal dated December 18, 2012."

### Apprentice Utilization by Trade/Craft

Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	**Apprentice Hours			
						*Women	%	Minorities	%
Cement Mason	812.00	812.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	272.00	272.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	524.00	524.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	805.00	767.00	38.00	4.72%	1	0.00	0.00%	0.00	0.00%
Sheet Metal Worker	8.00	6.00	2.00	25.00%	1	0.00	0.00%	0.00	0.00%
<b>Total</b>	<b>2,421.00</b>	<b>2,381.00</b>	<b>40.00</b>	<b>1.65%</b>	<b>2</b>	<b>0.00</b>	<b>0.00%</b>	<b>0.00</b>	<b>0.00%</b>

#### Notes:

\*Hours for Women include minority females

\*\*% of Women and Minorities participation is percent of total apprentice hours

\*\*\* Cumulative Apprenticeship Rate is the overall percent of apprentice utilization from the contract start date