

2016

Annual Apprenticeship Report



Department of Executive Services

Finance and Business Operations Division

Business Development and Contract Compliance Section

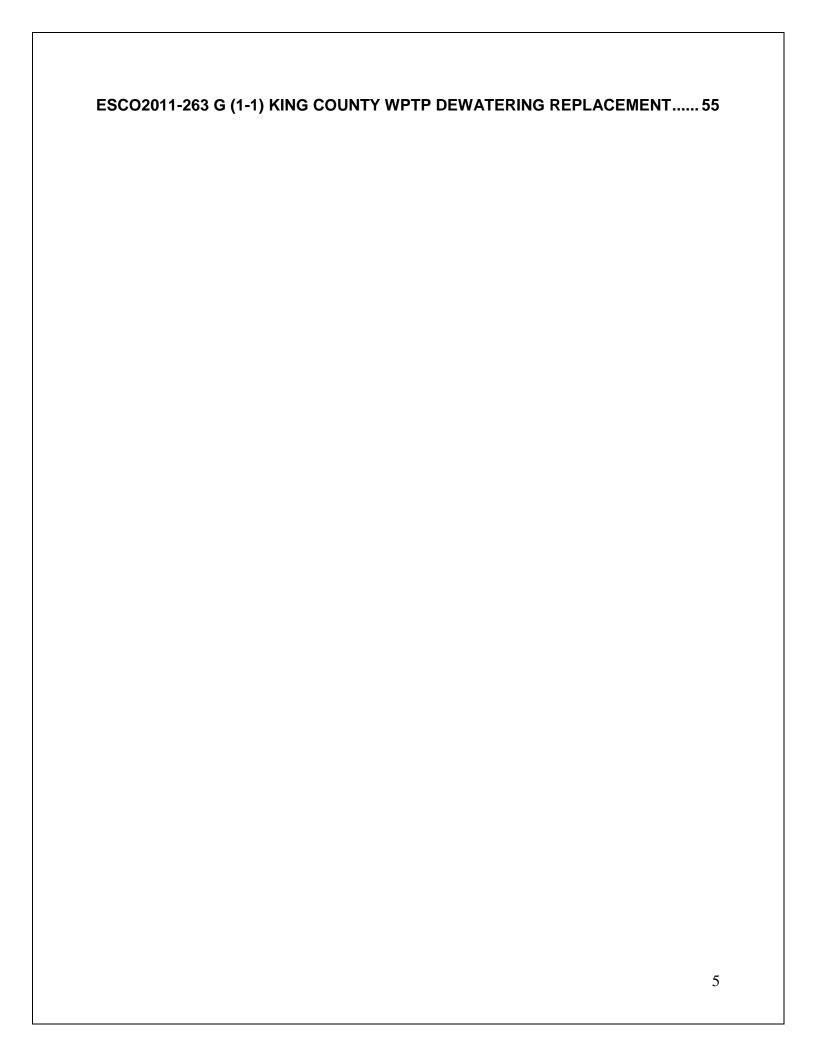
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SUMMARY



King County Apprenticeship Program provides workers paid on-the-job training, classroom instruction, and a pathway into family wage careers.

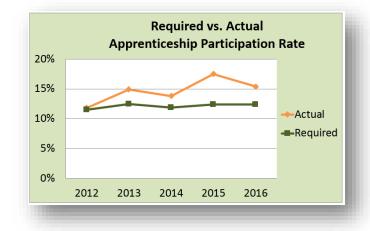
Dow Constantine, King County Executive

In King County, like much of the rest of the country, the Puget Sound area is seeing a steady comeback in the construction industry. Employment numbers comparing 2015 with 2016 show a trend in the right direction following the post-recession rebound of construction that yields additional job opportunities for workers entering the industry. The new concern among contractors is not depressed forecasts for construction spending. Rather, whether there will be enough workers to meet the anticipated demand for skilled workers in the construction industry.

This projected labor shortage provides an opportunity for the County to address the workforce demand and opportunity gap by supporting the hiring of residents who live in economically distressed areas of King County based on priority hiring ZIP codes that are determined by economic criteria. Although unemployment in King County has dropped significantly in recent years, there are many communities that have not benefited from our region's growing economy. Commonly referred to as "Priority Hire", this workforce development strategy will leverage our highly successful apprenticeship program that achieved the following results in 2016:

- 68,092 apprentice labor hours
- 15.4% overall apprentice participation rate
- 354 registered apprentices
- 25.9% minority apprentice participation rate
- 11.7% participation by women apprentices

The chart shown contains data to illustrate the actual apprenticeship rate achieved for the 5-year period between 2012 and 2016. During this period, prime contractors exceeded



the required apprenticeship rate for each of the past 5 years.

The demand for skilled workers currently outpaces supply. With Priority Hire we have the opportunity to further enhance employment opportunities that supports the hiring of workers from traditionally disadvantaged communities who enter apprenticeship programs into family wage careers. It is the right policy for King County because it enhances our equity and social justice goals and grows a skilled workforce that will be necessary for our region to continue to prosper.

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 factors used to determine the establishment of apprenticeship requirements. Construction projects valued at less than \$1 million dollars may be subject to the apprenticeship requirements if the project duration is sufficient and the number of labor hours adequate in a specific trade(s) to support the use of apprentices.

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 contracts subject to the apprenticeship requirements during the reporting period.

2016 General Summary	7
Total Labor Hours on KC Projects	442,348
Actual Apprentice Hours Worked	68,092
Actual Apprentice Hours Percentage	15.4%
Apprentice Hours Overall Goal at 15%	66,352
Number of Apprentices	354
Apprentice Population Summary	



Apprentice Population Summary								
Population	Number	Hours	% Hours					
Caucasian Men	213	44,300	65.1%					
Caucasian Women	20	6,176	9.1%					

Minority Apprentices Population				Apprentice Hours by Race					
Disadvantaged Youth		0	Not in total	Asian	Black	Hispanic	Native	Other	
Minority Men	111	15,827	23.2%	1,767	3,982	5,874	3,211	993	
Minority Women	10	1,790	2.6%	6	123	213	83	1,366	
Subtotal Minorities	121	17,616	25.9%	1,773	4,104	6,086	3,294	2,359	
	% App	rentice Ho	urs by Race:	2.6%	6.0%	8.9%	4.8%	3.5%	
						No.	Apprentice		
Department Summary		Proj	ects	\$ Amount	Labor Hrs	Apprentices	Hrs	% Use	
Executive Services									
Facilities Management Divisi	on	•	1	\$6,120,400	2,047	6	224	10.9%	
	Subtotal	•		\$6,120,400	2,047	6	224	10.9%	
King County Information Technique	chnology								
Information Technology		•	1	\$2,500,000	1,458	2	85	5.8%	
	Subtotal	•		\$2,500,000	1,458	2	85	5.8%	
Natural Resources & Parks									
Parks & Recreation		1		\$1,695,504	4,906	2	958	19.5%	
Solid Waste Division		3		\$72,532,928	84,239	78	14,014	16.6%	
Wastewater Treatment Divisi	on	1	5	\$164,479,202	277,423	162	42,164	15.2%	
Water & Land Resources Div	rision	ļ	5	\$16,574,261	33,046	22	3,987	12.1%	
	Subtotal	2	4	\$255,281,895	399,614	264	61,123	15.3%	
Transportation									
King County International Airport 1		\$4,536,165	20,181	30	3,659	18.1%			
Road Services Division 2		2	\$11,815,236	3,271	8	184	5.6%		
Transit Division		4		\$8,125,019	15,777	44	2,819	17.9%	
	Subtotal		7	\$24,476,420	39,228	82	6,661	17.0%	
Departments	Total	3	3	\$288,378,715	442,348	354	68,092	15.4%	

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% percent 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% percent is realistic and attainable for these projects.

III. Highways and Bridges

Highway and bridge projects, including roads, paving, and park and ride lots, 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% percent 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.

As different King County Departments' public works projects often fall within certain construction categories, an expected range in apprenticeship usage rates for those departments is between 5% percent and 15%, depending on the of construction type in which



the department specializes. In 2016, King County Departments' apprenticeship rates on construction projects that included these requirements ranged from 4.74% percent to 32.5% percent, with an average of 15.4% percent, indicating that the Departments are close to meeting or exceeding the required apprenticeship rate. Some departments, such as the Department of

Natural Resources and Parks (DNRP), and the King County Department of Transportation, employed a high percentage of apprentices on projects during the report period; achieving an overall apprenticeship rate of 15.3% percent and 17% percent, respectively. These trends indicate that, overall, prime contractors generally meet or exceed the apprenticeship requirements established for their contracts.

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

In 2016, King County achieved an overall apprenticeship rate of 15.4% percent for all public works projects subject to the apprenticeship requirements. The overall apprenticeship rate is calculated by dividing the total of apprentice labor hours by the total of all labor hours associated with applicable projects. These projects do not include work order contracts for construction services.

Table 1 below is a data comparison of the 2015 and 2016 participation rates in labor hours and the number of apprentices employed on County public works projects.



Table 1 - Comparison 2016 / 2015 Apprentice Participation

Apprentice Participation	2015	2016	% Change
			from 2015
Number of Projects	26	33	+26.9%
Total Labor Hours	420,416	442,348	+5.2%
Total Apprentice Labor Hours	73,733	68,092	-7.7%
Apprentice Participation Rate	17.5%	15.4%	-2.1%
Required Apprenticeship Percentage	12.4%	11.2%	-1.2%
Apprentices Employed on County Projects	310	354	+14.2%

Table 1 contains data on the number of King County construction projects subject to the apprenticeship requirements. This figure increased from 26 projects in 2015 to 33 projects in 2016. The data also reveals a corresponding increase of 5.2% percent in the total labor hours worked on these projects.

Despite an increase in the number of projects subject to the apprenticeship requirements, and a corresponding increase in the number of apprentices employed on these projects in 2016, apprentices performed 7.7% percent fewer labor hours on these projects compared to the previous program year. This change is attributable to the specialized scopes of work for three projects that include: a) Eastside Interceptor Section 13 Rehabilitation Project for the Department of natural Resources and Parks (DNRP) Wastewater Treatment division, b) the Puget Sound Emergency Radio Network (PSERN) Radio System Multi-Site Improvement project for the Department of Information Technology, and c) Transit Roof Repairs, Building Envelope and Waterproofing 2016-2017 Project for the Department of Transportation. Information about the impact of these three projects on the overall apprenticeship rate in 2016 is summarized below.

a) Eastside Interceptor Section 13 Rehabilitation Project

The eastside interceptor rehabilitation project scope of work entails rehabilitating corroded concrete sewer pipe by installing specialized slip-lining to repair leaks and restore structural stability to existing pipelines. The use of apprentices is limited for this scope of work due to safety requirements and the highly specialized skills required to install the material. This \$3.2 million dollar project was awarded in November 2015

and has generated greater than 15,000 labor hours. Of these labor hours, apprentices have performed approximately 1,200 or less than 1% percent of the total labor hours for this project.

- b) PSERN Radio System Multi-Site Improvement Project
 - The PSERN radio system multi-site improvement project for the Information Technology department is a work order contract valued at \$2.5 million dollars for which the County does not guarantee any minimum amount of work or the dollar amount of the Work Orders issued. The scope of work is for construction at nine (9) radio sites as part of the County's new land mobile radio system for the PSERN project. The project was awarded in July 2016 and has produced 1,458 total labor hours. Two (2) registered apprentices have performed work as HVAC service technicians for a total of 84 labor hours or 5.8% percent of all work orders issued during this report period.
- c) Transit Roof Repairs, Building Envelope and Waterproofing 2016-2017 Project
 This project is being executed through a work order contract that has a not-to-exceed value of \$1 million dollars. The County does not guarantee any minimum amount of work or that the dollar amount of the work orders issued will total \$1 million during the duration of this Contract. The scope of work involves mobilizing and performing waterproofing, roof and building envelope repairs, and maintenance work on facilities maintained by the King County Transit division. Work Orders will be either for a defined scope of work or for emergency repairs. This contract was executed in July 2016 and has produced roughly 2,000 total labor hours with approximately 690 labor hours performed by sixteen (16) apprentices. The high number of apprentices used to perform work for a limited number of hours for each work order issued results in fewer labor hours worked by apprentices. As a result, despite an increase in the number of projects subject to the apprenticeship requirements, and an increase in the total number of apprentices, (from 310 in 2015 to 354 in 2016, a gain of 14.2% percent), fewer labor hours were performed overall by apprentices during the report period.

Section 3: APPRENTICESHIP UTILIZATION AND PARTICIPATION BY POPULATIONS

I. Populations in King County's Apprenticeship Program

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

- 1. Caucasian Men
- 2. Minority Men
- 3. Minority Women
- 4. Caucasian Women

Caucasian men continue to represent the largest number of apprentices and the highest percentage of all labor hours performed by apprentices on King County construction projects, commanding 44,300 or 65.1% percent.



When apprentice participation rates of minority men are examined by race, these percentages are much lower. Hispanic males make up the largest group of minority men apprentices—8.9% percent of all minority men apprentices participating on county construction projects in 2016. African American men constitute the next largest group at 6.0% percent; Native American men are 4.8% percent; and Asian/Pacific Islander at 2.6% percent. See the 2016 General Summary Table on page 8.

In 2016, women apprentices made up 11.7% percent of all apprentices participating in King County's Apprenticeship Program. Caucasian women made up the largest number of women apprentices with a total of nineteen (19) workers participating on county construction projects in 2016 representing 9.1% percent of all women apprentices. This percentage of women apprentices in the County's Apprenticeship program is higher than nationwide participation trends. Nationally, women make up about 3% percent of the apprentices in the construction workforce; minority women comprise approximately 1% percent of this percentage.

During the same period, the total number of labor hours worked by minority women apprentices increased marginally by 6.7% percent from 1,677 labor hours performed in 2015 to 1,790 labor hours worked in 2016. The number of minority women apprentices increased by one. When the participation rates of women apprentices are examined by race, these figures are even more dismal. In 2016, the overall apprenticeship rate for minority women was 2.6 percent. Of this percentage, Hispanic women represent 0.31% percent; African American women 0.18% percent; Asian women 0.01% percent, and Native women 0.12% percent of all female apprentices.

Table 2- Apprentice Numbers and Labor Hours Worked by Groups

Population	Number of Persons		% Change	Labor Hours		% Change
	2015 2016			2015 2016		
Caucasian Men	183	213	7.1%	41,872	44,300	5.8%
Minority Men	93	111	6.5%	22,634	15,827	-30.1%
Minority Women	9	10	0%	1,677	1,790	6.7%
Caucasian Women	17	20	11.8%	7,452	6,176	-17.1%

Table 2A - Minority Women - Apprentice Numbers and Labor Hours

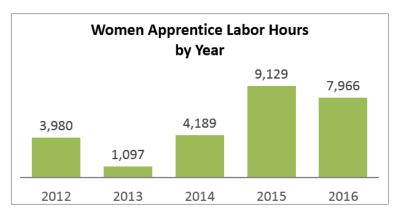
Population	Number o	of Persons	Labor	Hours
	2015	2016	2015	2016
Hispanic Women	3	3	609	213
African American Women	1	3	294	123
Asian Women	3	2	479	1,371
Native Women	2	2	295	83

Table 3 below contains data on the participation rate of members of each group and the percentage change from year 2015 and 2016.

Table 3 - Apprentice Participation Rate by Groups

Population	Population Population Rate				
	2015	2016	% Change		
Caucasian Men	56.8%	65.1%	8.2%		
Minority Men	30.7%	23.2%	-7.5%		
Minority Women	2.3%	2.6%	0.3%		
Caucasian Women	10.1%	9.1%	-1.0%		

The retention of women in the construction industry is critical to success. The number of women who have been recruited to the trades and who have received training and achieved entry level status is exponentially higher than the number who have stayed in the trades and made it а career. Generally, spent on recruitment resources outweigh those spent on retention. Addressing this challenge may



require a shift in emphasis and resources from training to retention and the advancement of women in the construction industry.

Data compiled by Community Attributes Inc., a Seattle-based consulting firm for King, Pierce, and Snohomish Counties, identifies an average of 245 apprentices per year were female from 2011-2015. On average, there were 2,952 male apprentices per year during the same period. Female construction apprentices took longer to complete their respective apprenticeship



programs than their male counterparts.

From 2011 through 2015, an average of 57 female apprentices cancelled their apprenticeships per year, compared to 725 for male apprentices.

More recent labor data identifies that there were 15,203 active apprentices in Washington State from 2015 to 2016. Of these active apprentices, 1,396 were women—a 9% percent women apprentice participation rate. This figure is above the national average. The 2016 data for King County's apprenticeship program suggests similar participation rates for women when compared to the State of Washington overall.¹

II. Disabled or Economically Disadvantaged Youth

Contractors did not report labor hours for the participation of apprentices identified as disabled or economically disadvantaged youth. Contractors can 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). Contractors are generally reluctant to ask questions that probe into these sensitive areas to identify members of these groups. Although the data is speculative, anecdotal evidence supports this assumption. The number and labor hours for Disabled Persons and Economically Disadvantaged Youth are included in data reported for other populations.

¹ Source: Washington State Department of Labor and Industries, 2016; Community Attributes Inc., 2016; <u>City of Seattle Construction Hiring Analysis</u> December, 2016.

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 2016. The data reveals that contractors are exceeding expectations for apprentices working on these King County-funded public works projects. In 2016, the required percentage rate for these public works projects was 12.4% percent. Prime contractors collectively achieved 15.4% percent apprenticeship participation in 2016, surpassing the required rate by 3.0% percent.

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 obtain enough apprentices to meet the established requirement.

The process to establish apprenticeship requirements permits flexibility based on the project size and scope, duration, trades and crafts involved, and awaited labor hours. The process ensures that the set level of utilization is realistic and consistent with the scope of work, trades, and crafts involved.

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 subcontractors committed to using apprentices to achieve the established requirements.



King County may implement 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. During this report period, King County did not apply sanctions to any prime contractors.

Cycle of Construction Projects

The cycle of construction projects has an impact on the overall apprenticeship rate. The overall percentage of contractors who met or exceeded the apprenticeship requirements established for projects completed during the report period was 100% percent. A majority of the difference between contractors' full achievement of apprenticeship requirement and the achievement percentage at the end of the reporting year is attributed to multi-year nature of many construction projects. 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. Challenges Encountered by Participating Apprentices

A means to capture and resolve challenges faced by apprentices and to encourage their continued participation in the industry is an ongoing challenge for King County and other jurisdictions. While all apprentices experience these challenges to some degree, they seem to be especially common for women.

- <u>Recruitment of Women</u>. Recruiting more women into the trades is a key challenge to address, beginning in the high schools.
- <u>Satisfactory Training and Job Assignments</u>.
 Many women apprentices have an unclear understanding of the skills progression they are expected to learn on the job as they may not receive the same skill-level assignments or continuity of training as their male



counterparts. As a result, women apprentices who attain journey-level status without the requisite skills find that they are less employable at the end of their apprenticeships.

- <u>Unstable Employment</u>. Unemployment is a fact in the construction trades. Journey-level
 women are more often the first to be laid off, compounded by the lack of accountability for
 on-the-job-training that is necessary to be employable in the job market.
- <u>Absence of Women in Leadership Positions</u>. There is a need for more women in leadership positions on jobsites, in apprenticeship programs and unions.
- <u>Lack of Mentors and Support Systems</u>. Support systems are needed for women apprentices to include mentoring opportunities and information sharing about how to negotiate the apprenticeship system.
- <u>Deficiency of Family Workplace Policies</u>. Childcare is a significant challenge for women apprentices with young children, due to costs and hours of operation that do not fit long construction work hours.

King County is addressing this challenge by providing annual financial support to the Office of Port Jobs that supports the Apprenticeship Opportunities Project (AOP). AOP was created in the mid 1990's to help low-income individuals, women, and people of color enter and succeed in apprenticeship and trades-related jobs in King County. AOP is operated by Apprenticeship and Non-Traditional Employment for Women (ANEW), one of the oldest pre-apprenticeship programs serving women in the nation. Port Jobs specifically contracts with ANEW to operate AOP. In 2016, AOP placed 82 individuals. The top three apprenticeship placements by trade were carpenters, electricians and laborers. AOP also promotes the retention of these low-income individuals, women, and people of color by providing retention services such as case management and financial assistance for items associated with retaining a trades-related job, such as dues, transportation expenses, and proper work attire.

III. Priority Hiring Pilot Program

In 2016, King County began implementing a Priority Hire Pilot Program for King County capital construction projects. Priority hire is designed to prioritize economically disadvantaged local workers for inclusion in capital construction projects. Priority hire can improve access to employment and training programs for workers needing family-wage jobs by supporting the hiring of residents who live in economically distressed areas of King County.

On certain projects, a percentage of all labor hours are directed to a defined group of people. King County's priority hiring pilot program direct jobs to individuals that reside in particular geographic areas that are designated by ZIP code and identified based on economic criteria. Ultimately, the goal is to direct job opportunities to disadvantaged communities, especially those living in areas of concentrated poverty and unemployment, including people of color, low-income workers, and women. By combining priority hiring with other workforce strategies, such as those integrated into the county's apprenticeship program that includes hiring goals for disadvantaged youth, minority and women apprentices as a percentage of all labor hours worked, the program works to direct to residents who need them the most.

To best utilize priority hiring and other strategies requires providing effective guidance to employers, including strong accountability and enforcement measures, and investment in an effective pipeline of targeted workers. This career pipeline is an essential step to ensure that community members are able to take advantage of the job opportunities created.

Other essential efforts for finding, screening, training, mentoring and supporting workers throughout the process are important for success. Labor standards can play an important part by ensuring that the jobs created are family-wage positions.

Priority hire can help to address challenges for individuals seeking access to training and jobs in construction industry and develop the skilled workforce that will be necessary for our region to continue to prosper.

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 newly indentured and graduated apprentices. 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 2016 reported by L&I for Washington State, including those who performed work on King County contracts.

L&I reports there were 12,110 active apprentices for the 12-month period ending December 31, 2016. Of this number, 1,064 are women and 17,778 are minorities. Table 3 below contains data reported by L&I for each quarter in 2016 on the number of registered and graduated apprentices.

Table 3 – Registered and Graduated Apprentices

	12-month Period Ending December 31, 2016								
	Data Reported by the Washington State Department of Labor and Industries								
	Period Registered Apprentices Graduated Apprentices								
Q1	(Jan – Mar '16)	1019	179						
Q2	(Apr – Jun '16)	1557	225						
Q3	(Jul – Sep '16)	1511	264						
Q4	(Oct – Dec '16)	896	101						

L&I for Washington State reports that the building and construction trade occupations continue to drive numbers in terms of total completions or journey level credentials issued.

APPENDIX A: GLOSSARY

ACRONYMS

AOP Apprenticeship Opportunities Project

AUP Apprentice Utilization Plan

AUR Apprentice Utilization Report

CITC Construction Industry Training Council

CSO Combined Sewer Overflow

DNRP Department of Natural Resources and Parks

DOT Department of Transportation

EDY Economically Disadvantaged Youth

FHWA Federal Highway Administration

FMD Facilities Management Division

MUR Monthly Utilization Report

PWD Persons with Disabilities

WSATC 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.

APPENDIX B: PROJECTS SUBJECT TO APPRENTICESHIP REQUIREMENTS IN 2016

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, 2016 through December 31, 2016.

In addition, each table reports data on the cumulative apprenticeship rate for each project as of December 31, 2016.

C00678C12 - Factoria Recycling and Transfer Station

Department Name: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount:

Execution Date: Type of Construction:

Apprenticeship Requirement: Apprenticeship Rate: 2016 Construction Completed: "Cumulative Apprenticeship Rate:

Natural Resources & Parks Solid Waste Division

Factoria Recycling and Transfer Station

C00678C12

PCL Construction Services, Inc. \$49,649,999

July 7, 2014 Construction

15.00% 16.35%

18.26%

New Factoria recycling and transfer station authorized by King County Ordinance 17830.

Apprentice Utilization by Trade/Craft

			Total				Apprenti	ice Hours	
	Total Labor	Total Journey	Apprentice	% of Total	Total#				
Trade	Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Acoustical Applicator	24.00	24.00	0.00	0.00%	0	0.00		0.00	
Asbestos Worker	33.00	33.00	0.00	0.00%	ŏ	0.00		0.00	
Brick Layer	111.00	63.00	48.00	43.24%	2	0.00	0.00%	0.00	0.00%
Bricklayer	7.00	7.00	0.00	0.00%	ō	0.00	-	0.00	-
Carpenter	5,614.50	4,468.40	1,146.10	20.41%	7	0.00	0.00%	678.60	59.21%
Carpet, Linoleum & Soft Tile Laus	34.00	34.00	0.00	0.00%	Ö	0.00		0.00	
Cement Mason	1,532.50	1,359.00	173.50	11.32%	4	0.00	0.00%	17.50	10.09%
Concrete Boom Pumper	26.90	26.90	0.00	0.00%	0	0.00		0.00	
Constr Equip Operator	1,192.50	0.00	1,192.50	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Finisher	2.00	0.00	2.00	100.00%	1	0.00	0.00%	2.00	100.00%
Drywall Installer/taper	739.00	739.00	0.00	0.00%	0	0.00		0.00	
Electrician	7,801.50	7,801.50	0.00	0.00%	0	0.00		0.00	
Electrician Tech (City of Seattle)	40.10	40.10	0.00	0.00%	0	0.00		0.00	
Equipment Operator	7,079.75	7,079.75	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	19.50	19.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	689.50	689.50	0.00	0.00%	0	0.00		0.00	
Glaziers	885.50	885.50	0.00	0.00%	0	0.00	-	0.00	
HVAC (Sheet Metal) Worker	751.90	751.90	0.00	0.00%	0	0.00		0.00	
HVAC Service Tech	74.50	0.00	74.50	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	1,628.00	0.00	1,628.00	100.00%	9	0.00	0.00%	120.00	7.37%
Insulation (Heat and Frost) Work	559.00	559.00	0.00	0.00%	0	0.00	-	0.00	
Insulation Worker	123.00	123.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	846.50	846.50	0.00	0.00%	0	0.00		0.00	
Ironworker	421.50	0.00	421.50	100.00%	3	0.00	0.00%	301.00	71.41%
Laborer	9,241.65	7,251.65	1,990.00	21.53%	13	32.00	1.61%	368.00	18.49%
Lathing Acoustical Drywall Syste	4.00	0.00	4.00	100.00%	1	0.00	0.00%	4.00	
Limited Energy/Sound & Comm	5.50	0.00	5.50	100.00%	1	5.50	100.00%	5.50	100.00%
Low Energy/Sound & Comm	93.00	0.00	93.00	100.00%	1	0.00	0.00%	0.00	0.00%
Marine/Industrial/Coating and Lin	268.00	0.00	268.00	100.00%	1	0.00	0.00%	268.00	100.00%
Millwright	937.05	937.05	0.00	0.00%	0	0.00	-	0.00	•
Other Trade	841.00	841.00	0.00	0.00%	0	0.00	-	0.00	•
Painter	2,156.50	2,156.50	0.00	0.00%	0	0.00	0.00*/	0.00	0.00*/
Painter and Decorator	52.50 9.00	0.00 9.00	52.50 0.00	100.00%	1 0	0.00	0.00%	0.00	0.00%
Pipe fitter	224.00	224.00	0.00	0.00% 0.00%	0	0.00 0.00	•	0.00 0.00	
Pipefitter Pipefitters	475.00	224.00 0.00	475.00	100.00%	1	0.00	0.00%	0.00	0.00%
Plumber	3,693,89	3,648.00	475.00 45.89	1.24%	- 1	0.00	0.00%	0.00	0.00%
Pointer/Cleaner/Caulker	22.50	3,646.00	45.65 22.50	100.00%	i	0.00	0.00%	22.50	100.00%
Roofer	2,737.30	2,737.30	0.00	0.00%	ó	0.00	0.00%	0.00	
Sheet Metal Worker	1.062.00	0.00	1.062.00	100.00%	8	0.50	0.05%	394.00	37.10%
Sprinkler Fitter	290.00	238.50	51.50	17.76%	3	0.00	0.00%	0.00	0.00%
Surveyor	132.50	132.50	0.00	0.00%	ŏ	0.00	0.00/4	0.00	0.007
Teamster/Truck driver	855.85	855.85	0.00	0.00%	ŏ	0.00		0.00	
Telecommunications Technician	266.30	266.30	0.00	0.00%	ŏ	0.00		0.00	
Tile/Terrazzo/Marble Finisher	81.00	7.00	74.00	91.36%	ĭ	0.00	0.00%	0.00	0.00%
Tilelayer	85.00	85.00	0.00	0.00%	ó	0.00		0.00	
Tilesetter	858.00	730.00	128.00	14.92%	Ĭ	0.00	0.00%	0.00	0.00%
Traffic control striper	99.90	99.90	0.00	0.00%	ó	0.00		0.00	
Truck Driver	71.50	71.50	0.00	0.00%	ō	0.00		0.00	-
Total	54,799.59	45,841.60	8,957.99	16.35%	62	38.00	0.42%	2,181.10	24.35%

[&]quot;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

C00762C14 - Fremont Siphon Replacement & Odor Control Facility

Department Name: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount: Execution Date:

Type of Construction: Apprenticeship Requirement: Apprenticeship Rate: 2016

construct the replacement to the existing Fremont Siphon and

Construction Completed: ***Cumulative Apprenticeship Rate:

construct a new odor control facility.

Natural Resources & Parks Wastewater Treatment Division Fremont Siphon Replacement & Odor Control Facility C00762C14 Stellar J Corporation \$21,722,000 January 15, 2015 Construction

15.00% 21.14%

17.20%

Apprentice Utilization by Trade/Craft

						**	. A	ce Hours	
							Apprenti	ce nours	
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
_					Аррісписсэ				
Carpenter	10,524.75	5,747.00	4,777.75	45.40%	/	0.00	0.00%	148.50	3.11%
Electrician	118.00	118.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	14,828.25	14,828.25	0.00	0.00%	0	0.00	-	0.00	-
Flagger	129.75	129.75	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	1,150.50	0.00	1,150.50	100.00%	1	0.00	0.00%	0.00	0.00%
Inside Wire-man	42.00	0.00	42.00	100.00%	3	0.00	0.00%	0.00	0.00%
Iron Worker	519.00	519.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	32.00	0.00	32.00	100.00%	3	0.00	0.00%	24.00	75.00%
Laborer	11,838.75	9,425.00	2,413.75	20.39%	7	0.00	0.00%	2,318.25	96.04%
Surveyor	101.50	101.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	531.50	531.50	0.00	0.00%	0	0.00	-	0.00	-
Total	39.816.00	31.400.00	8.416.00	21.14%	21	0.00	0.00%	2.490.75	29.60%

^{*}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

C00794C13 - Barton Combined Sewer Overflow Control Project

Department Name: Natural Resources & Parks
Division: Wastewater Treatment Division

Project Name: Barton Combined Sewer Overflow Control Project

 Contract Number:
 C00794C13

 Prime Contractor:
 Goodfellow Bros., Inc.

 Contract Award Amount:
 \$5,107,443

 Execution Date:
 October 1, 2013

 Type of Construction:
 Construction

Apprenticeship Requirement:
Apprenticeship Rate: 2016 100.00%
Construction Completed: 0.00%

***Cumulative Apprenticeship Rate: 8.50%

The purpose of this project is to intercept and infiltrate neighborhood stormwater runoff via Green Stormwater Infrastructure (GSI) before runoff reaches the combined sewer, thereby reducing Combined Sewer Overflow (CSO) events at the Barton pump station.

Apprentice Utilization by Trade/Craft

								*	*Apprenti	ce Hours	
	Trade		Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Laborer		Total	75.00 75.00	0.00 0.00	75.00 75.00	100.00% 100.00%	1 1		100.00% 100.00%		100.00% 100.00 %

^{*}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: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount: Execution Date:

Type of Construction:

C00807C13 Shimmick Construction Company, Inc \$26,115,000 September 26, 2013 Construction

Natural Resources & Parks Wastewater Treatment Division

Murray CSO Control Facility

Apprenticeship Requirement:
Apprenticeship Rate: 2016
Construction Completed:
***Cumulative Apprenticeship Rate:

 ment:
 15.00%

 Rate:
 2016

 pleted:
 0.00%

 ship Rate:
 15.28%

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

						*	*Apprenti	ce Hours	
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	7,895.50	6,955.00	940.50	11.91%	2	0.00	0.00%	940.50	100.00%
Carpenter, Piledriver	215.00	0.00	215.00	100.00%	1	0.00	0.00%	0.00	0.00%
Cement Mason	1,985.00	1,985.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Lineman	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	235.00	235.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	9,383.00	9,003.00	380.00	4.05%	2	0.00	0.00%	206.00	54.21%
Equipment Operator	1,232.60	1,232.60	0.00	0.00%	0	0.00	-	0.00	-
Hoisting Engineers	486.50	0.00	486.50	100.00%	1	486.50	100.00%	0.00	0.00%
HVAC (Sheet Metal) Worker	686.00	686.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	2,928.00	0.00	2,928.00	100.00%	3	0.00	0.00%	0.00	0.00%
Iron Worker	1,015.50	1,015.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	336.00	0.00	336.00	100.00%	1	0.00	0.00%	336.00	100.00%
Laborer	14,224.00	13,292.00	932.00	6.55%	2	0.00	0.00%	932.00	100.00%
Lathing Acoustical Drywall System	38.00	0.00	38.00	100.00%	1	0.00	0.00%	0.00	0.00%
Operator	5,177.00	5,177.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	14.30	14.30	0.00	0.00%	0	0.00	-	0.00	-
Painter	588.00	588.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	141.00	0.00	141.00	100.00%	3	117.00	82.98%	117.00	82.98%
Plumber	3,142.00	2,129.00	1,013.00	32.24%	5	0.00	0.00%	0.00	0.00%
Roofer	1,092.00	842.00	250.00	22.89%	6	0.00	0.00%	213.00	85.20%
Sheet Metal Worker	363.00	324.00	39.00	10.74%	1	0.00	0.00%	39.00	100.00%
Sprinkler Fitter	46.00	46.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	787.40	787.40	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	342.60	342.60	0.00	0.00%	0	0.00	-	0.00	-
Total	52,361.40	44,654.40	7,707.00	14.72%	29	603.50	7.83%	2,783.50	36.12%

^{*}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

C00822C13 - South Magnolia CSO Control Project Storage Facility

Department Name: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount: Execution Date:

Type of Construction:

Natural Resources & Parks Wastewater Treatment Division South Magnolia CSO Control Project Storage Facility C00822C13 Stellar J Corporation \$12,516,600 November 20, 2013 Construction

Apprenticeship Requirement: Apprenticeship Rate: 2016 Construction Completed: ***Cumulative Apprenticeship Rate:

15.00% 10.62% 0.00% 16.91%

This project is to construct a CSO storage facility.

Apprentice Utilization by Trade/Craft

						*	*Apprention	ce Hours	
		Total Journey	Total Apprentice	% of Total	Total#				
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Asbestos Worker	18.00	0.00	18.00	100.00%	2	0.00	0.00%	16.00	88.89%
Carpenter	673.30	526.30	147.00	21.83%	2	0.00	0.00%	0.00	0.00%
Cement Mason	103.00	103.00	0.00	0.00%	0	0.00	-	0.00	-
Concrete Boom Pumper	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Construction Electrician	5.50	0.00	5.50	100.00%	1	5.50	100.00%	5.50	100.00%
Equipment Operator	268.00	268.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	2,258.00	2,258.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation (Heat and Frost) Worker	72.00	72.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,507.00	1,001.50	505.50	33.54%	4	0.00	0.00%	206.00	40.75%
Landscaper	955.00	955.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	21.00	21.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	178.00	178.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	4.80	4.80	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	16.00	16.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	264.00	264.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	12.45	12.45	0.00 _	0.00%	0	0.00	-	0.00	-
Total	6,364.05	5,688.05	676.00	10.62%	9	5.50	0.81%	227.50	33.65%

^{**}Wours 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

C00823C13 - South Magnolia CSO Control Conveyance Pipeline

Department Name:

Division:

Project Name:

Contract Number:

Prime Contractor:

Contract Award Amount:

Type of Construction:

Execution Date:

Apprenticeship Requirement: Apprenticeship Rate: 2016

Construction Completed: ***Cumulative Apprenticeship Rate: Natural Resources & Parks Wastewater Treatment Division

South Magnolia CSO Control Conveyance Pipeline

C00823C13

Walsh Construction Co II LLC

\$10,300,000 April 10, 2014 Construction

5.00% 6.54%

5.37%

South Magnolia CSO Control Conveyance Pipeline, Bid Schedule B - HDD Option

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Electrician	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	13.00	0.00	13.00	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	996.00	862.50	133.50	13.40%	2	0.00	0.00%	16.00	11.99%
Operator	1,053.75	1,053.75	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	174.75	174.75	0.00	0.00%	0	0.00	-	0.00	-
Total	2,240.50	2,094.00	146.50	6.54%	4	0.00	0.00%	16.00	10.92%

^{**}Wours 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

C00829C14 - North Creek Interceptor Sewer Improvement Project

Department Name: Natural Resources & Parks Division: Wastewater Treatment Division

Project Name: North Creek Interceptor Sewer Improvement Project

Contract Number: C00829C14 Prime Contractor: Frank Coluccio Construction, Inc.

Contract Award Amount: \$29,933,000 Execution Date: January 13, 2015 Type of Construction: Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 13.77% Construction Completed: ***Cumulative Apprenticeship Rate: 14.44%

The project includes construction of approximately 10,000 feet of new sewer line, along with connecting this new line to previously constructed pipe.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
		Total Journey	Total Apprentice	% of Total	Total#				
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Carpenter	321.00	321.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	2,146.50	0.00	2,146.50	100.00%	3	0.00	0.00%	0.00	0.00%
Electrician	2,079.50	2,079.50	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	22,638.00	22,638.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	2,431.00	2,431.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	44.00	0.00	44.00	100.00%	1	0.00	0.00%	44.00	100.00%
Laborer	45,376.00	34,042.50	11,333.50	24.98%	22	4,141.50	36.54%	3,354.00	29.59%
Operator	14,330.00	14,330.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	148.00	148.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	1,910.00	1,910.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	1,876.30	1,876.30	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	3,086.60	3,086.60	0.00	0.00%	0	0.00	-	0.00	-
Traffic control striper	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	1,820.50	1,820.50	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	20.80	20.80	0.00	0.00%	0	0.00	-	0.00	-
Total	98,238.20	84,714.20	13,524.00	13.77%	26	4,141.50	30.62%	3,398.00	25.13%

^{*}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

C00834C13 - North Beach CSO Control Project

Department Name: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount: Execution Date: Type of Construction:

Natural Resources & Parks Wastewater Treatment Division North Beach CSO Control Project C00834C13 Stellar J Corporation \$9,662,000 December 5, 2013 Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 14.61% Construction Completed: 0.00% ***Cumulative Apprenticeship Rate: 16.12%

This project is to construct a CSO storage tank with pumping facilities and connection to the existing North Beach Pump Station.

Apprentice Utilization by Trade/Craft

						**	Apprent	ice Hours	
		Total Journey	Total Apprentice	% of Total	Total#				
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Carpenter	1,245.55	742.55	503.00	40.38%	2	0.00	0.00%	377.50	75.05%
Concrete Boom Pumper	121.85	121.85	0.00	0.00%	0	0.00	-	0.00	-
Electrician	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Electronic Systems Technician	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	765.00	765.00	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	29.35	29.35	0.00	0.00%	0	0.00	-	0.00	-
Flagger	270.00	270.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	89.40	0.00	89.40	100.00%	6	0.00	0.00%	9.00	10.07%
Insulation Worker	8.50	8.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	8.00	0.00	8.00	100.00%	1	0.00	0.00%	8.00	100.00%
Irrigation Pump Installer	27.50	27.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	558.25	532.75	25.50	4.57%	2	0.00	0.00%	15.50	60.78%
Landscaper	26.50	26.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	9.50	9.50	0.00	0.00%	0	0.00	-	0.00	-
Plumber	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	464.50	438.00	26.50	5.71%	1	0.00	0.00%	26.50	100.00%
Surveyor	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	6.50	6.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	739.83	739.83	0.00	0.00%	0	0.00	-	0.00	-
Well-drill operator	46.50	46.50	0.00	0.00%	0	0.00	-	0.00	-
Total	4,465.73	3,813.33	652.40	14.61%	12	0.00	0.00%	436.50	66.91%

^{*}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

C00837C13 - North Creek Force Main Condition Assessment

Department Name:

Division:

Project Name:

Contract Number:

Prime Contractor: Contract Award Amount:

Execution Date: Type of Construction:

Apprenticeship Requirement: Apprenticeship Rate: 2016

Construction Completed: ***Cumulative Apprenticeship Rate: Natural Resources & Parks

Wastewater Treatment Division

North Creek Force Main Condition Assessment

C00837C13 Stellar J Corporation \$1,448,600

May 18, 2015 Construction

5.00% 10.24%

13.14%

Construction of access to two (2) existing parallel 30-inch diameter epoxy-lined mortar-coated steel pipelines at seven (7) locations, and closed circuit television (CCTV) inspection from these locations.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	516.50	307.50	209.00	40.46%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	1,003.75	1,003.75	0.00	0.00%	0	0.00	-	0.00	-
Flagger	17.25	17.25	0.00	0.00%	0	0.00	-	0.00	-
Laborer	2,209.00	2,006.00	203.00	9.19%	3	0.00	0.00%	160.00	78.82%
Other Trade	173.00	173.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	86.50	86.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	11.00	11.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	6.30	6.30	0.00	0.00%	0	0.00	-	0.00	-
Total	4,023.30	3,611.30	412.00	10.24%	4	0.00	0.00%	160.00	38.83%

^{*}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

C00853C13 - King County Correctional Facility HVAC Equipment Replacement

Department Name:

Executive Services Facilities Management Division Division:

Project Name: King County Correctional Facility HVAC Equipment Replacement

Contract Number: C00853C13 Prime Contractor: Shinn Mechanical, Inc. Contract Award Amount: \$6,120,400 Execution Date: March 3, 2014 Type of Construction: Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 10.94% Construction Completed: ***Cumulative Apprenticeship Rate: 22.56%

KC Correctional Facility HVAC Equipment Replacement. Funding sources include KC Major Maintenance Reserve Funds and \$3 million federal QECB (energy savings bond) funds.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Asbestos Worker	94.00	0.00	94.00	100.00%	3	0.00	0.00%	0.00	0.00%
Carpenter	208.00	174.00	34.00	16.35%	1	0.00	0.00%	0.00	0.00%
Electrician	162.50	162.50	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	553.00	553.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	78.00	0.00	78.00	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Work	185.00	185.00	0.00	0.00%	0	0.00	_	0.00	-
Laborer	130.00	130.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	477.00	477.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	141.50	141.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	18.00	0.00	18.00	100.00%	1	0.00	0.00%	0.00	0.00%
Total	2,047.00	1,823.00	224.00	10.94%	6	0.00	0.00%	0.00	0.00%

^{*}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

C00862C14 - South Treatment Plant Raw Sewage Pumps & Drives Replacement

Natural Resources & Parks Division: Wastewater Treatment Division

Project Name: South Treatment Plant Raw Sewage Pumps & Drives Replacement

Contract Number: C00862C14 Prime Contractor: Harbor Pacific Contractors Inc

Contract Award Amount: \$9,108,000 Execution Date: August 28, 2014 Type of Construction: Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 18.75% Construction Completed: ***Cumulative Apprenticeship Rate: 16.15%

The purpose of this project is to upgrade three of the six raw sewage pumps; replace the clutches with VFD's; upgrade the building HVAC system, replace switchgear 137*036 which provides power to the Administration, Maintenance and Influent buildings; replace wiring and cable; add control instrumentation as shown on the drawings

Apprentice Utilization by Trade/Craft

						**	Apprenti	ice Hours	
		Total Journey	Total Apprentice	% of Total	Total#				
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Carpenter	158.00	158.00	0.00	0.00%	0	0.00	-	0.00	-
Electric Lineman	120.00	120.00	0.00	0.00%	0	0.00	-	0.00	-
Electrician	4,980.00	4,980.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	84.00	84.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	13.00	13.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	1,277.00	0.00	1,277.00	100.00%	1	0.00	0.00%	0.00	0.00%
Insulation (Heat and Frost) Worker	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	2,422.75	2,422.75	0.00	0.00%	0	0.00	-	0.00	-
Marine/Industrial/Coating and Linin	56.50	0.00	56.50	100.00%	1	0.00	0.00%	0.00	0.00%
Millwright	1,653.00	868.00	785.00	47.49%	3	0.00	0.00%	0.00	0.00%
Painter	150.00	150.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	15.00	0.00	15.00	100.00%	1	0.00	0.00%	0.00	0.00%
Plumber	210.00	210.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	209.45	209.45	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	21.25	21.25	0.00	0.00%	0	0.00	-	0.00	-
Total	11,377.95	9,244.45	2,133.50	18.75%	6	0.00	0.00%	0.00	0.00%

^{*}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

C00884C14 – STP Digesters, 2, 3, & Roof Equipment Replacement & Coating Department Name: Natural Resources & Parks

Division:

Project Name: Contract Number: Prime Contractor:

Execution Date:

Contract Award Amount: Type of Construction: Apprenticeship Requirement:

Apprenticeship Rate: 2016

Construction Completed: ***Cumulative Apprenticeship Rate: Wastewater Treatment Division

STP Digesters 2, 3, & 4 Roof Equip Replacement & Coating

C00884C14 Shinn Mechanical, Inc. \$2,787,480

June 10, 2014 Construction

3.00% 14.00% 10.31%

South Treatment Plant Digester Roof Equipment Replacement & Coating

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	1,566.50	1,503.50	63.00	4.02%	2	0.00	0.00%	35.00	55.56%
Carpenter, Scaffold Erector	678.00	0.00	678.00	100.00%	5	0.00	0.00%	0.00	0.00%
Electrician	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	50.00	50.00	0.00	0.00%	0	0.00	-	0.00	-
Painter	3,248.50	3,248.50	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	3.00	3.00	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	410.50	410.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitters	235.00	0.00	235.00	100.00%	6	0.00	0.00%	5.50	2.34%
Plumber	749.00	749.00	0.00	0.00%	0	0.00	-	0.00	-
Total	6,972.50	5,996.50	976.00	14.00%	13	0.00	0.00%	40.50	4.15%

^{*}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

C00893C14 – WPTP Control System Replacement EPS, Chlorination, Water Reuse, Incineration & Solid Building

Department Name: Natural Resources & Parks
Division: Wastewater Treatment Division

Project Name: WPTP Control System Replacement EPS, Chlorination, Water Reuse, Incineration & Solid Building

Contract Number: C00893C14

Prime Contractor: Valley Electric Company

 Contract Award Amount:
 \$1,779,677

 Execution Date:
 June 25, 2015

 Type of Construction:
 Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2016 25.25%
Construction Completed:
***Cumulative Apprenticeship Rate: 21.18%

Install new Owner-furnished Ovation control system panels in the Solids Building area and Owner-furnished Ovation control component sub-panels and components inside of Liquids panels in the EPS Control Room, Chlorine Building, Water Reuse, North Chlorine Mix Structure areas and Solids Odor Control. Install Operator Shelter and HMI panel in the Water Reuse area and temporary field panels in the Chlorine Mix Structure areas. Cut over the control loops for processes in the EPS, Dechlorination, Hypochlorite, Water Reuse, Incinerator, Solids Thickening, Dewatering, Polymer handling and Truck loading areas to remove connection from the old PLCs and connect the new Ovation I/O. Demolish all abandoned control equipment and wire.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Electrician	2,605.00	2,605.00	0.00	0.00%	0	0.00	-	0.00	-
Fire Fighter	84.00	0.00	84.00	100.00%	1	0.00	0.00%	0.00	0.00%
HVAC (Sheet Metal) Worker	69.00	69.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	613.50	0.00	613.50	100.00%	2	0.00	0.00%	0.00	0.00%
Ironworker	135.00	0.00	135.00	100.00%	1	0.00	0.00%	135.00	100.00%
Laborer	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Limited Energy/Sound & Comm Te	8.00	0.00	8.00	100.00%	1	8.00	100.00%	0.00	0.00%
Low Energy/Sound & Comm	64.50	0.00	64.50	100.00%	2	0.00	0.00%	0.00	0.00%
Low Energy/Sound & Comm Tech	5.50	0.00	5.50	100.00%	1	0.00	0.00%	0.00	0.00%
Telecommunications Technician	9.00	9.00	0.00 _	0.00%	0	0.00	-	0.00	-
Total	3,605.50	2,695.00	910.50	25.25%	8	8.00	0.88%	135.00	14.83%

^{*}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

C00894C14 - Ryerson Base Lift Replacement

Department Name: Division: Transit Division

Project Name: Ryerson Base Lift Replacement

Contract Number: C00894C14 Prime Contractor: McClure and Sons Inc. Contract Award Amount: \$4,190,000 Execution Date: September 28, 2014 Type of Construction: Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 11.48% Construction Completed: ***Cumulative Apprenticeship Rate: 15.52%

Temporary Facilities; Demolition; Vaults; Lifts; Floor and Wall Coatings; Electrical

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	4,258.00	4,258.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	729.50	0.00	729.50	100.00%	1	729.50	100.00%	0.00	0.00%
Electrician	41.00	41.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	150.00	150.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	30.50	0.00	30.50	100.00%	2	0.00	0.00%	0.00	0.00%
Iron Worker	89.00	89.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	569.50	441.00	128.50	22.56%	3	0.00	0.00%	0.00	0.00%
Laborer	355.50	355.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	1,219.25	1,219.25	0.00	0.00%	0	0.00	-	0.00	-
Pipe fitter	295.00	295.00	0.00	0.00%	0	0.00	-	0.00	-
Total	7,737.25	6,848.75	888.50	11.48%	6	729.50	82.10%	0.00	0.00%

^{*}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

C00918C14 – 2014 Countywide Hot Mix Asphalt Overlay Department Name: Transportation

Road Services Division

Division: Project Name:

Execution Date:

Type of Construction:

2014 Countywide Hot Mix Asphalt Overlay

Contract Number: Prime Contractor: Contract Award Amount: C00918C14 Miles Resources, LLC \$4,881,352 August 7, 2014

Apprenticeship Requirement: Apprenticeship Rate: 2016 Construction Completed:

***Cumulative Apprenticeship Rate:

5.00% 15.81%

Construction

6.71%

provides for the improvement of 16.75 miles of roadway in King County by planning bituminous surfaces, removing raised pavement markers and plastic traffic

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Constr Equip Operator	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	64.40	64.40	0.00	0.00%	0	0.00	-	0.00	-
Laborer	32.50	0.00	32.50	100.00%	2	0.00	0.00%	32.50	100.00%
Truck Driver	151.25	151.25	0.00 _	0.00%	0	0.00	-	0.00	-
Total	256.15	215.65	40.50	15.81%	3	0.00	0.00%	32.50	80.25%

^{*}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

C00946C15 - Rainier Valley Wet Weather Storage Facility

Department Name:

Division: Project Name:

Contract Number:

Prime Contractor:

Contract Award Amount: Execution Date:

Type of Construction:

Apprenticeship Requirement: Apprenticeship Rate: 2016

Construction Completed: ***Cumulative Apprenticeship Rate: Natural Resources & Parks Wastewater Treatment Division

Rainier Valley Wet Weather Storage Project

C00946C15

James W Fowler Company

\$17,344,625 April 4, 2016 Construction

15.00% 15.74% 15.26%

reduce overflows at two King County Combined Sewer Overflow structures (Bayview North and Hanford@Rainier) to one overflow per year on a 20 year average

Apprentice Utilization by Trade/Craft

						**	'Apprent	ice Hours	
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Trade		356.50		0.00%	Applefilices 0	0.00			70
Carpenter	356.50		0.00		2		-	0.00	- 04.000/
Carpenter, Piledriver	290.50	0.00	290.50	100.00%		0.00	0.00%	72.50	24.96%
Concrete Boom Pumper	30.10	30.10	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	1,951.50	0.00	1,951.50	100.00%	2	0.00	0.00%	0.00	0.00%
Construction Electrician	15.00	0.00	15.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	127.00	127.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	4,399.50	4,399.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	320.50	320.50	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	28.00	0.00	28.00	100.00%	2	0.00	0.00%	20.00	71.43%
Iron Worker	22.50	22.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	17.50	17.50	0.00	0.00%	0	0.00	-	0.00	-
Irrigation Pump Installer	312.50	312.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	7,258.60	6,420.60	838.00	11.54%	7	207.50	24.76%	626.00	74.70%
Operator	2,133.50	2,133.50	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	28.00	28.00	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	573.50	573.50	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	329.50	329.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,484.00	1,484.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	20.50	20.50	0.00	0.00%	0	0.00	_	0.00	-
Well-drill operator	146.00	146.00	0.00	0.00%	0	0.00	-	0.00	-
Total	19,844.70	16,721.70	3,123.00	15.74%	14	207.50	6.64%	718.50	23.01%

^{*}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

C00948C15 – Eastside Interceptor Section 13 Rehabilitation Phase 1

Department Name:

Division:

Project Name:

Contract Number:

Prime Contractor:

Contract Award Amount: Execution Date:

Type of Construction:

Natural Resources & Parks Wastewater Treatment Division

Eastside Interceptor Section 13 Rehabilitation Phase 1

C00948C15

Frank Coluccio Construction, Inc.

\$3,232,793

November 12, 2015

Construction

Apprenticeship Requirement: Apprenticeship Rate: 2016

Construction Completed: ***Cumulative Apprenticeship Rate: 8.09% 7.99%

5.00%

Rehabilitate corroded concrete sewer pipe by installing segmental HDPE or FRPM slip-lining

Apprentice Utilization by Trade/Craft

						*	*Apprenti	ce Hours	
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	446.00	446.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	10.00	0.00	10.00	100.00%	1	0.00	0.00%	0.00	0.00%
Electrician	132.00	132.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,076.80	1,076.80	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	83.00	0.00	83.00	100.00%	2	0.00	0.00%	8.00	9.64%
Laborer	6,192.10	5,060.60	1,131.50	18.27%	2	1,123.50	99.29%	0.00	0.00%
Operator	4,045.00	4,045.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	86.80	86.80	0.00	0.00%	0	0.00	-	0.00	-
Painter	479.00	479.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	368.00	368.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	759.50	759.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	1,232.30	1,232.30	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	223.70	223.70	0.00	0.00%	0	0.00	-	0.00	-
Total	15,134.20	13,909.70	1,224.50	8.09%	5	1,123.50	91.75%	8.00	0.65%

^{*}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

C00951C15 – 63rd PS VFDs and Control Instrumentation Improvement

Department Name: Natural Resources & Parks Division: Wastewater Treatment Division

Project Name: 63rd PS VFD's and Control Instrumentation Improvements

Contract Number: C00951C15 Prime Contractor: Elcon Corporation Contract Award Amount: \$1,728,000 Execution Date: August 25, 2015 Type of Construction: Construction

Apprenticeship Requirement: 10.00% Apprenticeship Rate: 2016 19.88% Construction Completed: ***Cumulative Apprenticeship Rate: 20.27%

The Work at the 63rd Ave Pump Station includes, but is not limited to: Demolition of existing equipment (Mechanical, Electrical and Instrumentation & Control); Upgrade of Electrical and I&C systems at the pump station; Installation of a new access hatch, replacement of an existing hatch, and minor modifications to the roof of the structure.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	366.00	366.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	89.50	89.50	0.00	0.00%	0	0.00	_	0.00	_
Electrician	3.348.00	3.348.00	0.00	0.00%	0	0.00	_	0.00	_
Inside Wire-man	1,141.00	0.00	1,141.00	100.00%	6	128.50	11.26%	80.00	7.01%
Iron Worker	114.50	114.50	0.00	0.00%	0	0.00	-	0.00	-
Laborer	42.00	42.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	159.50	159.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	462.50	462.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	2.00	2.00	0.00	0.00%	0	0.00	-	0.00	-
Total	5,740.00	4,599.00	1,141.00	19.88%	6	128.50	11.26%	80.00	7.01%

^{*}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

C00958C15 – Cedar Hills Regional Landfill Area 7 Stage 2 Closure and South Solid Waste Excavation

Department Name: Natural Resources & Parks
Division: Solid Waste Division

Project Name: Cedar Hills Regional Landfill Area 7 Stage 2 Closure and South Solid Waste Excavation

 Contract Number:
 C00958C15

 Prime Contractor:
 Goodfellow Bros., Inc.

 Contract Award Amount:
 \$11,203,090

 Execution Date:
 May 8, 2015

 Type of Construction:
 Construction

Apprenticeship Requirement: 10.00%
Apprenticeship Rate: 2016 26.47%
Construction Completed:
***Cumulative Apprenticeship Rate: 15.83%

The construction project consists of two integrated sites adjacent to one another at the Cedar Hills Regional Landfill. They will be managed under two schedules within the contract. Schedule A - Area 7 stage 2 closure major items of work include; grading 7.2 acres of slope face, placing 3.1 acres of GCL liner with a soil cover, 4.1 acres of LDPE liner, HDPE gas collection lines and drainage facilities. Schedule B - South Solid Waste Area excavation major items of work includes – excavation of 700,000 CY of refuse and soil as measured in place (material will be disposed of onsite), demolition of 1200 feet of 30 foot wide asphalt road along with fiber optic and water utility pipelines, and construction of 4000 feet of 30 foot wide asphalt road and construction of fiber optic and water 8 inch water utilities

Apprentice Utilization by Trade/Craft

						**Apprentice Hours				
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%	
Constr Equip Operator	349.20	0.00	349.20	100.00%	3	0.00	0.00%	331.20	94.85%	
Equipment Operator	637.50	637.50	0.00	0.00%	0	0.00	-	0.00	-	
Laborer	524.50	524.50	0.00	0.00%	0	0.00	-	0.00	-	
Plasterer	77.00	0.00	77.00	100.00%	1	0.00	0.00%	0.00	0.00%	
Teamster/Truck driver	22.00	22.00	0.00	0.00%	0	0.00	-	0.00	-	
Total	1,610.20	1,184.00	426.20	26.47%	4	0.00	0.00%	331.20	77.71%	

^{*}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

C00971C15 - Construction of Aircraft Rescue Firefighting Facility Rebid

Department Name: Transp

Division: King County International Airport

Project Name: Construction of Aircraft Rescue Firefighting Facility - Rebid

Contract Number: C00971C15
Prime Contractor: Pease Construction, Inc.

 Contract Award Amount:
 \$4,536,165

 Execution Date:
 July 30, 2015

 Type of Construction:
 Construction

Apprenticeship Requirement: 15.00%
Apprenticeship Rate: 2016 18.13%
Construction Completed: ****Cumulative Apprenticeship Rate: 19.22%

The project involves the demolition and construction of a new Airport Rescue and Firefighting Facility at King County International Airport at Boeing Field.

Apprentice Utilization by Trade/Craft

						rk:	*Apprenti	ce Hours	
		Total Journey	Total Apprentice	% of Total	Total#				
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Acoustical Applicator	104.50	104.50	0.00	0.00%	0	0.00	-	0.00	-
Brick Layer	110.50	43.00	67.50	61.09%	1	0.00	0.00%	0.00	0.00%
Bricklayer	424.50	424.50	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	4,365.53	3,064.53	1,301.00	29.80%	3	0.00	0.00%	0.00	0.00%
Carpet, Linoleum & Soft Floor Laye	12.00	12.00	0.00	0.00%	0	0.00	-	0.00	-
Carpet, Linoleum & Soft Tile Layer	166.50	166.50	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	248.50	240.50	8.00	3.22%	1	0.00	0.00%	0.00	0.00%
Commercial Glazier	104.50	0.00	104.50	100.00%	2	0.00	0.00%	0.00	0.00%
Concrete Boom Pumper	14.10	14.10	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	56.00	0.00	56.00	100.00%	1	0.00	0.00%	0.00	0.00%
Drywall Installer/taper	1,703.50	1,703.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	1,579.80	1,579.80	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	1,596.25	1,596.25	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	15.00	15.00	0.00	0.00%	0	0.00	-	0.00	-
Glazier	88.00	88.00	0.00	0.00%	0	0.00	-	0.00	-
Glaziers	494.00	494.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	1,194.25	1,194.25	0.00	0.00%	0	0.00	-	0.00	-
Inside Electrician	262.00	262.00	0.00	0.00%	0	0.00	-	0.00	-
Inside Wire-man	1,121.50	0.00	1,121.50	100.00%	4	497.00	44.32%	0.00	0.00%
Insulation Applicator	40.00	40.00	0.00	0.00%	0	0.00	-	0.00	-
Insulation Worker	128.00	128.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	1,028.25	1,028.25	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	352.75	65.25	287.50	81.50%	5	0.00	0.00%	191.50	66.61%
Laborer	937.75	763.75	174.00	18.56%	3	8.00	4.60%	42.00	24.14%
Landscaper	467.00	467.00	0.00	0.00%	0	0.00	-	0.00	-
Lathing Acoustical Drywall System	317.50	0.00	317.50	100.00%	4	0.00	0.00%	309.50	97.48%
Operator	1.00	1.00	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	4.50	4.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	1,019.50	1,019.50	0.00	0.00%	0	0.00	-	0.00	-
Plasterer	143.00	109.00	34.00	23.78%	1	0.00	0.00%	34.00	100.00%
Plumber	558.00	558.00	0.00	0.00%	0	0.00	-	0.00	-
Roofer	525.80	443.80	82.00	15.60%	2	0.00	0.00%	82.00	100.00%
Sheet Metal Worker	330.50	225.50	105.00	31.77%	3	0.00	0.00%	83.00	79.05%
Soft Floor Layer	37.00	37.00	0.00	0.00%	0	0.00	-	0.00	-
Sprinkler Fitter	184.50	184.50	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	117.50	117.50	0.00	0.00%	0	0.00	-	0.00	-
Telecommunications Technician	126.50	126.50	0.00	0.00%	0	0.00	-	0.00	-
Tile/Terrazzo/Marble Finisher	32.50	32.50	0.00	0.00%	0	0.00	-	0.00	-
Tilesetter	146.00	146.00	0.00	0.00%	0	0.00	-	0.00	-
Traffic control striper	7.50	7.50	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	14.75	14.75	0.00	0.00%	0	0.00		0.00	-
Total	20,180.73	16,522.23	3,658.50	18.13%	30	505.00	13.80%	742.00	20.28%

^{*}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

C00974C15 - Sinnema Quaale Upper Revetment Reconstruction

Department Name:

Division: Project Name:

Contract Number: Prime Contractor:

Contract Award Amount:

Execution Date: Type of Construction:

Apprenticeship Requirement:

Apprenticeship Rate: 2016 Construction Completed:

***Cumulative Apprenticeship Rate:

Natural Resources & Parks Water & Land Resources Division

Sinnema Quaale Upper Revetment Reconstruction

C00974C15 Scarsella Bros., Inc.

\$4,787,042 June 11, 2015

Construction

15.00%

18.89%

15.44%

Construction of the Sinnema Quaale Upper Revetment Reconstruction project

Apprentice Utilization by Trade/Craft

						**	Apprenti	ice Hours	
	Tatall about laws	Total Journey	Total Apprentice	% of Total	Total #	*14/	0/	N diidi	0/
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Carpenter	118.00	85.00	33.00	27.97%	2	0.00	0.00%	0.00	0.00%
Cement Mason	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	231.00	0.00	231.00	100.00%	3	0.00	0.00%	140.00	60.61%
Equipment Operator	2,304.40	2,304.40	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	84.50	84.50	0.00	0.00%	0	0.00	-	0.00	-
Flagger	43.00	43.00	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	851.50	0.00	851.50	100.00%	2	0.00	0.00%	0.00	0.00%
Laborer	1,208.45	1,112.70	95.75	7.92%	3	0.00	0.00%	77.75	81.20%
Landscaper	24.80	24.80	0.00	0.00%	0	0.00	-	0.00	-
Operator	66.00	66.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	114.00	114.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	927.60	927.60	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	6.80	6.80	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	393.30	393.30	0.00	0.00%	0	0.00	-	0.00	-
Total	6,412.35	5,201.10	1,211.25	18.89%	10	0.00	0.00%	217.75	17.98%

^{**}Wours 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

C00977C15 - Tokul Creek Trestle Rehabilitation Snoqualmie Valley Trail

Natural Resources & Parks Division: Parks & Recreation

Project Name: Tokul Creek Trestle Rehabilitation Snoqualmie Valley Trail

Contract Number: C00977C15 Prime Contractor: Massana Construction, Inc.

Contract Award Amount: \$1,695,504 Execution Date: August 6, 2015 Type of Construction: Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 19.52% Construction Completed: ***Cumulative Apprenticeship Rate: 17.83%

Bridge project includes the replacement of multiple structural timbers, addition of steel beams for increasing the load rating for existing concrete deck panels, and the addition of 7" concrete grade beams at six (6) foundation locations. An additional alternative will also be in place to paint the existing steel girder portion of the bridge. Work site: Snoqualmie Valley Trail, Tokul Creek. Washington.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
	T-1-11-1-11-11-11-11-11-11-11-11-11-11-1	Total Journey	Total Apprentice	% of Total	Total#	***	0.4	B.40 50	0/
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Carpenter	3,163.00	2,465.50	697.50	22.05%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	442.50	442.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	278.50	278.50	0.00	0.00%	0	0.00	-	0.00	-
Painter	743.00	743.00	0.00	0.00%	0	0.00	-	0.00	-
Painter and Decorator	260.00	0.00	260.00	100.00%	1	0.00	0.00%	0.00	0.00%
Truck Driver	10.00	10.00	0.00	0.00%	0	0.00	-	0.00	-
Total	4,906.00	3,948.50	957.50	19.52%	2	0.00	0.00%	0.00	0.00%

^{*}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

C00998C15 - EastBase O&M Roof Replacement Rebid

Division: Transit Division

Project Name: East Base O&M Roof Replacement REBID

Contract Number: C00998C15 Prime Contractor: V & R Sheet Metal, LLC

Contract Award Amount: \$2,122,202 August 21, 2015 Type of Construction: Construction

Apprenticeship Requirement: 15.00% Apprenticeship Rate: 2016 19.59% Construction Completed: ***Cumulative Apprenticeship Rate: 24.43%

Replace 61,500 square foot built-up system with a hot-mopped, modified built-up roof system with reflective gravel surfacing, and additional insulation. Work site: Metro Transit East Base 1975 124th Avenue Northeast, Bellevue, WA.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
	T-1-11-11-11-11-11-11-11-11-11-11-11-11-	Total Journey	Total Apprentice	% of Total	Total#	*187	0.4	8.4 7	0/
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Electrician	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	3.75	3.75	0.00	0.00%	0	0.00	-	0.00	-
Glazier	39.00	39.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	59.00	0.00	59.00	100.00%	1	0.00	0.00%	59.00	100.00%
Laborer	4.00	0.00	4.00	100.00%	1	0.00	0.00%	0.00	0.00%
Operator	44.50	44.50	0.00	0.00%	0	0.00	-	0.00	-
Pipefitter	10.50	10.50	0.00	0.00%	0	0.00	-	0.00	-
Roofer	4,729.50	3,871.50	858.00	18.14%	10	8.00	0.93%	573.00	66.78%
Scaffold Erector	9.00	9.00	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	144.00	71.00	73.00	50.69%	2	0.00	0.00%	0.00	0.00%
Total	5,075.25	4,081.25	994.00	19.59%	14	8.00	0.80%	632.00	63.58%

^{*}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

C01002C15 - PSERN Radio System Multi Site Improvement - Bid Package 1

Department Name: King County Information Technology

Division: Information Technology

Project Name: PSERN Radio System Multi Site Improvement - Bid Package 1

Contract Number: C01002C15 Prime Contractor: Mastec Network Solutions, Inc

Contract Award Amount: \$2,500,000 Execution Date: July 22, 2016 Type of Construction: Construction

Apprenticeship Requirement: 5.00% Apprenticeship Rate: 2016 5.79% Construction Completed: ***Cumulative Apprenticeship Rate: 5.80%

This solicitation is for construction at nine (9) radio sites as part of King County's new land mobile radio system for the Puget Sound Emergency Radio Network (PSERN).

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Electrician	654.00	654.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC (Sheet Metal) Worker	208.00	208.00	0.00	0.00%	0	0.00	-	0.00	-
HVAC Service Tech	84.50	0.00	84.50	100.00%	2	0.00	0.00%	0.00	0.00%
Ironworker	43.00	43.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	468.75	468.75	0.00	0.00%	0	0.00	-	0.00	-
Total	1,458.25	1,373.75	84.50	5.79%	2	0.00	0.00%	0.00	0.00%

^{*}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

C01018C15 - Chinook Wind Motel Demolition

Department Name: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount: Execution Date: Type of Construction:

Natural Resources & Parks Water & Land Resources Division Chinook Wind Motel Demolition C01018C15 Dickson Company \$910,692 January 5, 2016 Construction

Apprenticeship Requirement: 5.00% Apprenticeship Rate: 2016 9.80% Construction Completed: ***Cumulative Apprenticeship Rate: 9.80%

Work will include removal of site structures and improvements, cutting/capping of utilities, abatement of regulated materials, removal of concrete and asphalt paving, and

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Asbestos Worker	2,562.00	2,562.00	0.00	0.00%	0	0.00	-	0.00	-
Carpenter	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	258.00	258.00	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Equipment Mechanic	238.00	238.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,465.50	826.00	639.50	43.64%	3	0.00	0.00%	0.00	0.00%
Landscaper	7.00	7.00	0.00	0.00%	0	0.00	-	0.00	-
Medium/Heavy Diesel Mechanic	301.00	301.00	0.00	0.00%	0	0.00	-	0.00	-
Operator	785.00	785.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	900.50	900.50	0.00	0.00%	0	0.00	-	0.00	-
Total	6,523.00	5,883.50	639.50	9.80%	3	0.00	0.00%	0.00	0.00%

^{*}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

C01027C16 - CHRL Storm Water and CSW Ponds and LFG Pipeline

Department Name:

Division:

Project Name:

Contract Number:

Prime Contractor: Contract Award Amount:

Execution Date:

Type of Construction:

Apprenticeship Requirement: Apprenticeship Rate: 2016

Construction Completed: ***Cumulative Apprenticeship Rate: Natural Resources & Parks

Solid Waste Division

CHRL SW Stormwater and CSW Ponds and LFG Pipeline

C01027C16

Goodfellow Bros., Inc. \$11,679,839

June 10, 2016 Construction

15.00% 16.64%

16.17%

Southwest Stormwater and Contaminated Storm Water (CSW) Ponds includes approximately 650,000 cubic yards of excavation, 220,000 cubic yards of embankment, 10,000 lineal feet of 6 to 48 inch diameter pipe, 3,900 square yards of hot mix asphalt, and 9.5 acres of geomembrane liner. The Land Fill Gas (LFG) Pipeline includes approximately 10,300 feet of 30 inch High Density Polyethylene Pipe, blower station improvements, valves, and control system improvements.

Apprentice Utilization by Trade/Craft

							**Apprentice Hours			
Trade		Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Cement Mason		609.00	580.50	28.50	4.68%	2	0.00	0.00%	17.00	59.65%
Constr Equip Operator		4,215.50	0.00	4,215.50	100.00%	8	0.00	0.00%	1,344.50	31.89%
Electrician		197.00	197.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator		13,201.50	13,201.50	0.00	0.00%	0	0.00	_	0.00	-
Laborer		7,394.00	7,008.00	386.00	5.22%	2	0.00	0.00%	386.00	100.00%
Landscaper		1,194.50	1,194.50	0.00	0.00%	0	0.00	_	0.00	-
Teamster/Truck driver		820.10	820.10	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver		197.80	197.80	0.00	0.00%	0	0.00	_	0.00	-
To	otal	27,829.40	23,199.40	4,630.00	16.64%	12	0.00	0.00%	1,747.50	37.74%

^{*}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

C01028C16 - Transit Roof Repairs, Building Envelope & Waterproofing

Division: Transit Division

Project Name: Transit Roof Repairs, Building Envelope & Waterproofing 2016-2017

Contract Number: C01028C16 Prime Contractor: V & R Sheet Metal, LLC

Contract Award Amount: \$1,000,000 Execution Date: June 16, 2016 Type of Construction: Construction

Apprenticeship Requirement: 5.00% Apprenticeship Rate: 2016 32.05% Construction Completed:

***Cumulative Apprenticeship Rate: 30.64%

coating, caulking, cleaning, flashing, 3-coursing, seam and tear repair, window replacement, HVAC upgrades and skylight replacement on single ply, hot mopped, cold applied, modified bitumen, metal or coated roofs as well as concrete walls, floors, and metal fascia

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Accounts Payable Clerk	78.50	78.50	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	920.50	392.00	528.50	57.41%	7	42.00	7.95%	464.50	87.89%
Roofer	1,151.00	990.00	161.00	13.99%	9	16.50	10.25%	129.50	80.43%
Sheet Metal Worker	1.25	1.25	0.00	0.00%	0	0.00	-	0.00	-
Total	2,151.25	1,461.75	689.50	32.05%	16	58.50	8.48%	594.00	86.15%

^{*}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

C01032C16 – County Line Levee Setback

Department Name: Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount: Execution Date: Type of Construction:

Natural Resources & Parks Water & Land Resources Division Countyline Levee Setback C01032C16 Scarsella Bros., Inc. \$8,468,357 May 18, 2016 Construction

Apprenticeship Requirement: 12.00% Apprenticeship Rate: 2016 7.52% Construction Completed: ***Cumulative Apprenticeship Rate: 7.52%

The project consists of the installation of temporary sediment and erosion control measures, tree removal, clearing, timber pile installation, the construction of a setback levee and engineered logiams (ELJs), removal of an existing levee, site grading, and site preparation for revegetation (by others).

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
	T-1-11-11-11-11-11-11-11-11-11-11-11-11-	Total Journey	Total Apprentice	% of Total	Total #	*187	0.4	8.4 1	0/
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Constr Equip Operator	50.00	0.00	50.00	100.00%	1	0.00	0.00%	0.00	0.00%
Equipment Operator	4,564.35	4,564.35	0.00	0.00%	0	0.00	-	0.00	-
Heavy Duty Repair Mech	379.50	0.00	379.50	100.00%	1	0.00	0.00%	0.00	0.00%
Laborer	2,975.50	2,975.50	0.00	0.00%	0	0.00	-	0.00	-
Operator	40.50	40.50	0.00	0.00%	0	0.00	-	0.00	-
Pile Driver Operator	938.50	938.50	0.00	0.00%	0	0.00	-	0.00	-
Piledriver	558.50	0.00	558.50	100.00%	1	0.00	0.00%	0.00	0.00%
Surveyor	327.00	327.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster	2,782.00	2,782.00	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	935.95	935.95	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	33.50	0.00	33.50	100.00%	1	0.00	0.00%	33.50	100.00%
Total	13,585.30	12,563.80	1,021.50	7.52%	4	0.00	0.00%	33.50	3.28%

^{*}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

C01043C16 - Black River Pump Station Sediment Removal

Division: Project Name: Contract Number: Prime Contractor: Contract Award Amount:

Execution Date: Type of Construction:

Apprenticeship Rate: 2016 Construction Completed: ***Cumulative Apprenticeship Rate:

Natural Resources & Parks Water & Land Resources Division

Black River Pump Station Sediment Removal

C01043C16

Road Construction Northwest, Inc.

\$1,687,596 June 14, 2016 Construction

Apprenticeship Requirement: 15.00% 17.14% 17.13%

dredging, dewatering and removal of approximately 3,000 CY of fine sediment that has accumulated within the pump station's forebay since the pump station was built in the early 1970s.

Apprentice Utilization by Trade/Craft

						**Apprentice Hours				
		Total Journey	Total Apprentice	% of Total	Total#		••			
Trade	Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%	
Constr Equip Operator	233.00	0.00	233.00	100.00%	1	0.00	0.00%	233.00	100.00%	
Equipment Operator	8.00	8.00	0.00	0.00%	0	0.00	-	0.00	-	
Flagger	111.50	111.50	0.00	0.00%	0	0.00	-	0.00	-	
Hoisting Engineers	8.00	0.00	8.00	100.00%	1	0.00	0.00%	0.00	0.00%	
Laborer	2,534.00	2,120.50	413.50	16.32%	1	0.00	0.00%	0.00	0.00%	
Landscaper	215.50	215.50	0.00	0.00%	0	0.00	-	0.00	-	
Operator	117.00	117.00	0.00	0.00%	0	0.00	-	0.00	-	
Pipe fitter	135.50	135.50	0.00	0.00%	0	0.00	-	0.00	-	
Surveyor	8.50	8.50	0.00	0.00%	0	0.00	-	0.00	-	
Teamster/Truck driver	38.80	38.80	0.00	0.00%	0	0.00	-	0.00	-	
Truck Driver	409.50	409.50	0.00	0.00%	0	0.00	-	0.00	-	
Total	3.819.30	3.164.80	654.50	17.14%	3	0.00	0.00%	233.00	35.60%	

^{*}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

C01059C16 - Clough Creek Sediment Facility

Department Name: Division: Project Name: Contract Number: Prime Contractor:

Contract Award Amount: Execution Date: Type of Construction:

Apprenticeship Requirement: Apprenticeship Rate: 2016 Construction Completed: ***Cumulative Apprenticeship Rate:

Natural Resources & Parks Water & Land Resources Division Clough Creek Sediment Facility

C01059C16

IO Environmental & Infrastructure Inc.

\$720,575 August 2, 2016 Construction

15.00% 17.00% 16.84%

removing an existing residential building and associated appurtenances, excavation, grading, construction of a reinforced concrete weir, reinforced concrete pond inlet apron, gravity block wall, rock wall, interlocking block mat, cement concrete culvert installation, surfacing, paving with HMA, erosion control features

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	451.50	451.50	0.00	0.00%	0	0.00	-	0.00	-
Constr Equip Operator	811.00	351.00	460.00	56.72%	2	0.00	0.00%	0.00	0.00%
Construction Site Surveyor/Techr	20.00	20.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	691.50	691.50	0.00	0.00%	0	0.00	-	0.00	-
Fence Erector	24.00	24.00	0.00	0.00%	0	0.00	-	0.00	-
Flagger	59.75	59.75	0.00	0.00%	0	0.00	-	0.00	-
Laborer	626.00	626.00	0.00	0.00%	0	0.00	-	0.00	-
Surveyor	15.00	15.00	0.00	0.00%	0	0.00	_	0.00	_
Truck Driver	6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver Heavy Construction	1.25	1.25	0.00	0.00%	0	0.00	-	0.00	-
Total	2,706.00	2,246.00	460.00	17.00%	2	0.00	0.00%	0.00	0.00%

^{*}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

C01061C16 – County Wide Pavement Preservation

Department Name:

Division:

Project Name:

Contract Number: Prime Contractor:

Contract Award Amount: Execution Date:

Type of Construction:

Apprenticeship Requirement:

***Cumulative Apprenticeship Rate:

5.00% Apprenticeship Rate: 2016 4.74% Construction Completed: 4.74%

This project provides for the improvement of 31.89 miles of roadway in

Apprentice Utilization by Trade/Craft

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Cement Mason	160.00	136.00	24.00	15.00%	2	0.00	0.00%	24.00	100.00%
Constr Equip Operator	103.00	0.00	103.00	100.00%	2	51.50	50.00%	0.00	0.00%
Equipment Operator	438.00	438.00	0.00	0.00%	0	0.00	-	0.00	-
Laborer	1,147.25	1,131.25	16.00	1.39%	1	0.00	0.00%	0.00	0.00%
Operator	161.50	161.50	0.00	0.00%	0	0.00	-	0.00	-
Other Trade	11.80	11.80	0.00	0.00%	0	0.00	-	0.00	-
Teamster/Truck driver	30.00	30.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	963.17	963.17	0.00	0.00%	0	0.00	-	0.00	-
Total	3,014.72	2,871.72	143.00	4.74%	5	51.50	36.01%	24.00	16.78%

Road Services Division

C01061C16

\$6,933,884

July 29, 2016

Construction

ICON Materials

2016 Countywide Pavement Preservation

^{*}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

C01075C16 - Bellevue Base Roof Replacement

Department Name: Division: Transit Division

Project Name: Bellevue Base Roof Replacement

Contract Number: C01075C16

Prime Contractor: V & R Sheet Metal, LLC Contract Award Amount: \$812,817 Execution Date: November 1, 2016 Type of Construction: Construction

Apprenticeship Requirement: 10.00% Apprenticeship Rate: 2016 30.81% Construction Completed: ***Cumulative Apprenticeship Rate: 23.74%

Removal and replacement of approximately 17,450 square feet of existing built-up roofing systems with a new system providing R-38 insulation, 4 plies modified membrane and white reflective gravel.

Apprentice Utilization by Trade/Craft

							**Apprentice Hours			
			Total Journey	Total Apprentice	% of Total	Total#				
Trade		Total Labor Hours	Hours	Hours	Hours	Apprentices	*Women	%	Minorities	%
Electrician		6.00	6.00	0.00	0.00%	0	0.00	-	0.00	-
Ironworker		60.00	0.00	60.00	100.00%	1	0.00	0.00%	60.00	100.00%
Roofer		714.50	534.00	180.50	25.26%	6	0.00	0.00%	134.50	74.52%
	Total	780.50	540.00	240.50	30.81%	7	0.00	0.00%	194.50	80.87%

^{*}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) King County WPTP Dewatering Replacement

Department Name:

Division:

Project Name:

Contract Number:

Prime Contractor:

Contract Award Amount: Execution Date:

Type of Construction:

Apprenticeship Requirement:

Apprenticeship Rate: 2016

Natural Resources & Parks Wastewater Treatment Division

King County WPTP Dewatering Replacement

ESCO2011-263 G (1-1)

Johnson Controls

\$11,693,984 January 24, 2013

Construction

15.00%

14.62% Construction Completed: 10.00% ***Cumulative Apprenticeship Rate: 19.23%

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

						**Apprentice Hours			
Trade	Total Labor Hours	Total Journey Hours	Total Apprentice Hours	% of Total Hours	Total # Apprentices	*Women	%	Minorities	%
Carpenter	80.00	80.00	0.00	0.00%	0	0.00	-	0.00	-
Cement Mason	867.50	867.50	0.00	0.00%	0	0.00	-	0.00	-
Electrician	387.00	387.00	0.00	0.00%	0	0.00	-	0.00	-
Equipment Operator	107.00	107.00	0.00	0.00%	0	0.00	-	0.00	-
Iron Worker	999.50	999.50	0.00	0.00%	0	0.00	-	0.00	-
Ironworker	1,113.00	190.50	922.50	82.88%	4	281.50	30.51%	0.00	0.00%
Laborer	1,946.50	1,946.50	0.00	0.00%	0	0.00	-	0.00	-
Millwright	124.50	0.00	124.50	100.00%	1	0.00	0.00%	0.00	0.00%
Painter	158.00	158.00	0.00	0.00%	0	0.00	-	0.00	-
Plumber	1,061.25	1,061.25	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Service Tech	18.50	18.50	0.00	0.00%	0	0.00	-	0.00	-
Sheet Metal Worker	227.00	227.00	0.00	0.00%	0	0.00	-	0.00	-
Truck Driver	74.00	74.00	0.00	0.00%	0	0.00	-	0.00	-
Total	7,163.75	6,116.75	1,047.00	14.62%	5	281.50	26.89%	0.00	0.00%

^{*}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