









American Apprenticeship Initiative Bi-Annual Newsletter

Issue 2 - January 1, 2017 - June 30, 2017

Introduction: The American Apprenticeship Initiative (AAI) is well on its way to the second year of project implementation (Project dates: October 1, 2015-September 30, 2020). The Center has been grateful to have a wonderful group of agencies that continue to remain committed to the development and implementation of apprenticeship programs in our five transit occupations: Transit Coach Operator, Bus Maintenance, Rail Vehicle Maintenance, Signals Maintenance, and Transit Elevator-Escalator Maintenance. The Center is currently working with the following locations to develop and/or expand registered apprenticeship programs in the transit industry:

Agency	Union	Location	Occupation(s)	
Alameda Contra Costa Transit Authority (AC Transit)	ATU Local 192	Oakland, CA	Transit Coach Operator, Bus Maintenance	
AMTRAN (small, rural, and/or tribal)	ATU Local 801	Altoona, PA	Bus Maintenance	
CAMTRAN (small, rural, and/or tribal)	ATU Local 1279	Johnstown, PA	Bus Maintenance	
Aaron E. Henry, INC./DARTS (small, rural, and/or tribal)		Clarksdale, MS	Bus Maintenance	
Choctaw Regional Transportation & Maintenance Facility (small, rural, and/or tribal)		Choctaw, MS	Bus Maintenance	
Bay Area Rapid Transit (BART)	SEIU Local 1021	Oakland, CA	Transit Elevator-Escalator Maintenance	
Chicago Transit Authority (CTA)	IAM 701 ATU Local 241	Chicago, IL	Bus Maintenance	
Greater Cleveland Regional Transit Authority (GCRTA)	ATU Local 268	Cleveland, OH	Transit Coach Operator, Bus Maintenance, Rail Car Maintenance	
King County Department of Transportation	ATU Local 587	Seattle, WA	Bus Maintenance	
Los Angeles County Metropolitan Transportation Authority (LA Metro)	ATU Local 1277	Los Angeles, CA	Rail Car Maintenance	
Metropolitan Atlanta Rapid Transit Authority (MARTA)	ATU Local 732	Atlanta, GA	Bus Maintenance	
Massachusetts Bay Transportation Authority (MBTA)	ATU Local 589	Boston, MA	Rail Car Maintenance	
Maryland MTA	ATU Local 1300	Baltimore, MD	Transit Coach Operator	
Niagara Frontier Transportation Authority (NFTA)	ATU Local 1342	Buffalo, NY	Transit Coach Operator, Bus Maintenance, Signals Maintenance, Rail Vehicle Maintenance	

Agency	Union	Location	Occupation(s)	
New Jersey Transit (NJT)	ATU New Jersey State Council	New Jersey	Bus Maintenance*	
PATCO	Teamsters Local 676	Lindenwold, NJ	Rail Vehicle Maintenance, Signals Maintenance	
San Mateo County Transit District (Samtrans)	ATU Local 1574	San Carlos, CA	Transit Coach Operator, Bus Maintenance	
San Diego Metropolitan Transit System (MTS)	IBEW 465 PTEA	San Diego, CA	Bus Maintenance, Rail Vehicle Maintenance, Signals Maintenance	
Southeastern Pennsylvania Transportation Authority (SEPTA)	TWU Local 234	Philadelphia, PA	Bus Maintenance, Rail Vehicle Maintenance, Transit Elevator-Escalator	
San Francisco Municipal Transportation Authority (SF Muni)	IAM Local 1414 IBEW Local 6	San Francisco, CA	Bus Maintenance, Rail Vehicle Maintenance	
Transit Authority of River City (TARC)	ATU Local 1447	Louisville, KY	Transit Coach Operator, Bus Maintenance	
TriMet	ATU Local 757	Portland, OR	Signals Maintenance	
Twin Cities Metro Transit (Metro Transit)	ATU Local 1005	Minneapolis, MN	Bus Maintenance, Rail Vehicle Maintenance, Signals Maintenance, Transit Coach Operator*	
Utah Transit Authority (UTA)	ATU Local 382	Salt Lake City, UT	Bus Maintenance	
Valley Transit Authority (VTA)	ATU Local 265	San Jose, CA	Transit Coach Operator, Bus Maintenance	
Washington Metropolitan Area Transit Authority (WMATA)	ATU Local 689	Washington, DC	Transit Coach Operator, Transit Elevator-Escalator	

^{*}New occupations added after the initial commitment letter.

Here at VTA, our operators have had the benefit of an apprenticeship program for over a decade. Prior to its instillation, operators had no formal support system to help them after their initial training class ended. With our operator apprenticeship program, new operators are paired with the Mentors for the first year of employment. During this time, they are able to utilize the wisdom, tap into the experience, and gain trusted insight that wasn't possible before. This level of support has lowered absenteeism, boosted morale, and contributed to improving the customer service experience for our riders.



Maurice Beard Technical Training Supervisor Santa Clara Valley Transportation Authority

Scope of the Project

The scope of the AAI project is not only to develop ▲ or expand registered apprenticeship programs within the transit systems, it also includes technical assistance to ensure that these are quality apprenticeship programs with the needed support. Other related activities and deliverables of the AAI project include:

- Third-party intermediary to assist with facilitation of joint labor management committee, development of apprenticeship standards, and development of templates to be submitted to the Department of Labor or State Apprenticeship Councils
- Train the Trainer
- **Mentor Training**
- Apprenticeship college credit assessment, in partnership with the National College Credit **Recommendation Services**
- Development of Outreach and Recruitment Materials
- Development of Apprenticeship Readiness programs
- Development of curriculum to support

- apprenticeship programs including mentor training curriculum, foundation skills, apprenticeship readiness curriculum, and other curriculum materials as needed by participating committees
- Development of distance learning modules for bus maintenance occupations, in partnership with Community Transportation Association of America and Los Angeles Trade Technical College
- Women's Toolkit and technical assistance for the recruitment of women, in partnership with the Chicago Women in Trades

To accomplish the goals of the project, ■ the Center has developed five technical committees to assist with the implementation and outreach of registered apprenticeship.

These five technical committees are broken up by occupations and meet at least once a year to discuss apprenticeship progress and steps moving forward. The next section will detail the work of the committees during January 1, 2017 – June 30th 2017.



Transit Coach Operator Apprenticeship Committee

The Transit Coach Operator Committee consists of nine transit agency locations and their local unions.

AC Transit/ATU Local 192	SamTrans/ATU Local 1574
Dallas Area Rapid Transit (DART)/ATU Local 1338	TARC/ATU Local 1447*
GCRTA/ATU Local 268	VTA/ATU Local 265*
Metro Transit/ATU Local 1005	WMATA/ATU Local 689
MTA/ATU Local 1300	

^{*}currently have registered transit coach operator apprenticeship program

The importance of the Transit Coach Operator Committee cannot be overstated. At last, transit operators are recognized as highly skilled workers with attributes far beyond what meets the eyes. The Transit Coach Operator Committee members are key elements in the development of standards for training, cultivating, and retaining future transit operators. To advance this important work, it's necessary for committee members to meet and share ideas that are not easily transmitted by alternative ways of communicating.

Yvonne M. Williams President/Business Agent Amalgamated Transit Union, Local 192 Oakland, CA

Transit Coach Operator Technical Committee Holds Meeting in San Jose

A pril 4-6, 2017: The Transit Coach Operator Technical Committee met at the Valley Transit Authority in San Jose, CA. VTA is the first transit agency in the country to have a registered operator apprenticeship program. This highly successful program is the model for the development of transit coach operator apprenticeship programs, based on a operator mentoring program implemented in 2006. This meeting gave VTA the opportunity to showcase this program. During this meeting, participants:

• Provided updates on the progress of their transit coach operator apprenticeship development. VTA and

ATU Local 265 have a registered program and have been working with the Center to collect apprenticeship numbers. TARC and ATU Local 1447 have a registered apprenticeship program where they are restructuring their mentoring program. GCRTA and ATU Local 268 have developed a pilot program and are in the process of selecting mentors for the pilot program. Metro Transit is in the beginning phases of the development of the program in collaboration with the Center and the technical committee members. Maryland MTA and ATU Local 1300 are currently working out the final tweaks of their program to submit their registration paperwork for approval before the end of the year.

- Learned about the apprenticeship registration process. The Center invited state and federal Apprenticeship representatives to attend the meeting and discuss the steps to registration and the possible funding mechanisms that agencies are eligible for when they have a registered apprenticeship program.
- Learned more about the VTA apprenticeship program developed by the Joint Workforce Investment project or JWI (VTA and ATU Local 265 partnership). JWI highlighted their steps to startup, how the JWI is funded (3 million plus in grants and a .02 per hour deduction from union membership), and their partnership with Mission College to obtain college credit for the transit coach operator apprenticeship program and other apprenticeship programs they have developed at VTA. They included a mentor panel where committee members were able to speak with the transit coach operator mentors about the success and the challenges of their transit coach operator mentor/apprenticeship program.
- Outlined the elements of a Train the Trainer program for Operations Trainers and/or front-line workforce trainers interested in being promoted to Trainers. The Center will be working with an Instructional System Design consultant to adapt its current maintenance train the trainer program to meet the needs of operations trainers.
- Defined the elements of a Mentor Training

curriculum. The Center is working with an Instructional System Design consultant to develop a mentor training program for transit coach operator mentors. This curriculum has been developed and piloted at GCRTA.

The excitement around this new apprenticeship program within the transit industry has been building. The Center has presented on the Transit Coach Operator Apprenticeship program at the National Transit Industry (NTI) Transit Trainers Workshop in March, the American Public Transportation Association's (APTA) Bus and Paratransit Conference in April, and the ATU Black Caucus in May. The Center will continue to recruit agencies interested in the development of the transit coach operator program.



CEO, Nuria Fernandez, welcomes Transit Coach Operator Technical Committee to VTA.



Center Founding Director, Brian Turner (left) and Center Executive Director, Jack Clark, discuss the merits of apprenticeship with Secretary of Labor, Tom Perez and GCRTA CEO, Joseph Calebrese (right) during National Apprenticeship Week in 2015.

Apprenticeships build cohesion among technicians because the hands on method gives them a meaningful way to learn on actual buses we have here on site.

Dwight Sammy -- Vehicle Maintenance Technician, IndyGo

An apprenticeship program is well worth the investment because the result is a productive employee, which benefits the whole organization and the public.

Rudy Chavez - ATU Union Representative, SamTrans

Bus Maintenance Apprenticeship Committee

The bus maintenance apprenticeship committee is the largest of our committees and is currently working with Diane Jones at the Urban Institute to develop a competency based framework that can be used to assist with the development of the bus maintenance apprenticeship programs. John Schiavone is the lead for the program.

AC Transit/ATU Local 192*	GCRTA/ATU Local 268
AMTRAN/ATU Local 801	King County Metro/ATU Local 587*
CAMTRAN/ATU Local 1279	MARTA/ATU Local 732*
Aaron E. Henry Inc./DARTS	Metro Transit/ATU Local 1005
Choctaw Regional Transportation & Maintenance Facility	NFTA/ATU Local 1342
Dallas Area Rapid Transit (DART)/ATU Local 1338	NJT/ATU NJ State Council
CTA/ATU Local 241/IAM Local 701	Samtrans/ATU Local 1574
San Diego MTS/IBEW 465	TARC/ATU Local 1447
SEPTA/ATU Local 234	UTA/ATU Local 382*
SFMTA/IAM Local 1414	VTA/ATU Local 265*

^{*}currently have registered bus maintenance apprenticeship program

[arch 28th, 2017: The Center kicked off the Bus Maintenance Committee meeting at the National Transit Institute (NTI) Transit Trainers workshop in Nashville, TN. During the NTI workshop, participants (committee members and NTI attendees) were introduced to the AAI grant and the current goal of the bus maintenance apprenticeship committee. After the NTI workshop, the bus maintenance committee members were hosted at Nashville Metro/ATU Local 1235. The remaining two days of the bus maintenance committee meeting consisted of workshops to fill in the competency based framework, developing apprenticeship peer review teams to assist agencies with apprenticeship development, and a presentation from Los Angeles Trade Technical College (LATTC) on a distance based learning module of electronic relays (using Zoom Teleconferencing software). The Center continues discussions with the Community Transportation Association of America (CTAA), LATTC,

CAMTRAN, AMTRAN, Aaron E. Henry, and Choctaw to determine the most effective way to facilitate distance based learning for smaller agencies.

Following this meeting the Center has continued to have discussions with agencies that attended the NTI session and participated in the bus maintenance committee as friends of the committee. The Center is currently working with Kansas City Area Transportation Authority (KCATA)/ATU Local 1287 and Indianapolis Public Transit Authority (IndyGo)/ATU Local 1070 on the development of a bus maintenance apprenticeship program. The Center is continuously recruiting agencies interested in implementing and /or expanding bus maintenance apprenticeship.

Rail Car Consortium/Apprenticeship Committee

The Center is working within the FTA funded rail car consortium to promote the expansion of rail car **1** apprenticeship programs. This committee is primarily tasked with the development of courseware for rail vehicle maintenance technicians and the development of an "apprenticeship readiness" curriculum called Transit Core Competencies curriculum (TC3). Current agencies that have committed to rail car apprenticeship are:

GCRTA/ATU Local 268	PATCO/Teamsters Local 676		
LA Metro/ATU Local 1277	San Diego MTS/PTEA*		
Metro Transit/ATU Local 1005	SEPTA/TWU Local 234		
MBTA/ATU Local 589	SFMTA/IBEW Local 6		
NETA/ATU Local 1342			

^{*}currently have registered rail vehicle apprenticeship program

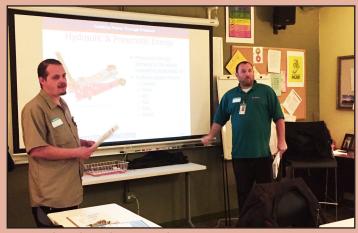
Denver RTD Hosts Third National Rail Car Consortium Meeting



In May, the Rail Car Consortium held its third meeting **▲**in Denver, Colorado. During this meeting, sixteen rail transit locations worked on developing and validating the next round of Consortium courseware. There was also a presentation on registered apprenticeship by Colorado State Director from the Office of Apprenticeship. The Center will continuously work with agencies in the rail car consortium on the development of rail vehicle apprenticeships. For more on the rail car consortium, please read the Rail Car Consortium newsletter.

n March 21st, the Keystone Development Partnership delivered a one day mentor training session at GCRTA. This session included 4 newly hired mentors and two trainers. These individuals have been selected by GCRTA and ATU Local 268 as mentors in their newly developed rail vehicle apprenticeship program. The Center is currently working with GCRTA/ ATU Local 268 on final approval of the apprenticeship standards for submission to the Ohio Apprenticeship Council for registration of the program.





Dustin Hughes and Juston Hrubes deliver TC3 to Mile High Youth Corps students

n March 20-24th, the Center delivered a Train the Trainer course to current and future maintenance trainers from Denver RTD and an instructor from Denver's Mile High Youth Corps (MHYC) at the Community College of Denver (CCD). These trainers piloted the six-modules of the Center's Transit Core Competencies Curriculum (TC3) in April. The curriculum, designed to bridge the critical

connection leading from general academic and personal competencies developed in school or through workforce development programs to specifically transportation and transit-focused training and education, was delivered to a group of MHYC corps members attending their public charter high school. The Center is currently obtaining feedback from that pilot and adjusting the TC3 curriculum accordingly.

Signals Consortium/Apprenticeship Committee

Like rail car, the Signals apprenticeship committee is defined within the Center's FTA funded Signals Consortium. The Signals Consortium is in its fourth year of courseware development of courseware for signals maintainers. The Consortium currently has 20 participating transit locations. Agencies that are participating in the signals consortium that are committed to signals maintenance apprenticeship are:

Metro Transit/ATU Local 1005 San Diego MTS/PTEA*			
NFTA/ATU Local 1342	SEPTA/TWU Local 234		
PATCO/Teamsters Local 676	Trimet/ATU Local 757*		

^{*}currently have registered signals maintainer apprenticeship program



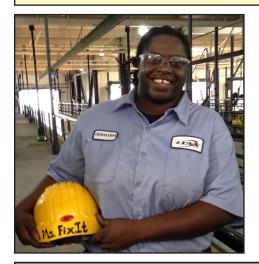
We already have an established apprenticeship and in ours we do all three crafts; signal maintenance, traction power, overhead, lighting, you know, a little bit of everything. But just the quality of training and there being a rigid schedule, because you know historically in a lot of agencies there is no specific training program – it's like here's your manuals, you have a general understanding of electricity and mechanics, so have at it. So I think it is important because of the quality of the training and the more rigid schedule. You end up in the long run with a better maintainer.



Martin Ellison, Electro-Mechanic, SDMTS

There is currently no national framework guideline for a signals maintainer apprenticeship. During the last Signals Consortium meeting in October, the committee members began the development of the work process schedule and apprenticeship standards for a national signals maintainer apprenticeship framework guideline. During this six-month period, the committee member finalized the apprenticeship framework

guideline and it was sent to the U.S. Department of Labor (DOL) for review. The Center is currently working with the DOL to gain approval for this framework guideline. Once the guideline has been approved, the Center will begin working with interested agencies to develop signals maintainers apprenticeship programs based on the framework.





The Brotherhood of Railroad Signalmen has been fully supportive of the Signals Consortium because we know from being on the frontlines just how many signal maintainers are going to be retiring in the next 5 years and how many more are going to be needed for rail expansion. Equally important to the BRS is the safety of our members and the public. Standardized high quality training will answer these two needs and the Signals Consortium is addressing that issue using the combined knowledge and expertise of some of the best brains in the industry.

Dennis Boston, Vice President, Brotherhood of Railroad Signalmen

Elevator-Escalator Consortium/Apprenticeship Committee

The Elevator-Escalator Consortium is the first of the Center's consortium. This consortium has developed over 42 L courses for elevator-escalator technicians and developed the national framework for transit elevator-escalator maintenance apprenticeship. It consists of five agencies which represents 90% of the transit agencies that maintain their own elevators and escalators.

AMTRAK/IAM and IBEW	NYCT/TWU Local 100
BART/SEIU Local 1021*	WMATA/ATU Local 689*
SEPTA/TWU Local 234	

^{*}currently have registered elevator-escalator maintainer apprenticeship program



George Younger working alongside fellow consortium member Ron Lewis, Center staff and former technical training director at

"I have been lucky enough to have been part of the Consortium since 2012 - working side by side with very knowledgeable professionals developing the courseware which is now being used here at BART. We are currently working together with SEIU 1021 to train Transit Elevator/Escalator Technicians. Through the apprenticeship curriculum, they are achieving their Certified Competent Conveyance *Mechanic certifications required by the State of* California. Continued development of quality Elevator/Escalator courseware, and educating our incumbent and future technicians is our key goal."

George Younger, Section Manager Elevator/Escalator Power & Mechanical Maintenance, BART

uring the past 6 months, the committee has been working with Diane Jones of the Urban Transit Institute to develop a competency based framework that can be used to assist in the development of an elevator-escalator apprenticeship. The committee has also revised the current elevator-escalator apprenticeship program from a time based model to a hybrid model

which will make it more flexible for agencies interested in pursuing an transit elevator-escalator apprenticeship program. This hybrid model has been forwarded to the Department of Labor and is awaiting approval. In the meantime, the Center is working with SEPTA/TWU Local 234 on the development of their elevator-escalator apprenticeship program.

Promotional/Outreach Activities

Over the past 6 months, the Center has been involved in a variety of activities to promote apprenticeship within the transit industry.



In January, the Center participated in the AAI National Grantees conference. Working with the National Governors Association (NGA), the Center enlisted a women veteran apprentice from one of the Center's partners to participate in an apprenticeship panel. The Center also facilitated a women's breakout session with Jobs for the Future (JFF) discussing the Center's women's toolkit being developed by the Chicago Women in Trades (CWIT).

Sierra Hartsgrove from San Diego Metropolitan Transit System (right) represented the Center's Public Transportation Apprenticeship initiative on an apprenticeship lunch panel. Sierra is a first year rail vehicle apprentice who spoke about her experiences as a women and a veteran in transportation maintenance.

February 5-7, the Center participated in the 2017 National Skills Coalition (NSC) Skills Summit. The focus of the summit was to tackle a range of federal policies that impact the shared skills agenda. Topics included the Apprenticeship, Temporary Assistance for Needy Families (TANF) reauthorization, the Higher Education Act and Perkins Act Reauthorization, and rebuilding and upskilling the workforce.



Meetings on Capitol Hill to advocate for the Jobs Agenda: (right to left): Kate O'Sullivan National Youth Employment Coalition, Congressman Jamie Raskin (MD), Tia Brown TLC, Donna Kinerney Montgomery College.



As I have begun visiting other transportation locations and hearing about their mentoring/apprenticeship programs through the TLC project, I can see with certainty that the Transit Coach Operator Apprenticeship program will enhance a better working relationship with the union and management here at WMATA. I think this program would improve the union-management relationship, attendance issues, performance issues, accident rates, overall professionalism/safety of operators, better knowledge and understanding of rules and regulations of the company and the union CBA, and the communication issues between front-line workers and supervisors. All of these things would lead to a better agency and an overall better employee.

Quincey Jones, Assistant Business Agent, ATU Local 689

n February 23rd, Center staff joined Jim Reid of the International Association of Machinists and Aerospace Workers (IAM & AW) for a tour of the Transportation Communications Union/International Association of Machinists (TCU/IAM) – Job Corps campus in Southwest Washington, DC. The TCU/IAM Advanced Training Program immerses students in an atmosphere where they are able to learn the soft skills necessary to succeed in a transportation industry position



From Left to right: Jim Reid and Jesse Cote (IAM & AW), Jack Clark (the Center)

at the same time they are receiving the technical training and earning certifications for the career path of their choice. As students advance through the program, TCU/ IAM works with their nationwide network of employers and contacts, offering assistance in finding internships, and ultimately, a well-paying job.

After the tour, the Center staff sat down to discuss ways the two organizations can find synergies in our work. The Center looks forward to helping connect Job Corps graduates with transit employers in its network. The two organizations will also explore the possibility to integrate components of the Center's Transit Core Competencies Curriculum (TC3) into the Job Corps program.



From left to right: Joel Hernandez and Diane Dettmann (TCU/ IAM), Xinge Wang (the Center), Jessica Witchoski (TCU/IAM)



Tia Brown presents on competency-based apprenticeship initiatives.

n March 28, the Center facilitated three workshops at the National Transit Institute. In one workshop, the Center worked with Diane Jones at the Urban



John Schiavone presents on the Center's Bus Apprenticeship Framework.

Institute to present on the apprenticeship work that the Center has been involved in and the transit coach operator competency framework under development.

Prom March 28-30th, the Center participated in L'the Gender Equity in Apprenticeship Conference organized by CWIT and its partners in Chicago. During conference, the Center shared the challenges of recruitment and retention of women in the transportation sectors and the resources CWIT and the Center were collaborating to deliver to the public transportation partners.



Veterans and Women's Outreach

The Center has produced a Veterans Crosswalk tool which matches skill-sets learned during military service with the kinds of skills that public transportation agencies look for when hiring signals maintainers. It is also designed to drill down into military job classifications so that transit agencies have a user-friendly, quick reference for hiring veterans with the right basic knowledge to get started in signals maintenance. The list of matching military job titles can be used in job advertisements for transit maintenance personnel. Veterans interested in

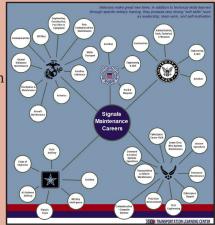
Signals Maintenance					
Transit Job Title Examples	Overview of O*Net & FTA Occupational Titles		Military Jobs by branch		
Signals Maintainer Signalman Signal Inspector Positive Train Control Technician	Railroad Signal Maintainer Closely monitors the signals used within the Public Transportation rails system. Requiring electric skills, Signal Maintainers install signals, Giagnose problems, repair, clean, and maintain all traffic/rail signals and electrical switches. These workers can be required to work long shifts in a		iin, or s, rack	Army (MOS)	
Job Title: Signal & Track Switch Repairers/Railroad Signal Maintainer					
Airforce	Army	Marine Corps			
1A131 Flight Engineer Enlisted	12Q Power Line Distribution Specialist Enlister	0612 Field Wireman Enlisted	AA Airman Ap	prentice Enlisted	AET Avionics Electrical Technician Enlis
1A131B Flight Engineer Apprentice, Hel Enlisted	copter 12R Interior Electrician Enlisted	0613 Construction Wireman Enlisted	AE Aviation Electrician		AMT Aviation Maintenance Technician I
IAI318 Flight Engineer Helper, Helicop Enlisted	12T Technical Engineer Enlisted	0614 Unit Level Circuit Switch (ULCS) Operator/Maintainer Enlisted	AM Aviation S	tructural Mechanic Enlisted	AVT Avionics Technician Enlisted
1A131C Flight Engineer Apprentice, Performance Qualified Enlisted	12X General Engineering Supervisor Enlisted	AMECS Autobing Street, and Afficial			DP Data Processing Technician Enlisted
1A131C Flight Engineer Helper, Perform Qualified Enlisted	ance 12X General Engineering Supervisor Enlisted	0627 SHF Satellite Communications Operator- Maintainer Enlisted	AME fulnting Stouchural Machanic Safety		IT Information Systems Technician Enlis
1A151 Flight Engineer Enlisted	122 Engineering Senior Sergeant Enlisted	0628 EHF Satellite Communications Operator- Maintainer Enlisted	AMH Aviation Structural Mechanic Enlisted		MAT Material Maintenance Enlisted
1A1518 Flight Engineer Apprentice, Hel Enlisted	copter 12Z Combat Engineering Senior Sergeant Enlisted	0629 Radio Chief Enlisted	AMS Aviation Structural Mechanic Enlisted		MK Machinery Technician Enlisted
1A151B Flight Engineer Helper, Helicop	ter 13D Field Artillery Automated tactical Data	0651 Data Network Specialist Enlisted	AN Airman Enlisted ST Sonar Technician Enlisted		ST Sonar Technician Enlisted

The full database can be downloaded from the linked image above.

transit careers should also find it useful in understanding how their military-learned skills can give them an edge while searching for a signals career. This product (screen shot shown here) was produced in cooperation with a Veterans Taskforce made up of veterans who are also

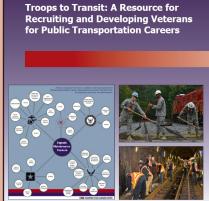
Subject Matter Experts in the field of Signals Maintenance.

This detailed matrix has been distilled down into a user-friendly Veteran's Factsheet which provides at-aglance information for both veterans interested in a signals career and for agencies looking to hire skilled



veterans. The fact sheet can be found at the linked image link on the right.

As a companion document to the skills crosswalk, the Center has just published Troops to Transit: A Resource to Recruiting and Developing Veterans for Public Transportation Careers. This publication is packed



with useful resources and tips to make the process easier for transit recruiters to hire veterans into transit careers.

Moving Forward

Tn the next half of this year, the Center will continue working with agencies to develop, implement, and expand **▲** apprenticeships within the transportation industry. The Center will be hosting a Making Connections conference to bring all of the committees together to discuss apprenticeship, courseware development, best practices and success stories, and steps forward on apprenticeship. The Center is currently lining up speakers for this conference. So far this list includes: David Bragdon (Transit Center), Madeline Janis (Jobs to Move America), Greg LeRoy (Good Jobs First), Robert Puentes (Eno Center for Transportation), Dr. Beverly Scott (Beverly Scott Associates), Joe Calabrese (GCRTA), Jess Guerra (Transportation Workforce Institute at LA Trade Tech), Diane Jones (Urban Institute), Dale Marsico,

Sigute Melius (Americans for Transit), Larry Hanley (ATU), Brian Sherlock (ATU), Lauren Sugarman (Chicago Women in Trades), and many others. For more information visit: http:// conta.cc/2pYzTvf.

Making Connections 2017

NEW DEVELOPMENTS & EMERGING OPPORTUNITIES IN PUBLIC TRANSPORTATION AND TRANSPORTATION WORKFORCE DEVELOPMENT

OCTOBER 26, 2017 SHERATON HOTEL SILVER SPRING 8777 GEORGIA AVE, SILVER SPRING, MD 20910



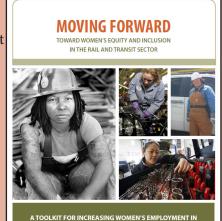
Included in the Signals Consortium project is the development of a Women's Recruitment and Outreach toolkit. In the past 6 months, this toolkit has been finalized and will be disseminated to transportation agencies at various conferences. The toolkit offers a customized set of customized resources and materials for recruitment, training, and retention of women in the transit sector. Sections include:

- Why Adding a Gender Lens is Important to the Transit Sector Workplace
- **Outline of Key Practices**
- Policies and Practices at the Institutional Level
- Outreach and Recruitment Plans to Attract and **Engage Women Applicants**
- Establishing Fair and Equitable Application and Selection Processes that Work for Women
- Creating and Effective and Equitable Preparatory **Training Programs**
- Gender Inclusive Practices for Classroom Training and OIT
- Gender Inclusive HR practices

Health and Safety of Women in Rail and Transit.

As part of the toolkit, CWIT developed two "Apprenticeship Equity Surveys" for apprenticeship

programs, companies and agencies to support review current EEO Plans and needs. These materials will allow transit and rail industry partners to conduct assessments, set goals, and develop model plans for dissemination to affiliated apprenticeship programs. This tool will be used to help



TRADITIONALLY MALE-DOMINATED HIGH-WAGE, HIGH-SKILL

CWIT identify technical assistance needs for partners in the AAI project interested in the recruitment of women.

Project Status Update

To date, the Center has served a total of 487 participants through informational apprenticeship meetings, courseware piloting, and Transit Core Competencies (TC3) piloting. The Current metrics to date are:

- 26 employers (reached 1 and 2 year goals)
- 345 apprentices to date
- 256 active apprentices
- 487 participants served (reached year 1 and 2 goals)
- 196 new apprentices (reached year 1 goals)
- 69 women participants served (reached year 1 and 2
- 317 minority participants served (reached year 1,2 and 3 goals)
- 48 veteran participants served (reached year 1, 2, 3, and 4 goals)
- 328 incumbent workers served (reached year 1,2,3 goals)

- 90 apprentices completed (reached year 1 goals)
- 41 outreach activities served (reached year 1,2, and 3 goals)
- 38 employer surveys completed (reached year 1 goals)
- 38 employers satisfied (reached year 1 goals)
- Signals maintainer apprenticeship framework guideline submitted to DOL
- 3 updated training standards submitted to APTA
- 5 Train the Trainer sessions completed
- 39 Trainers Trained
- 1 Mentor training session completed
- 6 Mentors trained

he **Transportation Learning Center** is a nonprofit organization dedicated to improving public transportation at the national level and within communities. To accomplish this mission, the Center builds labor-management training partnerships that improve organizational performance, expand workforce knowledge, skills and abilities, and promote career advancement.

Contact us:

Email: info@transportcenter.org www.transportcenter.org www.transittraining.net

Phone: 301.565.4713 Fax: 301.565.4712



AMERICAN APPRENTICESHIP INITIATIVE

National Sponsors and over 40 locations that have worked together to build shared solutions **Engagement:** Transit and Rail Training Partnerships Location Map



IBEW Local 1245 (Sacramento)