

Transportation Consortium of South-Central States (Tran-SET) Analysis of the Causes of Workforce Shortages: Create Guidelines for Education and Workforce Development in Transportation to Generate Future Careers for the Navajo Nation

Create Guidelines to Generate Future Careers in Transportation for the Navajo Nation

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Workforce development is a key priority for Native American and especially for the Navajo Nation population. NTU was sub awarded by the LSU to join the Center to highlight the NTU efforts to improve workforce training and offer programs to focus on training the current transit employees and providing them with skills that will support job retention for years to come. US DOT has provided nearly \$2.5 million in grant funding to help LSU Tran SET Center to develop and demonstrate a comprehensive training program for the transit industry specifically for the workforce development. The center is collaboration between numerous public and private organizations, including transit agencies, colleges and universities, private industry, and government agencies that are involved in the development and maintenance of the region 6 transit industries. Workforce development for the transportation industry specially, for Native American is a critical issue. Demanding workforce shortage in the transportation industry is prompting thoughtful difficulties in Navajo Nation, New Mexico, and throughout the region six. Therefore, research and analysis are needed to understand the causes of the shortage and to determine the skill sets needed for today's transportation industry worker.

Background

There is a need to investigate as well as implement education and workforce preparedness to better support current and future economic needs as well as improve job opportunities for transportation industry workers. Additionally, as trends and innovations continue to grow, workers will require additional education and training to keep pace with commercial demands. Demanding workforce shortage in the transportation industry is prompting thoughtful difficulties in Navajo Nation, New Mexico, and throughout the region six. When there is a sympathetic of the sources exist, methodologies are needed to implement accordingly. Present recruits to the transportation industry do not have sufficient knowledge or experience when entering the field, while keeping existing workers is often challenging due to the

draw of increased salaries and responsibilities offered by private companies.

Project Summary

The main objectives of this project will be to generate a direction report comprising: 1) analysis of the causes of the workforce shortage in the transportation industry, 2) Develop and implement Educational workshops through workforce development by creating programs in transportation to generate and support careers in transportation areas. 3) Explicit objects are to recruit, select and initiate STEM students base on the info that we have about those students and their attention and offer them the summer internships and part time in school compensation, and send them to LSU summer workshops or other center of conglomerates members institutions for training.

Status Update

Considering some of the key investigation for the reasons of the shortness of the jobs in transportation trades at Navajo nation, we realize that we need to educate the community knowledge, perspectives, and abilities in the transportation areas. We are required indeed to provide the Nations the prospects for research and teaching in transport and related areas and create educational programs in the transport area at undergraduate and high school level across the Navajo Nations. It would be vital to expose experts, teachers, young people, or other members of the community to the transportation, science and technology, in order to improve the employment, skills of the members of underrepresented groups in the Navajo Nation. Furthermore, unemployment was, is, and, for the foreseen future, will be a challenge for many Native nations so we need to move ahead and see this challenge as an opportunity to rebuild tribal communities educationally by providing formal and informal training, and by meeting the developmental needs of tribal members. For this challenge to become something of the past, tribal colleges & universities, tribal members, and all



stakeholders need to work in tandem to achieve the workforce in transportation for Native people.

Impacts

Through a variety of activities, including seminars, training, consultation and resource networking, the program works to assist community economic development by: 1) promoting quality education and team building, 2) increasing productivity and the quality of the working environment. 3) Attracting new students, businesses and industry, and 4) educating the general public about economic development in transportation construction. Some of the possible application or implications and welfares are that the results of this study will be implemented and graduate students and public inquest across the program will review the products. The project will advantage many of our present platforms, will lead to new programs, and will surge the vocation choices for our students.

Tran-SET

Tran-SET is Region 6's University Transportation Center. It is a collaborative partnership between 11 institutions (see below) across 5 states (AR, LA, NM, OK, and TX). Tran-SET is led by Louisiana State University. It was established in late November 2016 "to address the accelerated deterioration of transportation infrastructure through the development, evaluation, and implementation of cutting-edge technologies, novel materials, and innovative construction management processes".

Learn More

For more information about Tran-SET, please visit our <http://transet.lsu.edu/>, LinkedIn, Twitter, Facebook, and YouTube pages. Also, please feel free to contact Dr. Momen Mousa (Tran-SET Program Manager) directly at transet@lsu.edu.

