



Florida's First Funded Sun Trail Project



TALLAHASSEE – The Florida Department of Transportation (FDOT) joined the City of Edgewater, Volusia County, and local officials in celebrating the groundbreaking of the first project to receive funding under the Shared Use Non-motorized (SUN) Trail program. Established during the 2015 legislative session and administered by the Florida Department of Transportation, the SUN Trail program is allocated \$25 million annually, from new vehicle tag fees, to expand the statewide network of paved trails. In October 2016, a total of \$44,434,543 million was awarded to 45 separate projects located across 21 counties throughout Florida. This project received \$1.1 million.

All of the selected projects are on the SUN Trail network, which consists of the developing statewide system of paved multi-use trails for bicyclists and pedestrians, physically separated from vehicular traffic. Construction of this first segment, between Dale Avenue and 10th Street, will help close a critical gap by connecting the existing East Central Regional Rail Trail and Daytona State College. The project is located along the St. Johns River-to-Sea Loop, which is a developing 260-mile regional trail system that will link together several communities including Edgewater, New Smyrna Beach, Titusville, DeLand and Palatka. FDOT Secretary Mike Dew said, "Today's momentous event marks not just the beginning of construction – but showcases how funding provided through the SUN Trail Program can help communities develop essential links for multi-use trails, as well as extending multimodal transportation options available for Florida's residents and visitors and growing our economy."

See excerpt: http://www.fdot.gov/info/CO/news/newsreleases/061417Edgewater_Press%20FINAL.pdf



About The FDOT

The goal of the DBE Supportive Services Program is to increase the number of DBEs participating on FDOT contracts and facilitate the opportunity for DBEs to obtain contracts. The services are designed to:

- Assist established construction firms to move them from bidding as a subcontractor to bidding as a Prime Contractor to produce sound bids.
- Provide access to training increases DBE expertise in handling of daily business operations.

About The Program

The Construction Estimating Institute (CEI) works with FDOT as the statewide provider of the federally funded Disadvantaged Business Enterprises (DBE) Supportive Services Program. We want to increase the number of certified DBEs participating in highway and bridge construction, as well as assist DBEs in growing and eventually becoming self-sufficient. Additionally, CEI provides supportive services by assisting prime contractors and consultants with identifying DBEs for subcontracting opportunities on priority projects.

How to Stay Cool While Working in 100 Degree Heat

Construction can be hard, hot work at the best of times. Now imagine building a soccer stadium in the desert.

Thousands of workers are doing just that as they develop the venues for the soccer World Cup 2022 in Qatar. So the Gulf state has come up with a new way to keep them comfortable - a self-cooling hard hat. Temperatures can soar to 122 degrees Fahrenheit in the summer. Work stops between 11 a.m. and 3 p.m. during those months but the fierce heat still presents a huge challenge.

Researchers in Qatar are using the sun to help solve the problem. They have created a hat that they say can reduce the skin temperature by up to 10 degrees centigrade (50 degrees Fahrenheit).

It works by using a small solar panel on top to power a fan that blows air over an insert in the lining of the helmet. It contains a material that can absorb and store a large amount of heat. Each insert provides cooling for four hours.

"By reducing the temperature of the head and face, the rest of the body will naturally follow and ensure that workers have a constant flow of cooler air to refresh them throughout their day," said Saud Abdul-Aziz Abdul-Ghani, professor of engineering at Qatar University, who led the team that developed the new helmet.

Qatar says construction work on eight stadiums for the World Cup is well underway. About 18,000 workers are currently building the facilities, but that number is expected to double next year as activity peaks.

To Read More See Excerpt: <http://money.cnn.com/2017/04/06/technology/qatar-cooling-helmets-2022/index.html>



Thousands of workers are doing just that as they develop the venues for the soccer World Cup 2022 in Qatar. So the Gulf state has come up with a new way to keep them comfortable -- a self-cooling hard hat. Temperatures can soar to 122 degrees Fahrenheit in the summer. Work stops between 11 a.m. and 3 p.m. during those months but the fierce heat still presents a huge challenge.

Researchers in Qatar are using the sun to help solve the problem. They have created a hat that they say can reduce the skin temperature by up to 10 degrees centigrade (50 degrees Fahrenheit). It works by using a small solar panel on top to power a fan that blows air over an insert in the lining of the helmet. It contains a material that can absorb and store a large amount of heat. Each insert provides cooling for four hours.

By reducing the temperature of the head and face, the rest of the body will naturally follow and ensure that workers have a constant flow of cooler air to refresh them throughout their day," said Saud Abdul-Aziz Abdul-Ghani, professor of engineering at Qatar University, who led the team that developed the new helmet. Qatar says construction work on eight stadiums for the World Cup is well underway. About 18,000 workers are currently building the facilities, but that number is expected to double next year as activity peaks.

Most of them come from South Asia. Qatar has faced criticism from human rights organizations over the exploitation of migrant workers, including poor working and living conditions. The new cooling helmets will be rolled out this year. And Qatar says it has already received interest in buying the product from potential customers in Mexico, South Korea, Egypt and Singapore.

Supportive Services Offered



- Estimating Training
- Building Capacity
- Mobilization Financing
- Bonding Assistance
- Marketing Plan Development
- Creating a Business Plan
- Building a Website



**BONDING,
FINANCING,
And INSURANCE**

CEI is an educational organization providing the highest quality construction training in the industry. Over 100,000 owners, estimators, project managers, field supervisors, office support staff, foremen, laborers, and key management personnel have attended courses that are offered nationwide. The courses provide students with construction skills training and the critical information needed to be effective within their companies and organizations.

Call 866-378-6653 or visit us online at www.cmdp-bgp.com

www.fdotdbesupportservices.com

CEI, 5016 Calle Minorga, Sarasota, FL 34242