Your Guide to Doing Business with the Kentucky Transportation Cabinet

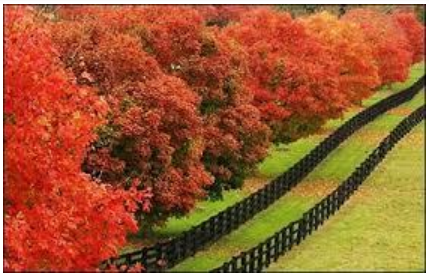
DBE Supportive Services

Brought to you through a KYTC partnership with: CEI Educating Construction Professionals

KENTUCKY TRANSPORTATION CABINET

Volume 19, November 2017

DISCOVER FALL FOLIAGE ACROSS KY THROUGH COLORFALL PROGRAM



The Kentucky Department of Tourism and the Kentucky Department of Parks is launching the 32nd year of the state's ColorFall program. The ColorFall website kentuckytourism.com/seasons/, highlights peak foliage viewing areas and exciting autumn events across Kentucky. Kentuckians and visitors are also encouraged to use the hashtag, #kycolorfall to upload any fall photographs of the gorgeous scenery that can be found while traveling the scenic roads of the Bluegrass. "Kentucky in the fall should be on the top of everyone's travel list," Kristen Branscum, Commissioner of the Kentucky Department of Tourism said. "ColorFall is a very useful travel-planning tool, in that it allows you to track the colors by region. You can travel the entire state and have a truly unique experience with the vibrant fall colors as your guide."

For more than three decades, ColorFall has provided reports on stages of color changes from key locations across the state. On the ColorFall website, kentuckytourism.com/seasons/, there is a state map where fall colors can be viewed by region and there are blog posts that provide reports on stages of leaf changes from Kentucky State Park staff and naturalists and other volunteers throughout the Commonwealth. The color changes usually begin as early as September in the higher elevations of the eastern mountains and gradually progress to the west during October.

Kentucky Trees and Their Fall Colors

- Red Maple: Orange-Red, Scarlet Red
- Sugar Maple: Yellow, Orange and Red
- Sweetgum: Yellow, Orange, Red and Purple
- Sourwood: Crimson Red
- Scarlet Oak: Scarlet Red
- White Oak: Yellow, Yellow-Brown and Red-Brown
- Winged Sumac: Red, Maroon and Purple

See Excerpt: https://www.wtvq.com/2017/09/25/discover-fall-foliage-across-ky-colorfall-program/

DBE Opportunities

Want to learn more about the DBE Program
Call or email us.

- Ask us about getting a letter of bond ability
- Need a capability statement? Give us a call
- How about a new/updated website, Email/call us
- Want to become DBE Certified? call us
- Need Training and Technical Assistance

Phone Number:855-678-9323 – Email: Info@kydbe.com

About The DBE Program

The Construction Estimating Institute (CEI) works with Kentucky Transportation Cabinet (KYTC) 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.

Top 10 Bridges – No. 5 Kentucky Lake Bridge

If there was a working template in place, it wasn't for very long. The Kentucky Lake Bridge project was saturated in highly complex challenges, and perhaps the highest-ranked one involved setting 330,000-lb piles in place. The process

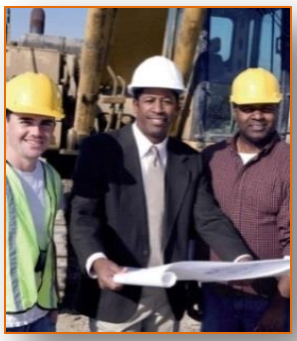
involved a template that was floated into place and used to guide the piles, which were up to 199 ft long, 6 ft in diam. and came with 2-in.-thick steel walls, into place. Using an upper and lower template, a hydraulic gate would open up, the pile was swung into position, the gate was closed and the pile, equipped with constrictor plates, was hammered down to resistance. There were over 9,200 kips of resistance in each pile, and some are positioned over 100 ft deep. Crews could easily set one pile a day before moving to the next one. Unfortunately, it would take some time to relocate the template, so on average about three piles—out of a total of 51—were placed per week. "The time-consuming part was moving the template," Mike Brown, project manager for Johnson Bros. Corp., told Roads & Bridges. "Your biggest challenge was the depth. [The piles] had to be within a 3-in. tolerance. That is not a simple task."

It didn't stop there. Before crews could even make use of the template, they had to figure out a way to move the 330,000-lb piles from a horizontal position to a vertical position. A one-of-a-kind system was designed that used two ringer cranes, a roller system and a whip line. One ringer crane would set a pile on Hillman rollers. A second ringer crane, one that had a whip line, would hold the tail end of the pile.

"So we would take the whip line and bring it taut dropping the choker off of the bottom of the pile and swing it into position with the other ringer, avoiding the need for a dive team," said Brown.
Innovation spread to the truss erection sequence, where four barges were essentially welded together to form one big unit to move the 550-ft-long, 110-ft-high basket-handle arch main span into place. Lifting towers were erected on the barge and huge strand jacks were brought in from Switzerland. The arch was lifted about 75-80 ft vertically before it was moved laterally with air tuggers that were attached to the barges. The main span was then lowered down onto bearings and welded down. Each footer (12-ft-diam. columns) the main span sits on contains well over 2,500 cu yd of concrete. The caps were made of 500 cu yd of concrete, and had to be handled by hand.
The bridge is located just 80 miles from the New Madrid fault line. Some of the approach piers only have three pilings to make them more elastic. End bearings on the approach spans allow up to 12 in. of longitudinal movement and modular joints on each side of the main span allow for another 24 in. longitudinally and ±9 in. transversely. The main span also sits on lead core elastomeric isolation bearings that allows up to 9 in. of seismic displacement.

Excerpt:https://www.roadsbridges.com/no-5-kentucky-lake-bridge

Supportive Services Offered



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

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.

CEI DBE Supportive Services

Call 855-678-9DBE (9323) or visit us online at www.kydbe.com