

Costa Rica



Name: ACROS - Asociación Costarricense de Obras Subterráneas

Type of Structure: Non profit, open association

ASSOCIATION ACTIVITIES DURING 2022 AND TO DATE

- Participation in the FEMCIC-CICCR Forum (Mexican Federation of Civil Engineers Colleges – Costa Rican College of Civil Engineers Forum)
- Organization of the False Tunnels for Costa Rican Mountain Roads Colloquium
- Organization of the CCROS 2023 Costa Rican Congress of Underground Works which will be held between March 9th and March 11th as an ITA endorsed event.
- Participation in the radio and TV program “Synergia” of the Colegio Federado de Ingenieros y Arquitectos de Costa Rica to talk about “Myths around the underground works and the importance of the underground space.”

CURRENT TUNNELLING ACTIVITIES

- The pipe jacked micro tunnelling for the residual water treatment for the Ambiental improvement project in the San Jose Metropolitan Area reports the following progress: In the southern sector of San José, 2,999m of pipe jack micro tunnels of 1200mm diameter have been constructed, as well as 3,739m of micro tunnels of 1,500mm diameter and eight shafts of 4.5m to 5.5m diameter with an average depth of 12m.
- The project for mobility improvement on the Circumvallation Highway of San José has reported completion of the new underground pass of 790m under the Guadalupe roundabout and a new underground pass of 900m at the Bandera roundabout.
- The 510m long underground pass at the

La Uruca intersection has advanced to 70% completion.

- The underground pass of 1,200m at the Calle Blancos intersection has advanced to 55% completion.
- The pipe jacked micro tunnel of 1,200mm diameter and 900m length is completed.

FUTURE TUNNELLING ACTIVITIES

- A new underpass of 60m on the national route No. 2 at the La Galera intersection is now under construction.
- Three tunnels for the fifth stage of the potable water supply project for the Metropolitan Area of San José, with a total length of 11.8km and 3.9m diameter.
- Two tunnels for the storm sewage of the Metropolitan Area of San Jose, 1,300m length and 3m diameter each.

EDUCATION ON TUNNELLING IN THE COUNTRY

Course on Underground Works, as part of the Master Science Program on Civil Engineering of the University of Costa Rica (UCR)