

Costa Rica



Name: ACROS - Asociación Costarricense de Obras Subterráneas
Type of Structure: Non profit, open association
Number of Members: 29 individual members, 4 corporate members

ASSOCIATION ACTIVITIES DURING 2020 AND TO DATE

- Working group for the drafting of a national technical regulation for the development of underground works (75% advanced)
- Short Course on Tunnel Design and Construction (Third edition completed)
- Webinar: Costa Rica´s San Jose Metro building and tunnelling project (Engineers Australia)
- Webinar: Underground Metro as a part of an intermodal transportation system for San Jose (Civil Engineers Costa Rica)

CURRENT TUNNELLING ACTIVITIES

- New underground pass of 790m under the Guadalupe roundabout (100% completion)
- New underground pass of 900m under

the La Bandera roundabout (10% advanced)

- New underground pass of 60m under the national route No. 2 at the La Galera intersection (in design stage)

FUTURE TUNNELLING ACTIVITIES

- 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 (in the design stage)
- Two tunnels for the storm sewage of the Metropolitan Area of San Jose, 1300m length and 3m diameter each
- New parallel tunnel to the Zurquí Tunnel at the national route 32 of 600m length and 12m diameter (in the proposal stage from the concession company interested)



Underground Pass Guadalupe

STATISTICS

1. Length or volume excavated - % mechanized / % conventional during 2020

- % mechanized = 0%
- % conventional = 100%

2. List of tunnels completed: 0

3. List of tunnels under construction: 0

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)