

Project Details

Projects Involved at Cheil Engineering Co., Ltd

Name of assignment or project: Detailed Design for Public Private Partnership for
Shinansan Electrified Double Track Railway Construction Project Lot 1

Month and Year: July 2020 ~ July 2021

Location: Sadong, Sangnok-gu, Ansan-si, Gyeonggi-do ~ Bugok-dong, Sangnok-gu
Ansan-si, Gyeonggi-do(Including a part of Danwon-gu, Ansan-si), Republic of Korea

Client: Nextrain Co., Ltd

Main project features:

1. Total Length : L= 5,095m
2. Width : B=9.8~10.3m(Double track, Mainline), B=22.94~31.784m(Station section)
3. Location : Sadong, Sangnok-gu, Ansan-si, Gyeonggi-do ~ Bugok-dong, Sangnok-gu
Ansan-si, Gyeonggi-do(Including a part of Danwon-gu, Ansan-si)
4. Design Speed: 120km/h
5. Summary of Facilities
 - NATM Tunnel of Mainline : 5,095m(Inclusive of tunnel station, deep underground tunnel in downtown area)
 - 4 Stations (1 Transfer station : Jung-Ang)
 - 1 Ventilation (Natural ventilation, Shaft D=8.0m), 3 Access shafts (D=13.0m)

Positions held: Assistant Railway Engineer

Activities performed: Support establishment of horizontal and vertical alignment plan considering residential land development plan; Review of alternatives to select the optimum railway route; Anticipate design speed; Plan for station, earthwork such as crossroad, waterway, access road etc.
