LC Tunnel Boring Machine Schematic Schedule Plan

Warm NC LC Option w/ Near Surface Parallel Tunnels
w/ 8 Open Pit or Side Hill Access Tunnel Boring Machine Starts

Cold SC LC Option w/ Deep Parallel Tunnels
w/ 12 Deep Shaft Access Tunnel Boring Machine Starts
LC Tunnel Boring Machine Schematic Schedule Summary Calculations

**Warm Normal Conducting Linear Collider**
(14,200 Meters + 1,800 Meters)(2_{parallel tunnels})(2_{e^+,e^-}) = 64,000 Meters of Tunnel

64,000 Meters / 8 TBMs = 8,000 Meters / TBM

8,000 Meters / 16 Meters TBM Advance Rate / Day = 500 Days

500 Days / 250 Working Days / Year = 2 Years = 24 Months

64,000 Meters / 2 Parallel Tunnels = 32,000 Meters Overall = 32 Kilometers

**Cold Super Conducting Linear Collider**
(21,000 Meters + 1,800 Meters)(2_{parallel tunnels})(2_{e^+,e^-}) = 91,200 Meters of Tunnel

91,200 Meters / 12 TBMs = 7,600 Meters / TBM

7,600 Meters / 15 Meters TBM Advance Rate / Day = 507 Days

507 Days / 250 Working Days / Year = 2.03 Years = 24 Months

91,200 Meters / 2 Parallel Tunnels = 45,600 Meters Overall = 46 Kilometers