COMPANY OVERVIEW

Created by Elon Musk, founder of Tesla and SpaceX, The Boring Company (TBC) constructs safe, fast-to-dig, low-cost, and zero-emissions transportation tunnels in order to alleviate traffic congestion.
WHY TUNNELS?

1. No conflict with currently operating transportation systems (roads and surface walkways)

2. Minimize use of valuable surface land

3. No surface noise or vibration, no effect on surface aesthetics (construction/operation is “invisible”), and no road closures.

4. Weatherproof

5. Shorter and straighter alignments allow for more direct and faster routes

6. No practical limit to how many layers of tunnels can be built, so can address any volume of traffic

7. Architecture can flexibly support different types of transportation (Loop AEVs, moving sidewalks, and pedestrian walkways)

8. Easily expanded

WHAT IS LOOP

High-speed, underground public transportation system

Public Transportation: Passengers are transported in compatible Autonomous Electric Vehicles (AEVs)

High-Speed: Speeds of up to 150 miles per hour

All-electric: Battery-powered, zero emissions

Express: Travel directly to your destination without stopping at intermediate stations
LOOP SAFETY

VEHICLE
AEVs (Tesla Model X and 3) are NHTSA 5-star rated
Lowest probability of injury of any vehicles ever
tested by NHTSA

SYSTEM
Wide walkway for emergency egress
Real-time gas and smoke detection
Ventilation system designed to NFPA standards
Direct communications within tunnel to Control
Center via tunnel intercoms, cell service, and WiFi

TRACK
No third rail or touch-hazards
Minimal fire load due to use of batteries
Highly resistant to water intrusion

ALIGNMENT OVERVIEW
INCREASE SPEED

1. Automated segment erection and logistics

2. Simultaneous mining and installation of reinforcement segments

3. 3x tunnel boring machine power

GOAL

1 MILE/ WEEK
DECREASE COST

1. Vertical integration

GOAL

2. Reduce and standardize tunnel diameter

< $10M/ MILE

3. Convert tunnel “muck” into bricks