



SFMTA

# Train Control Upgrade Project

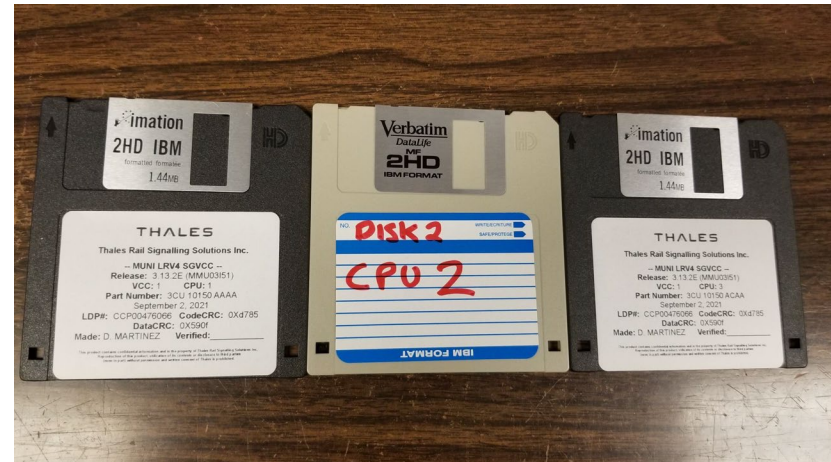
San Francisco Board of Supervisors  
Budget and Finance Committee  
November 16, 2022



Muni has a train control system currently operating in the subway.

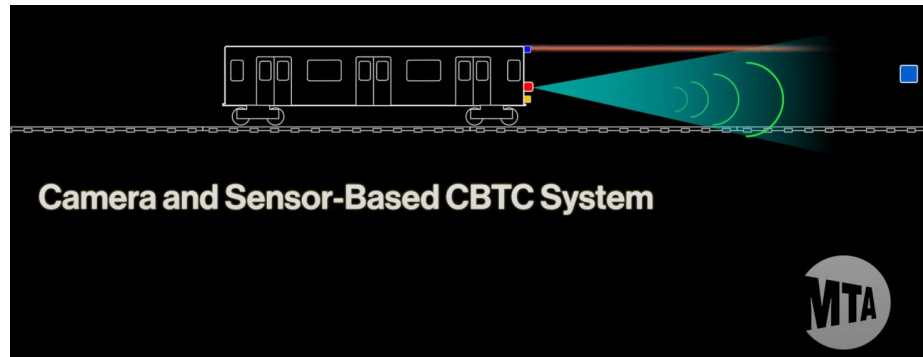
It is almost 25 years old

We need to replace the system this decade to keep our subway in a state of good repair.





We will benefit from the latest technologies offered by modern CBTC systems.



We can also get more benefits from improved design, such as expanding the CBTC system to the surface.







**Reduced delays:** Customers no longer “stuck” on trains between stations due to subway congestion or slow-moving trains with a communication failure

**Reduced travel times:** Trips on Muni will be faster as trains will not have to wait for traffic lights on the surface – the train control system will talk to the signals and let them know a train is coming



**Improved reliability:** More consistent wait times that match the advertised frequency of trains, which makes trip-planning more reliable

**Better service:** the new system will give train controllers more flexibility to manage bunching and gaps

# Benefits of including support contract with design RFP

Improves price and terms because firms are in competition with peers

## Key elements linked to strategic goals:



Performance-based support fee creates contractual elements for supplier to build reliability into initial design



Vendor-Managed Spares Inventory designed to incentivize reduced parts replacement



Regular software updates keeps hardware and software up to date

# SFMTA Board of Supervisors Ordinance Request

## SFMTA requesting BOS approval for an ordinance to allow:

- Advertisement of a supplier contract which extends past 10 years
- Negotiated procurement (i.e., best/final offer)

## Proposed Contract Duration:

- Design/Implementation Phase: **8 years**
- Initial Support Term: **10 years**
- Additional Support Terms (2 options): **5 years each**