

# On Route (TransitMaster)

Bus Hardware Upgrade

Michael Heuchert, Assistant Director, Bus  
Administration

# What is OnRoute?

- Computer-Aided Dispatch/ Automatic Vehicle Location
- Used for Real-Time Communication to / from the bus fleet to monitor and manage the bus operations in the field

## Current Situation

- OnRoute (formerly TransitMaster) was installed 23 years ago
- Five generations of bus computer hardware known as the IVLU (Integrated Vehicle Logic Unit)
- Currently all five generations are still used within the bus fleet.

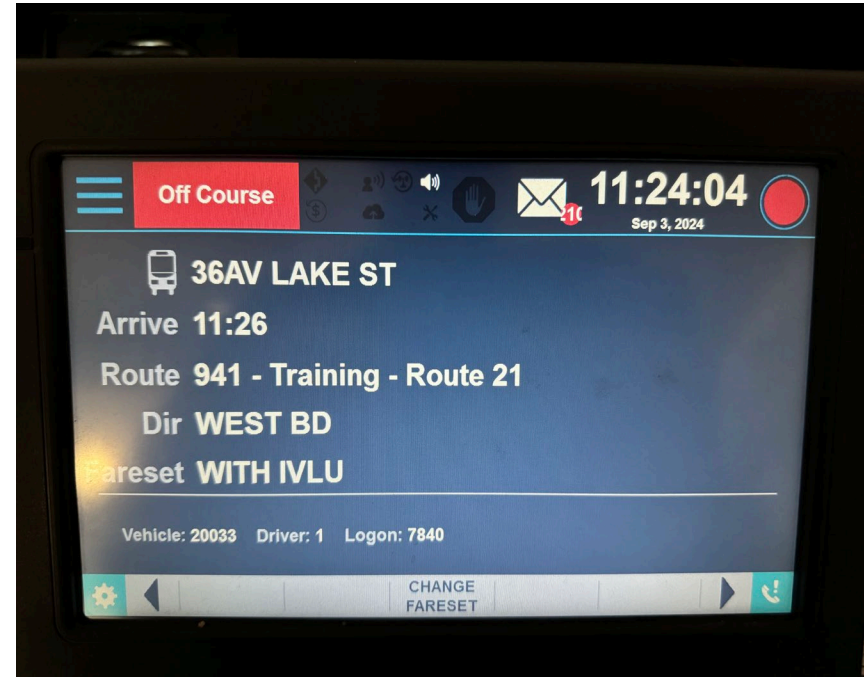
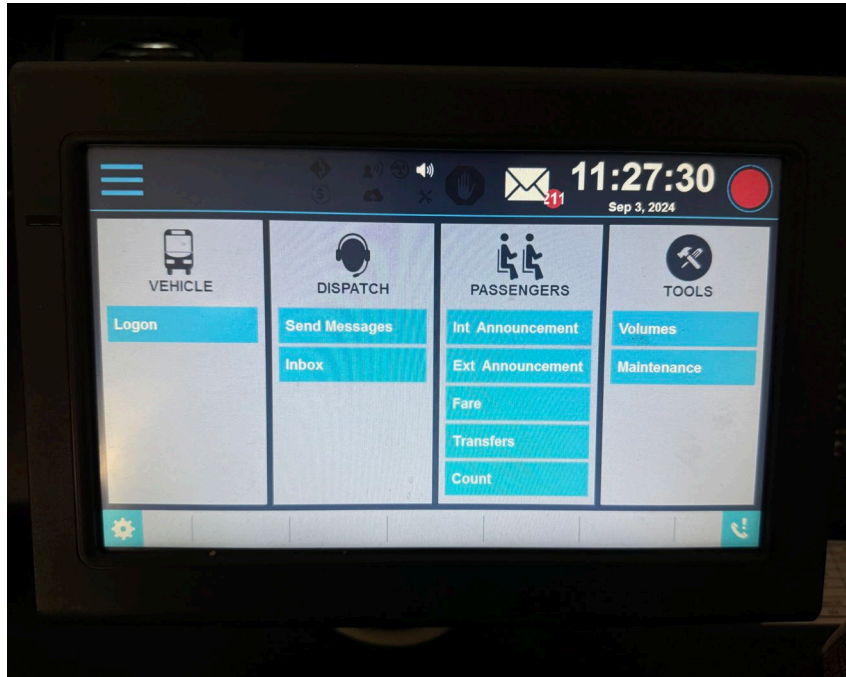
## Reason for the Upgrade

- The three oldest generations are at their end of life
- New system software enhancements require buses to have the two latest generations of IVLU's (V8 and VI) to use the enhancements.
- These new generations of IVLU's can run the new MDT enhanced user interface required to take advantage of the system software enhancements

# Reason for System Enhancements

- Allows Transit Control Center to provide better direction to operators
- Required for using Turn by Turn features... including detour routing information and route shuttle login abilities
- Touch-MDTs with the Enhanced user interface (available for VI/V8 IVLUs) provides improved displays for service adjustment messaging and notifications
- Allows Technology Systems group and Radio Communication group easier management of diagnostics. Lowering the failure rate of buses and providing more accurate data for TCC and reporting

# Touch MDT



## Phase II of the Upgrade

- A majority of the fleet has already been upgraded or replaced.
- There are about 140 buses remaining with the older hardware.
- This phase will upgrade 89 of the remaining buses.

## Proposed Action

- That the Metropolitan Council authorize the Regional Administrator to execute a sole source contract #24P223 with Vontas to provide mobile device terminals for bus upgrades in an amount not to exceed \$724,793.