



SDMTS Project Summary

SDMTS, Blue Line Trolley and Rapid Bus
Service Stations, San Diego, California

April 2021



Project Summary

The San Diego Metropolitan Transit System (SDMTS) is a public transit service provider for Central, South, Northeast and Southeast San Diego County, which includes the MTS bus, trolley light rail, and rapid bus transit services. In 2021, SDMTS extended its Blue Line Trolley service and its Rapid Bus Service from its Santa Fe Depot in downtown San Diego to UC San Diego.

SDMTS then commissioned NANOV DISPLAY INC to provide custom-designed 46" outdoor double-sided variable message signs (VMS) to its new Blue Line trolley and Rapid Bus Service stations through downtown San Diego and the university.

The specifications of the 46" VMS' include but are not limited to:

- Custom-designed 46" double-sided VMS that can display both real-time transit information and variable messages
- Vandal proof, tamper-proof, 1/4" glass screens with 3M solar heat reduction film coating
- Intelligent HVAC system that can be maintained and controlled remotely
- Sign enclosures that accommodate an overhang structure and power/data cable entry through square HSS pipes
- Low-power Chromebox computer commissioned to serve two screens in one sign
- Dust-proof stainless-steel enclosures that can withstand extreme heat and desert conditions

In addition, NANOV trained local maintenance contractors on how to maintain and operate the signs both in-person and remotely through NANOV's proprietary remote hardware health maintenance module.

Reference Photos



Figure 1: NANOV 46" Double-Sided Real Time Variable Message Sign (VMS) in San Diego Blue Line Station



Figure 2: NANOV 46" Double-Sided Real Time Variable Message Sign (VMS) in San Diego Blue Line Station



Figure 3: NANOV 46" Double-Sided Real Time Variable Message Sign (VMS) in San Diego Blue Line Station



Figure 4: NANOV 46" Double-Sided Real Time Variable Message Sign (VMS) in San Diego Rapid Bus Service Station



Figure 5: Integration and Commissioning of SDMTS Real Time VMS at NANO V R&D Facility in Brooklyn Navy Yard in Brooklyn, NY



Figure 6: Installation of NANO V 46" Double-Sided Real Time VMS in San Diego Rapid Bus Service Station featuring easy-open maintenance access doors



Figure 7: NANOV 46" Double-Sided Real Time Variable Message Sign (VMS) in San Diego Rapid Bus Service Station

Figure 8: NANOV 46" Double-Sided Real Time Variable Message Sign (VMS) in San Diego Rapid Bus Service Station

