## **ARCHITECTURAL AND VENTILATION / HVAC INTERVENTIONS TO** PROMOTE SAFE MOBILITY IN POST COVID-19 TRANSIT FACILITIES













UNDERGROUND (ENCLOSED) STATIONS (PATRONS, OPERATION & MAINTENANCE STAFF)



**Guiding Pedestrian Traffic (Barriers & Signage)** 

**Showing X' Distancing Requirement & Managing Boarding (Signage on Platform)** 

Displaying Real-Time Passenger Density in Train Cars (Phone Apps)

Displaying Real-Time Passenger Density & Other Various Info (Electronic Screens)

Reconfiguring Seating (Promoting Physical Distancing)

**Patron Counting (Monitoring Density at Entry Points)** 



**PHYSICAL 01** DISTANCING

**Automatic Fare Collection (Touch-Free System at Fare-Gates)** 

**Phone App-based Fare Collection** 

Voice Activated Systems (Ticketing Vending Machines, Elevators)

**Automatic Door Opening Systems** 

Touch-free Devices & Accessories (Soap & Paper-Towel Dispensers, Trash Receptacles, etc.)



**04** AIR SANITIZATION

**Extended Life Antimicrobial Surface Treatment** (for High-Frequency Handled Surfaces)

**Copper Coating / Patch** (for High-Frequency Handled Surfaces)

Self-Cleaning Nano Coating (for High-Frequency Handled Surfaces)

**Self-Cleaning Devices Utilizing UV-C Lights for Escalator Handrails** 

**Display Cleaning Logs** (in Public Areas and Restrooms)



Adding Filters (Electro-Static, Mechanical) to Ventilation System

**Increasing Air Exchange Rate in Public and Service Areas** 

**Air Sanitization Portals at Turnstiles** 

**Air Sanitization at Staff Service Rooms** 

Patron-Density Dependent Air Flow Interventions (Considering Peak-Time Ridership) Integration of Air Purification & HVAC System for Improved Air Quality

EFFECTIVENESS	EASE OF APPLICATION	CAPITAL INVESTMENT (COST)	O & M COSTS LOWERED	EQUITY ACHIEVED	OVERALL RATING
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\*Equity: Treating all patrons in a fair & unbiased way and providing universally accessible measures

Cost- Low

Cost- Moderate



Measure results in lowering long-term operation and maintenance costs

Overall rating-

Overall rating-Moderate Overall rating-

**GRAPHIC LEGEND** 

Equity\* Achieved

Moderate

\$\$\$ Cost- High