

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

## TRANSIT RAIL VEHICLES

ARCHITECTURAL INTERVENTIONS

VENTILATION INTERVENTIONS

**01 PHYSICAL DISTANCING**

- Showing X' Distancing Requirement (Signage in Rail Vehicles)
- Measuring Real-Time Passenger Density in Rail Vehicles (Phone Apps)
- Measuring Real-Time Passenger Density & Other Various Info (Electronic Indicators)
- Reconfiguring Seating (Promoting Physical Distancing)

**02 TOUCH-FREE DEVICES**

- Onboard Toilet Facilities w/ Touch-Free Devices
- Touch-Free Onboard Ticketing

**03 SURFACE TREATMENTS**

- 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)
- Display Cleaning Logs

**04 VENTILATION AND AIR SANITIZATION**

- Adding Filters (Electro-Static, Mechanical) to Ventilation System
- Increasing Air Exchange Rate
- Air Sanitization in Transit Rail Vehicles
- Individually Protected Air Treatment for Operator/Engineer

	EFFECTIVENESS	EASE OF APPLICATION	CAPITAL INVESTMENT (COST)	O & M COSTS LOWERED	EQUITY ACHIEVED	OVERALL RATING
	●	●	\$		⚖️	H
	◐	◐	\$\$			M
	◐	○	\$\$\$		⚖️	M
	●	◐	\$\$		⚖️	H
	●	◐	\$\$	✓	⚖️	H
	●	◐	\$\$			M
	●	◐	\$\$	✓	⚖️	H
	◐	○	\$\$\$	✓	⚖️	L
	●	●	\$\$	✓	⚖️	H
	●	●	\$	✓	⚖️	H
	◐	◐	\$\$	✓	⚖️	M
	●	◐	\$\$	✓	⚖️	H
	●	◐	\$\$	✓	⚖️	H
	●	◐	\$\$	✓	⚖️	H

**GRAPHIC LEGEND**

- ⚖️ Equity\* Achieved
- \*Equity: Treating all patrons in a fair & unbiased way and providing universally accessible measures
- High
- ◐ Moderate
- Low
- \$ Cost- Low
- \$\$ Cost- Moderate
- \$\$\$ Cost- High
- ✓ Measure results in lowering long-term operation and maintenance costs
- H Overall rating- High
- M Overall rating- Moderate
- L Overall rating- Low