TPO
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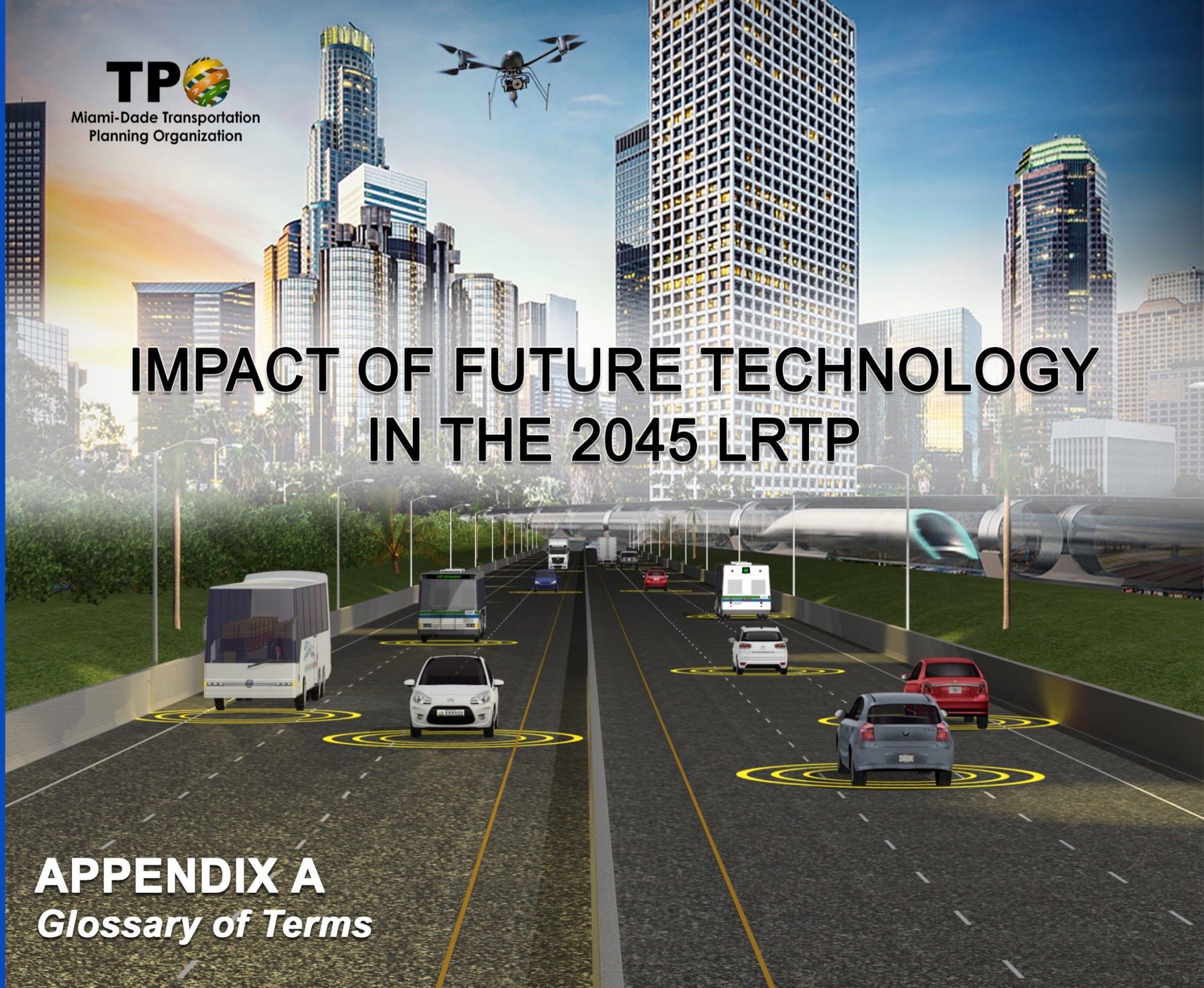
IMPACT OF FUTURE TECHNOLOGY IN THE 2045 LRTP



APPENDIX A
Glossary of Terms

FINAL REPORT – June, 2017
THE CORRADINO GROUP

A

AAA – *American Automobile Association*

AAAFTS – *AAA Foundation for Traffic Safety*

AASHTO – *American Association of State Highway and Transportation Officials*

ACC – *Adaptive Cruise Control*

ADA – *Americans with Disabilities Act*

AGV – *Automated Guided Vehicle*

AI – *Artificial Intelligence*

AINS – *Autonomous Intelligent Network and Systems (initiative)*

ANS – *Autonomous Navigation System*

APC – *Automated Passenger Counting*

APTA – *American Public Transportation Association*

ARPA – *Advanced Research Projects Agency*

ARTBA – *American Road and Transportation Builders Association*

ATD – *Advanced Technology Demonstration*

AV – *Autonomous Vehicles*

AVL – *Automatic Vehicle Location*

B

BRT – *Bus Rapid Transit*

BSP – *Bus Signal Priority*

BTS – *Bureau of Transportation Statistics*

C

CAFÉ – *Corporate Average Fuel Economy*

CAIT – *Center for Advanced Infrastructure and Transportation*

CFIRE – *National Center for Freight and Infrastructure Research and Education*

CIFTS – *Center for Intermodal Freight Transportation Studies*

CMAQ – *Congestion Mitigation and Air Quality Improvement*

CMS – *Center for Multimodal Solutions for Congestion Mitigation*

CO_2 – *Carbon Dioxide*

CTIS – *Center for Transportation Infrastructure and Safety*

CV – *Connected Vehicles*

CWS – *Collision Warning System*

D

DEER – *Driving Evaluation, Education, and Research Center*

DMV – *Department of Motor Vehicles*

DOT – *Department of Transportation*

DSRC – *Dedicated Short-range Communications*

E

EDR – *Event Data Recorder*

EHF – *Extremely High Frequency*

ELINT – *Electronic Intelligence*

EMC – *Electromagnetic Compatibility*

EMS – *Emergency Medical Services*

EPA – *U.S. Environmental Protection Agency*

EV – *Electric Vehicles*

F

FCC – *Federal Communications Commission*

FDOT – *Florida Department of Transportation*

FHWA – *Federal Highway Administration*

FMVSS – *Federal Motor Vehicle Safety Standard*

FTA – *Federal Transit Administration*

G

GBS – *Global Broadcast System*

GEOS – *Geosynchronous Earth Orbit Satellite*

GHG – *Greenhouse Gas*

GIFT – *Geospatial Intermodal Freight Transportation*

GIG – *Global Information Grid*

GIG-BE – *Global Information Grid-Bandwidth Expansion*

GIS – *Geographic Information System*

GPS – *Global Positioning System*

GREET – *Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation*

H

HMI – *Human Machine Interface*

HOT – *High-Occupancy Toll*

HOV – *High-Occupancy Vehicle*

I

ICE – *In-Car Entertainment (Infotainment)*

IIHS – *Insurance Institute for Highway Safety*

IoT – *Internet of Things*

IP – *Internet Protocol*

ISO – *International Organization for Standardization*

ITI – *Intermodal Transportation Institute*

ITS – *intelligent Transportation Systems*

ITS America – *Intelligent Transportation Society of America*

J

JWICS – *Joint Worldwide Intelligence Communications System*

K

Kbps – *Kilobits per second*

kWh – *kilowatt-hours*

L

LADAR – *Laser Detection and Ranging*

LIDAR – *Light Detection and Ranging*

LOA – *Level of Autonomy*

LOS – *Line of Sight*

LRT – *Light Rail Transit*

LTA – *Left-turn Assist*

M

MARS – *Mobile Autonomous Robot Software*

MATC – *Mid-America Transportation Center*

METRANS – *National Center for Metropolitan Transportation Research*

MHz – *Megahertz*

MISTI – *Materials in Sustainable Transportation Infrastructure*

MIT – *Massachusetts Institute of Technology*

MMS – *Mission Management System*

MPG – *Miles per Gallon*

MPH – *Miles per Hour*

MPO – *Metropolitan Planning Organization*

MTC – *Midwest Transportation Consortium*

N

NASA – *National Aeronautics and Space Administration*

NCHRP – *National Cooperative Highway Research Program*

NCIT – *National Center for Intermodal Transportation*

NCTR – *National Center for Transit Research*

NHTSA – *National Highway Traffic Safety Administration*

NIATT – *National Institute for Advanced Transportation Technology*

NOAA – *National Oceanic and Atmospheric Administration*

NRC – *National Research Council*

NTAD – *National Transportation Atlas Database*

NTC – *National Transportation Center*

NTIA – *National Telecommunications and Information Agency*

NTSB – *National Transportation Safety Board*

O

O&S – *Operations and Support*

OBU – *On-Board Unit*

OCU – *Operator Control Unit*

OEM – *Original Equipment Manufacturer*

P

PCBs – *Polychorinated Biphenyls*

Perceptor – *Perception for Off-road Robotics*

PHEV – *Plug-in Hybrid Electric Vehicle*

R

R&D – *Research and Development*

RF – *Radio Frequency*

RFID – *Radio Frequency Identification*

ROV – *Remotely Operated Vehicle*

S

S&T – *Science and Technology*

SAE – *Society of Automotive Engineers*

SATCOM – *Satellite Communications*

SAVs – *Shared Autonomous Vehicles*

SHF – *Super-high Frequency*

SLAM – *Simultaneous Localization and Mapping*

SRS – *Standardized Robotics System*

T

TAD – *Travel Assistant Device*

TCA – *Transformational Communications Architecture*

TDM – *Transportation Demand Management*

TOC – *Traffic Operations Center*

TOM – *Transportation Demand Management*

TRB – *Transportation Research Board*

TSA – *Transportation Security Administration*

TSP – *Transit Signal Priority*

TPO – *Transportation Planning Organization*

TTI – *Texas Transportation Institute*

U

UAV – *Unmanned Aerial Vehicle*

UHF – *Ultra High Frequency*

UMTRI – *University of Michigan Transportation Institute*

USDOT – *U.S. Department of Transportation*

UTC – *University Transportation Center*

UTCM – *University Transportation Center for Mobility*

V

V/C – *Volume to Capacity*

V2I – *Vehicle to Infrastructure*

V2V – *Vehicle to Vehicle*

V2X – *Vehicle to Technology*

VHF – *Very High Frequency*

VIN – *Vehicle Identification Number*

VMS – *Vehicle Management System*

VMT – *Vehicle Miles Traveled*

W

WNW – *Wideband Network Wave Form*

X

XUV – *Experimental Unmanned Vehicle*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