Photo: NYCDOT (New York)

4

References & Resources

Endnotes

1 Schaller, Bruce (2018). The New Automobility. Retrieved from: http://www.schallerconsult.com/rideservices/automobility.htm.

2 Schaller, Bruce (2018). The New Automobility. Retrieved from: http://www.schallerconsult.com/rideservices/automobility.htm, p. 2.

3 Bierstedt, Jane (2014). Effects of Next Generation Vehicles on Travel Demand and Highway Capacity. Retrieved from https://orfe.princeton.edu/~alaink/Papers/FP_NextGenVehicleWhitePaper012414.pdf.

4 Uber Elevate (n.d.). Aerial ridesharing at scale. Retrieved from: https://www.uber.com/us/en/elevate/uberair/.

5 Volvo S90 Owner's Manual. Retrieved from: https://carmanuals2.com/get/volvo-s90-2019-owner-s-manual-112198.

6 Society of Automotive Engineers Internations. (2018, June 15). Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles. Retrieved from: https://www.sae.org/standards/content/j3016_201806/.

7 Körber, Moritz, Cingel, Andrea, Zimmermann, Markus, Bengler, Klaus. 2015. Vigilance decrement and passive fatigue caused by monotony in automated driving. Procedia Manufacturing 3: 2403–9.

8 Greggs, T and Wakabayashi, D (2018, March 21). How a self-driving Uber killed a pedestrian in Arizona. The New York Times. Retrieved from: https://www.nytimes.com/interactive/2018/03/20/us/self-driving-uber-pedestrian-killed.

9 Toyota Camry Drivers Manual. Retrieved from: https://www.toyota.com/t3Portal/document/om-s/OM06122U/pdf/OM06122U.pdf, pp. 242-251.

10 Beene, R (2019, February 13). NHTSA's autopilot claim that Tesla touted disputed in new study. Bloomberg. Retrieved from: https://www.bloomberg.com/news/articles/2019-02-13/nhtsa-s-autopilot-claim-that-tesla-touted-disputed-in-new-study.

11 Voege, T and Zhivov, N (2016). Cooperative Mobility Systems and Automated Driving. Retrieved from: https://www.itf-oecd.org/sites/default/files/docs/cooperative-mobility-systems-automated-driving-roundtable-summary.pdf.

12 US Department of Transportation (2019). Automated Vehicles 3.0: Preparing for the Future of Transportation. Retrieved from: https://www.transportation.gov/av/3.

13 SELF DRIVE Act, H.R. 3388, 115th Congress. (2017).

14 US Department of Transportation (2019). Automated Vehicles 3.0: Preparing for the Future of Transportation. Retrieved from: https://www.transportation.gov/av/3, p. 23.

15 US Department of Transportation (2017). Automated Vehicles 2.0: A Vision for Safety. Retrieved from: https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/13069a-ads2.0_090617_v9a_tag.pdf, p. 16.

16 US Department of Transportation (2019). Automated Vehicles 3.0: Preparing for the Future of Transportation. Retrieved from: https://www.transportation.gov/av/3, p. 13.

17 US Department of Transportation (2019). Automated Vehicles 3.0: Preparing for the Future of Transportation. Retrieved from: https://www.transportation.gov/av/3, p. 20.

18 AV START Act, S. 1885, 115th Congress. (2017-2018).

19 Smith, R, Borkholder, J, Montgomery, M, Chen, M S. Uber State Interference: How TNCs Buy, Bully, and Bamboozle Their Way to Deregulation. Retrieved from: https://www.nelp.org/publication/uber-state-interference/.

20 Vock, D (2018, February 18). The Bike-Share Company Trying to Bypass Cities. Governing. Retrieved from: https://www.governing.com/topics/transportation-infrastructure/gov-dockless-bike-preemption-ofo-florida.html.

21 Cohen, J (2018, February 13). A New State Preemption Battlefield: Dockless Bikesharing. Citylab. Retrieved from: https://www.citylab.com/transportation/2018/02/florida-state-preemption-dockless-bikesharing/553235/.

22 Descant, S (2019, July 2). California, Other States Take on E-Scooter Regulations. Government Technology. Retrieved from: https://www.govtech.com/transportation/California-Other-States-Take-on-E-Scooter-Regulations.html.

23 State of California Department of Motor Vehicles (2018, April 2). Driverless testing of autonomous vehicles. Retrieved from: https://www.dmv.ca.gov/portal/dmv/detail/vr/autonomous/auto.

24 Phillips, E. (2018). The future of autonomous vehicles in American cities. NYU Journal of Legislation and Public Policy, 21(1). Retrieved from: http://www.nyujlpp.org/wp-content/uploads/2018/06/Legis-21-1-Note-Phillips-FutureAutonomousVehicle.pdf, p. 306.

25 American Public Transportation Association (2019, April). Public Transportation Fact Book. Retrieved from: https://www.apta.com/wp-content/uploads/APTA_Fact-Book-2019_FINAL.pdf, p. 12.

26 TransitCenter (2019, February). Who's on Board 2019: How to Win Back America's Transit Riders. Retrieved from: https://transitcenter.org/publication/whos-on-board-2019/.

27 New York City Department of Transportation (2014, August). SelectBusService Bx41 on Webster Avenue Progress. Retrieved from: http://web.mta.info/mta/planning/sbs/docs/WebsterAveSBS-ProgressReport-2014.pdf, p. 18.

28 Toronto Transit Commission (2019, April 2). The Future of King Street: Results of the Transit Pilot. Retrieved from: https://www.toronto.ca/legdocs/mmis/2019/ex/bgrd/backgroundfile-131188.pdf.

29 Transportation Trades Department, AFL-CIO (2019, March 2). Principles for the Transit Workforce in Automated Vehicle Legislation and Regulations. Retrieved from: https://ttd.org/policy/principles-for-the-transit-workforce-in-automated-vehicle-legislation-and-regulations/.

30 Hughes-Cromwick, M. (2018). APTA 2018 Public Transportation Fact Book. Retrieved from: http://www.apta.com/wp-content/uploads/Resources/resources/statistics/Documents/FactBook/2018-APTA-Fact-Book.pdf.

31 Kaufman, S. M, Smith, A, O'Connell, J.,Marulli, D. Intelligent Paratransit. Retrieved from: https://wagner.nyu.edu/files/rudincenter/2016/09/INTELLIGENT_PARATRANSIT.pdf.

32 Westervelt, M et al. (2018) UpRouted: Exploring Microtransit in the United States. Retrieved from: https://www.enotrans.org/wp-content/uploads/2018/01/UpRouted-18.pdf.

33 Urgo, J. (2018, May 5). Flex V. Fixed: An Experiment in On-Demand Transit [Web log message]. Retrieved from: https://transitcenter.org/adding-flexible-routes-improve-fixed-route-network/.

34 Flores Dewey, O. (2016) How Mexico City is Transforming a Jitney System into a World Class Bus Rapid Transit System . Retrieved from Publisher website: http://www.transformingurbantransport.com/.

35 TransLink (2018). 2018 Transit Service Performance Review: SkyTrain and West Coast Express Summaries. Retrieved from: https://public.tableau.com/profile/translink#!/vizhome/2018TSPR-RailSummaries/TableofContents.

36 TransLink (2019). SkyTrain Schedules. Retrieved from: https://www.translink.ca/Schedules-and-Maps/SkyTrain/SkyTrain-Schedules.aspx.

37 TransLink (2018). 2018 Transit Service Performance Review: SkyTrain and West Coast Express Summaries. Retrieved from: https://public.tableau.com/profile/translink#!/vizhome/2018TSPR-RailSummaries/TableofContents.

38 TransLink (2018). 2018 Transit Service Performance Review. Retrieved from: https://www.translink.ca/-/media/Documents/plans_and_projects/managing_the_transit_network/2018-TSPR/2018-Transit-Service-Performance-Review.pdf, p. 6.

39 A. Devlin, email communication, June 13, 2019.

40 Christof Speiler (2015). Reimagining the Bus [pdf]. Retrieved from https://nacto.org/wp-content/uploads/2015/07/Christof-Spieler-Morris-Architects_Reimagining-the-Bus.pdf.

41 US Federal Highway Administration (2017, February 21). "3.2 Trillion Miles Driven On U.S. Roads In 2016: New Federal Data Show Drivers Set Historic New Record." Retrieved from: https://www.fhwa.dot.gov/pressroom/fhwa1704.cfm.

42 INRIX (2018). "INRIX Global Traffic Scorecard." Retrieved from: http://inrix.com/scorecard/.

43 U.S. Environmental Protection Agency (2017). "Sources of Greenhouse Gas Emissions." Retrieved from: https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions.

44 M. Taiebat, S. Stolper, M. Xu. (2019). Forecasting the impact of connected and automated vehicles on energy use: a microeconomic study of induced travel and energy rebound. Appl Energy, 247 (2019), pp. 297-308, DOI: 10.1016/j.apenergy.2019.03.174.

45 Schaller, Bruce (2018). The New Automobility. Retrieved from: http://www.schallerconsult.com/rideservices/automobility.htm.

46 Tri-State Transportation Campaign (2018, January 4). Road Pricing in London, Stockholm, and Singapore. Retrieved from: http://nyc.streetsblog.org/wp-content/uploads/2018/01/TSTC_A_Way_Forward_CPreport_1.4.18_medium.pdf.

47 Tri-State Transportation Campaign (2018, January 4). Road Pricing in London, Stockholm, and Singapore. Retrieved from: http://nyc.streetsblog.org/wp-content/uploads/2018/01/TSTC_A_Way_Forward_CPreport_1.4.18_medium.pdf.

48 Börjesson, M., Eliasson, J., Hugosson, M. B., & Brundell Freij, K. (2012). The Stockholm congestion charges—5 years on. Effects, acceptability and lessons learnt. Transport Policy, 20(1–12).

49 Schaller, Bruce (2017). Making Congestion Pricing Work for Traffic and Transit in New York City. Retrieved from: http://schallerconsult.com/rideservices/makingpricingwork.pdf, p. 8.

50 Schaller, Bruce (2017). Making Congestion Pricing Work for Traffic and Transit in New York City. Retrieved from: http://schallerconsult.com/rideservices/makingpricingwork.pdf, p. 1.

51 Tri-State Transportation Campaign (2018, January 4). Road Pricing in London, Stockholm, and Singapore. Retrieved from: http://nyc.streetsblog.org/wp-content/uploads/2018/01/TSTC_A_Way_Forward_CPreport_1.4.18_medium.pdf, p. 10.

52 Hedgpeth, D. (2018, September 5). Toll hits $46.75 on I-66 lanes inside the Beltway. Washington Post. Retrieved from: https://www.washingtonpost.com/transportation/2018/09/05/toll-hits-i-lanes-inside-beltway.

53 Team London Bridge (n.d.). Bikes for Business. Retrieved from: https://www.teamlondonbridge.co.uk/bikesforbusiness.

54 U.S. Federal Highway Administration (2017). Income-Based Equity Impacts of Congestion Pricing—A Primer. Retrieved from: https://ops.fhwa.dot.gov/publications/fhwahop08040/cp_prim5_03.htm.

55 Tri-State Transportation Campaign (2018, January 4). Road Pricing in London, Stockholm, and Singapore. Retrieved from: http://nyc.streetsblog.org/wp-content/uploads/2018/01/TSTC_A_Way_Forward_CPreport_1.4.18_medium.pdf, p. 6.

56 Transport for London (2019). Pay as you go caps. Retrieved from: https://tfl.gov.uk/fares/find-fares/tube-and-rail-fares/pay-as-you-go-caps.

57 Schaller, Bruce (2018). Empty Seats, Full Streets. Retrieved from: http://schallerconsult.com/rideservices/emptyseatsfullstreets.pdf, p. 8.

58 Seattle Department of Transportation. (2019, May 23). Let's talk about managing Seattle's congestion in a fair and equitable way. [Blog post]. Retrieved from http://www.seattle.gov/transportation/getting-around/driving-and-parking/congestion-pricing.

59 District Department of Transportation (January 2019). ParkDC Penn Quarter/Chinatown Parking Pricing Pilot: Final Results. Retrieved from: https://ddot.dc.gov/sites/default/files/dc/sites/ddot/page_content/attachments/parkDC%20-%20Executive%20Summary_Final_20190109.pdf.

60 Tri-State Transportation Campaign (2018, January 4). Road Pricing in London, Stockholm, and Singapore. Retrieved from: http://nyc.streetsblog.org/wp-content/uploads/2018/01/TSTC_A_Way_Forward_CPreport_1.4.18_medium.pdf.

61 Krzanich, B. (2017, December 20). Brian Krzanich, CEO, Intel - Driven by Data - AutoMobility LA [video file]. Retrieved from: https://www.youtube.com/watch?v=EskMldJrJdk.

62 de Montjoye, Y.-A., Hidalgo, C. A., Verleysen, M., & Blondel, V. D. (2013). Unique in the Crowd: The privacy bounds of human mobility. Scientific Reports, 3, 1376. Retrieved from: https://doi.org/10.1038/srep01376.

63 Atockar (2014, September 15). Riding With The Stars: Passenger Privacy in the NYC Taxicab Dataset. Retrieved from: https://research.neustar.biz/author/atockar/.

64 Stewart, E (2018, December 21). Facebook scandals, 2018. Vox. Retrieved from: https://www.vox.com/technology/2018/12/21/18149099/delete-facebookscandals-2018-cambridge-analytica.

65 MacMillan, D and MacMillan, R (2018, October 8). Google Exposed User Data, Feared Repercussions of Disclosing to Public. Wall Street Journal. Retrieved from: https://www.wsj.com/articles/google-exposeduser-data-feared-repercussions-of-disclosing-topublic-1539017194.

66 Melley, B (2019, January 8). Weather Channel app accused of selling users' personal data. Seattle Times. Retrieved from: https://www.seattletimes.com/business/la-suesweather-channel-alleging-it-sold-app-users-data/.

67 Laseter, T (2018, July 30). The Rise of the Last-Mile Exchange. Strategy+Business. Retrieve from: https://www.strategy-business.com/article/The-Rise-of-the-Last-Mile-Exchange?gko=d0a62.

68 American Transportation Research Institute (2018, October). Cost of Congestion to the Trucking Industry: 2018 Update. Retrieved from: https://atri-online.org/wp-content/uploads/2018/10/ATRI-Cost-of-Congestion-to-the-Trucking-Industry-2018-Update-10-2018.pdf p. 6.

69 Ploos van Amstel, W., Balm, S., Warmerdam, J., Boerema, M., Altenburg, M., Rieck, F., & Peters, T. (2018). City logistics: light and electric: LEFV-LOGIC: research on light electric freight vehicles. (Publications by Amsterdam University of Applied Sciences Faculty of Technology; No. 13). Amsterdam: Hogeschool van Amsterdam.

70 Christian, A. W., & Cabell, R. (2017). Initial Investigation into the Psychoacoustic Properties of Small Unmanned Aerial System Noise. In 23rd AIAA/CEAS Aeroacoustics Conference. American Institute of Aeronautics and Astronautics. https://doi.org/doi:10.2514/6.2017-4051.

71 US Department of Transportation, Bureau of Transportation Statistics (2018). Transportation Economic Trends 2018. Retrieved from: https://www.bts.gov/transportation-economic-trends/tet-2018-chapter-4-employment.

72 Volvo Vera. Retrieved from: https://www.volvotrucks.com/en-en/about-us/automation/vera.html.

73 Reid, C (2019, May 31). E-Cargobikes Do 30 Daily Drops Compared To 12 By Van, Finds 154-Year-Old London Courier Company. Forbes. Retrieved from: https://www.forbes.com/sites/carltonreid/2019/05/31/e-cargobikes-do-30-daily-drops-compared-to-12-by-van-finds-154-year-old-london-courier-company/.

74 Bui, Q (2015, February 5). Map: The Most Common Job In Every State. NPR. Retrieved from: https://www.npr.org/sections/money/2015/02/05/382664837/map-the-most-common-job-in-every-state.

75 Center for Global Policy Solutions. (2017). Stick Shift: Autonomous Vehicles, Driving Jobs, and the Future of Work. Washington, DC: Center for Global Policy Solutions.

76 Chiarenza, Jonah, Margo Dawes, Alexander K. Epstein, PhD, Donald Fisher, PhD, and Katherine Welty (2018). Optimizing Large Vehicles for Urban Environments. Retrieved from: https://nacto.org/wp-content/uploads/2018/12/NACTO-Volpe-Optimizing-Large-Vehicles_ADAS.pdf.

77 Paine, G (2019, May 3). Drones to deliver incessant buzzing noise, and packages. The Conversation. Retrieved from: https://theconversation.com/drones-to-deliver-incessant-buzzing-noise-and-packages-116257.

78 Center for Disease Control and Prevention (2016). Vital Signs: Motor Vehicle Injury Prevention — United States and 19 Comparison Countries. Retrieved from: https://www.cdc.gov/mmwr/volumes/65/wr/mm6526e1.htm?s_cid=mm6526e1_w.

79 U.S. Environmental Protection Agency (2017). "Sources of Greenhouse Gas Emissions." Retrieved from: https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions.

Resources

General

Borowiec, Christina, Kailey Laidlaw, Sean Nash, Vincent Racine, Oliver Rojas, Sean Turkenicz,and Yvonne Verlinden. (2016). Planning for Autonomous Vehicles: Imagining Future Alternatives. (Studio final report prepared for the City of Toronto). Ryerson University, Toronto, Canada. Retrieved from: http://transformlab.ryerson.ca/wp-content/uploads/2016/12/Ryerson.University.Nov_.2016.Studio.Technical.Report.pdf

Knorr, Aaron/Perkins + Will. Designing for Future Mobility: Developing a Framework for the Livable Future City. Retrieved from: http://research.perkinswill.com/articles/designing-the-future-of-mobility-developing-a-framework-for-the-livable-future-city/

New York City Department of Transportation. (2016). Strategic Plan: 2016. New York, NY. Retrieved from: January 9th 2019. https://www.nycdotplan.nyc/PDF/Strategic-plan-2016.pdf

San Francisco Public Works. (2017). Vision Zero San Francisco: Two-Year Action Strategy 2017-2018. San Francisco, CA. Retrieved from: https://issuu.com/sfmta_marketing/docs/vision_zero_action_strategy_final_d?e=1632400/45840967

Schaller, Bruce. (2018). The New Automobility: Lyft, Uber and the Future of American Cities. Retrieved from: http://www.schallerconsult.com/rideservices/automobility.pdf

Shoup, Donald, ed. (2017). Parking and the City. New York, NY: Routledge

Skinner, R., and N. Bidwell/WSP Parsons Brinckerhoff. (2016). Making Better Places: Autonomous Vehicles and Future Opportunities. Retrieved from: http://www.wsp-pb.com/globaln/uk/wsppb-farrells-av-whitepaper.pdf

Sandt, L., and J.M. Owens/Pedestrian and Bicycle Information Center. (2017). Discussion Guide for Automated and Connected Vehicles, Pedestrians, and Bicyclists. Retrieved from: http://www.pedbikeinfo.org/cms/downloads/PBIC_AV_Discussion_Guide.pdf

Understanding AVs

California Department of Motor Vehicles. (2018). Order to Adopt: Title 13, Division 1, Chapter 1. Article 3.7 – Testing of Autonomous Vehicles and Article 3.8 – Deployment of Autonomous Vehicles.Retrieved from: https://www.dmv.ca.gov/portal/wcm/connect/a6ea01e0-072f-4f93-aa6c-e12b844443cc/DriverlessAV_Adopted_Regulatory_Text.pdf?MOD=AJPERES

Isaac, L. (2016). How Local Governments Can Plan for Autonomous Vehicles. Road Vehicle Automation 3, 59–70.

Martinez, L. (2016). Urban Mobility System Upgrade: How Shared Self-Driving Cars Could Change Traffic. Retrieved from the International Transport Forum website: http://www.internationaltransportforum.org/Pub/pdf/15CPB_Self-drivingcars.pdf

National Highway Traffic Safety Administration. (2017). Automated Driving Systems: A Vision for Safety. Retrieved from: https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/13069a-ads2.0_090617_v9a_tag.pdf

National League of Cities. (2017). Autonomous Vehicles: A Policy Preparation Guide. Retrieved from: https://www.nlc.org/sites/default/files/2017-04/NLC%20AV%20Policy%20Prep%20Guide.pdf

US Department of Transportation. (2018, October 4). Preparing for the Future of Transportation: Automated Vehicles 3.0. Retrieved from: https://www.transportation.gov/sites/dot.gov/files/docs/policy-initiatives/automated-vehicles/320711/preparing-future-transportation-automatedvehicle-30.pdf

Pricing

International Council on Clean Transportation/Pike, Ed. (2010). Congestion Charging: Challenges and Opportunities. Retrieved from: https://www.theicct.org/sites/default/files/publications/congestion_apr10.pdf

Seattle Department of Transportation. (2019, May 23). Let's talk about managing Seattle's congestion in a fair and equitable way. [Blog post]. Retrieved from http://www.seattle.gov/transportation/getting-around/driving-and-parking/congestion-pricing

Seattle Department of Transportation. (2019, May). Seattle Congestion Pricing Study. Retrieved from Seattle.gov website: http://www.seattle.gov/Documents/Departments/SDOT/About/SeattleCongestionPricingStudy_SummaryReport_20190520.pdf

Simoni, Michele, Kara Kockelman, Krishna Gurumurthy, and Joschka Bischoff. (2018). Congestion Pricing in a World of Self-Driving Vehicles: An Analysis of Different Strategies in Alternative Future Scenarios." Forthcoming in Transportation Research Part C: Emerging Technologies. Retrieved from: https://arxiv.org/ftp/arxiv/papers/1803/1803.10872.pdf

Transit

National Academies of Sciences, Engineering, and Medicine. (2015). Preliminary Strategic Analysis of Next Generation Fare Payment Systems for Public Transportation. Washington, DC: The National Academies Press.

National Academies of Sciences, Engineering, and Medicine. (2016). Shared Mobility and the Transformation of Public Transit. Washington, DC: The National Academies Press. Retrieved from: https://doi.org/10.17226/23578

National Association of City Transportation Officials. (2017). Curb Appeal: Curbside Management Strategies for Improving Transit Reliability. Retrieved from: https://nacto.org/tsdg/curb-appeal-whitepaper/

Toronto Transit Commission. (2017). Implications of Automated Vehicles for TTC. Retrieved from Toronto Transit Commission website: https://www.ttc.ca/About_the_TTC/Commission_reports_and_information/Commission_meetings/2017/March_22/Reports/10_Implications_of_Automated_Vehicles_for_TTC.pdf

TransitCenter. (2018). ROBOT CARS vs. TRANSIT. TransitTools, volume 8. Retrieved from: http://transitcenter.org/wp-content/uploads/2018/09/RobotCars.pdf

WSB and Associates, Inc., and AECOM. (2018, June). MnDOT Autonomous Bus Pilot Project Testing and Demonstration Summary. Retrieved from Minnesota Department of Transportation website: http://www.dot.state.mn.us/research/reports/2019/201904.pdf

Urban Freight

City of San Francisco. (2019). Section 794 – Autonomous Delivery Devices on Sidewalks – Permit Required. (Public Works Code Article 15). Retrieved from: http://library.amlegal.com/nxt/gateway.dll/California/publicworks/publicworkscode?f=templates$fn=default.htm$3.0$vid=amlegal:sanfrancisco_ca$sync=1

Flachi, Manuela, Svetlana Popova, Lina Konstantinopoulou, Jean-Charles Pandazis, Giacomo Somma, Aristos Halatsis, and Alexander Stathacopoulos. (2016). Urban Freight and Service Transport in European Cities. Brussels, Belgium: Nogelog

Flämig H. (2016). Autonomous Vehicles and Autonomous Driving in Freight Transport. Autonomous Driving, edited by M. Maurer, J. Gerdes, B. Lenz, and H. Winner. Berlin, DE: Springer

International Transport Forum. (2018) The Shared-Use City: Managing the Curb. Retrieved from the International Transport Forum-Corporate Partnership Board Report website: https://www.itf-oecd.org/sites/default/files/docs/Shared-use-city-managing-curb_3.pdf

International Transport Forum. (2017). Managing the Transition to Driverless Road Freight Transport. Retrieved from: https://www.itf-oecd.org/managing-transition-driverless-road-freight-transport

Mitman, Meghan F., Steve Davis, Ingrid Armet, and Evan Knopf. (2018). Curbside Management Practitioners Guide. Retrieved from the Institute of Transportation Engineers website: https://www.ite.org/pub/?id=C75A6B8B-E210-5EB3-F4A6-A2FDDA8AE4AA

Nelson/Nygard Consulting Associates. (2014). District Department of Transportation Curbside

Management Study. Retrieved from the District Department of Transportation website: https://comp.ddot.dc.gov/Documents/District%20Department%20of%20Transportation%20Curbside%20Management%20Study.pdf

Ranieri, L, S. Digiesi, B. Silvestri, and M. Roccotelli, (2018). A Review of Last Mile Logistics Innovations in an Externalities Cost Reduction Vision. Sustainability 10, 782

USDOT Volpe Center/Chiarenza, Jonah, Margo Dawes, Alexander K. Epstein, Donald Fisher, and Katherine Welty. (2018). Optimizing Large Vehicles for Urban Environments: Advanced Driver Assistance Systems and Downsizing. Retrieved from NACTO website: https://nacto.org/optimizing-large-vehicles/

Data

Hasem, Ibrahim A. T., Victor Chang, Nor Badrul Anua, Adewole K. S., Ibrar Yaqoob, and Abdullah Gani. (2016). The Role of Big Data in Smart City. International Journal of Information Management, 36, 5

National Academies of Sciences, Engineering, and Medicine. (2015). Open Data: Challenges and Opportunities for Transit Agencies. Washington, DC: The National Academies Press. Retrieved from: https://doi.org/10.17226/22195.

National Association of City Transportation Officials & International Municipal Lawyers Association. (2019). Managing Mobility Data. Retrieved from NACTO website: https://nacto.org/wp-content/uploads/2019/05/NACTO_IMLA_Managing-Mobility-Data.pdf

Valentino-DeVries, Jennifer, Natasha Singer, Michael Keller, and Aaron Korlik. (2018, December 10). Your Apps Know Where You Were Last Night, and They're Not Keeping it Secret. New York Times. [New York]. Retrieved from: https://www.nytimes.com/interactive/2018/12/10/business/location-data-privacy-apps.html

Street Design

Collarte, Natalia. (2012). The Woonerf Concept: Rethinking a Residential Street in Somerville. (Master's thesis). Tufts University, Somerville, MA

CROW. (2007). Design manual for bicycle traffic. Retrieved from: https://www.crow.nl/publicaties/design-manual-for-bicycle-traffic

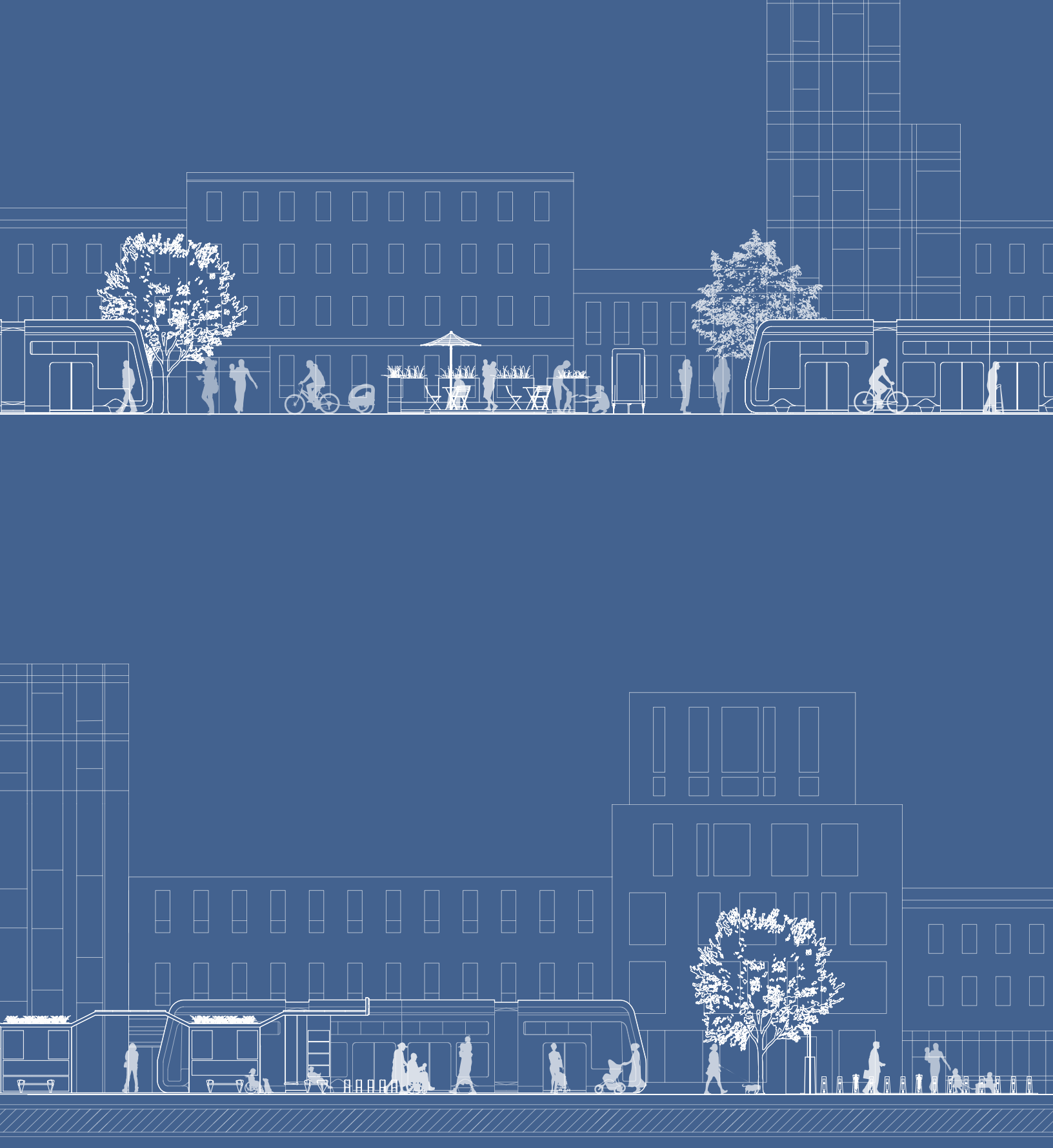
Ma, Qinglu, Kara Kockelman, and Marc Segal. (2017) Making The Most Of Curb Spaces In A World Of Shared Autonomous Vehicles: A Case Study Of Austin, Texas. (Paper presented at the Transportation Research Board Conference). Retrieved from: https://www.caee.utexas.edu/prof/kockelman/public_html/TRB17ReusingCurbParking.Pdf

National Association of CityTransportation Officials. (2013). Urban Street Design Guide. New York, NY: Island Press

National Association of CityTransportation Officials. (2017). Designing for All Ages & Abilities: Contextual Guidance for High-Comfort Bicycle Facilities. Retrieved from NACTO website: https://nacto.org/wp-content/uploads/2017/12/NACTO_Designing-for-All-Ages-Abilities.pdf

National Association of CityTransportation Officials. (2019). Don't Give Up At The Intersection: Designing All Ages and Abilities Bicycle Crossings. Retrieved from NACTO website: https://nacto.org/wp-content/uploads/2019/05/NACTO_Dont-Give-Up-at-the-Intersection.pdf

Photo: City of Toronto



National Association of City Transportation Officials
120 Park Ave, 21st Floor
New York, NY 10017

NACTO