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16. ABSTRACT  
 The Center for International Trade and Transportation hosted Smart Freight Week at Hotel Maya in Long Beach, California, October 14-18, 2019. The week's events included the CITT Town Hall addressing the future of port operations, a MetroFreight workshop for policy makers and planners from around the world looking at complete street solutions for freight, and the 8th METRANS International Urban Freight Conference (I-NUF) along with other miscellaneous receptions, meetings, and tours. This events gathered more than 500 attendees from over 18 different countries and provided forums for researchers, policymakers, and practitioners to build a dialogue on the future of the transportation industry.

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## FINAL PRODUCT PACKAGE

Caltrans Task Manager: Patrick Tyner<sup>[OBJ:OBJ]</sup>

Project ID:

Task Order No.: TO 016 (O'Brien)

Contract No.: 65A0674

Task Title: International Urban Freight Conference/Smart Freight Week

The Center for International Trade and Transportation recently hosted Smart Freight Week at Hotel Maya in Long Beach, California, October 14-18, 2019. The week's events included the CITT Town Hall addressing the future of port operations, a MetroFreight workshop for policy makers and planners from around the world looking at complete street solutions for freight, and the 8th METRANS International Urban Freight Conference (I-NUF) along with other miscellaneous receptions, meetings, and tours. See the complete agenda below.

These events gathered more than 500 attendees from over 18 different countries and provided forums for researchers, policymakers, and practitioners to build a dialogue on the future of the transportation industry.

Following the events, CITT completed the following:

- Completed all wrap-up activities and delivered final documents to Caltrans Order Manage
- Identified opportunities to continue Mentor program into 2020, including opportunities to incorporate into the spring Freight Academies.

### Smart Freight Week Agenda

- Pages 3-4: Complete Agenda

#### Monday, October 14: Air Cargo Workshop

- Pages 5-7: Contacts and Questions
- Pages 8-9: Bios

#### Tuesday, October 15, Morning: CITT Town Hall

- Pages 10-21: Town Hall Program
- Recording of Meeting:  
<https://www.youtube.com/watch?v=5cVysv9OdoA&feature=youtu.be>
- Event Webpage: <https://www.cpie.csulb.edu/CITT/about.aspx?pID=148>
- Introductory Video:  
<https://www.youtube.com/watch?v=l-VayHWe50s&feature=youtu.be>

#### Tuesday, October 15, Afternoon: MetroFreight Policy Makers Workshop

- Pages 22-25: Workshop Participants
- Pages 26-55: Complete Streets Considerations for Freight and Emergency Vehicle Operations, An Overview PowerPoint
- Pages 56-57: Workshop Agenda
- Pages 58-71: A Latin American Perspective PowerPoint
- Pages 72-80: Healthy Streets – A London Perspective PowerPoint
- Pages 81-82: Urban Freight Solutions for a Smart City Project Description
- Workshop Project Story Map:  
<http://csulb.maps.arcgis.com/apps/MapJournal/index.html?appid=1afdf9f31e7f4e02bd7c0b9854da724a>

Wednesday, October 16: Caltrans Mentor Reception

- Pages 83-86: Attendee List
- Page 87: Invitation Letter
- Pages 88-89: Invitee List

Wednesday, October 16 to Friday, October 18: International Urban Freight Conference (I-NUF)

- Pages 90-101: Detailed I-NUF agenda

**DRAFT ITINERARY**  
**SMART FREIGHT WEEK**  
Caltrans / CSULB  
Week of October 14, 2019

**Contact names and cell phone numbers:**

Yatman Kwan	916.261.4894
Alison Nealon	
Tom O'Brien	562.243.7370
Elizabeth Warren	310.922.6227

**Monday, October 14**

<b>11:30 a.m.</b>	<b>Depart Long Beach for Chevron</b> <i>324 West El Segundo Blvd., El Segundo, CA</i>
<b>12:30 p.m.</b>	<b>Arrival at Chevron</b> Parking instructions: The entry gate to "Chevron Employees Park", is adjacent to and west of Chevron/McDonald'
<b>1:00 p.m.</b>	<b>Roundtable: Air Cargo Impacts on Urban Freight</b>
<b>2:45 p.m.</b>	<b>Depart for Griley AirFreight</b> <i>5341 W. 104<sup>th</sup> Street, Los Angeles, CA 90045</i>
<b>3:00 p.m.</b>	<b>Tour of Griley AirFreight facility (1 hour)</b>
<b>4:15 p.m.</b>	<b>Depart Griley AirFreight</b>
<b>5:30 p.m.</b>	<b>Arrive Hotel Maya, Long Beach</b>

**Tuesday, October 15**

<b>7:30 a.m.</b>	<b>Breakfast</b> <i>Lagunita Pavilion</i>
<b>8:00—10:00 a.m.</b>	<b>Town Hall Meeting</b> <i>Lagunita Pavilion</i>
<b>10:00-11:30 a.m.</b>	<b>Break</b>
<b>11:30 a.m.</b>	<b>Lunch</b> <i>Miramar</i>
<b>12:00—4:00 p.m.</b>	<b>MetroFreight Workshop: Urban Freight Solutions for a Smart City</b> <i>Miramar</i>
<b>Dinner</b>	<b>On your own.</b>

**Wednesday, October 16**

<b>7:30--8:30 a.m.</b>	<b>Continental Breakfast and Check In</b> <i>Vista del Mar</i>
<b>8:30--10:00 a.m.</b>	<b>Opening Plenary Session</b> <i>Lagunita Pavilion</i>
<b>10:00-10:30 a.m.</b>	<b>Break</b> <i>Vista del Mar</i>
<b>10:30 AM - Noon</b>	<b>Concurrent Sessions</b>

Noon-1:30 PM      **Lunch**  
*Lagunita Pavilion*

1:30-3:00 PM      **Concurrent Sessions**

3:00-3:30 PM      **Break**  
*Vista del Mar*

3:30-5:00 PM      **Concurrent Sessions**

5:00-7:00 PM      **Reception**  
*Esplanade*

**Thursday, October 17**

7:30--8:30 a.m.      **Continental Breakfast and Check In**  
*Vista del Mar*

8:30--10:00 a.m.      **Plenary Session**  
*Lagunita Pavilion*

10:00--10:30 a.m.      **Break**  
*Vista del Mar*

10:30 a.m.--Noon      **Concurrent Sessions**

Noon--1:30 p.m.      **Keynote Luncheon**  
*Lagunita Pavilion*

1:30--3:00 p.m.      **Concurrent Sessions**

3:30--5:00 p.m.      **Concurrent Sessions**

5:00—5:30 p.m.      **TRB Urban Freight Committee Meeting**

5:30-7:30 p.m.      **Caltrans Mentors Reception**  
*Esplanade*

**Friday, October 18**

7:30--8:30 a.m.      **Continental Breakfast and Check In**  
*Vista del Mar*

8:30--10:00 a.m.      **Plenary Session**  
*Lagunita Pavilion*

10:00--10:30 a.m.      **Break**  
*Vista del Mar*

10:30 a.m.--Noon      **Concurrent Sessions**

12:30--4:30 p.m.      **SITE TOUR *Optional***  
**Limited Seating: Long Beach Container Terminal Tour and Port of Los Angeles Demonstrations**

**Saturday, October 19**

Check out of Hotel Maya, Depart Long Beach

## AIR CARGO CONTACTS

### CHEVRON:

Lily Craig | Corporate Affairs, El Segundo Refinery External Affairs Manager

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Tel: 310 615-5483 | Fax: 310 615-5520

[LilyCraig@chevron.com](mailto:LilyCraig@chevron.com)

Jeff Wilson, Senior Representative, Policy, Government & Public Affairs

Chevron Products Company | 324 West El Segundo Blvd., El Segundo, CA 90245

Tel: 310-615-4002 | Cell 310-502-3599 | Fax 310-615-5520

[jfw@chevron.com](mailto:jfw@chevron.com)

### SPEAKERS, in order of presentation:

Vincent Iacopella

EVP Growth and Strategy

Alba Wheels Up International Inc

5230 Pacific Concourse Dr Ste 390, Los Angeles, CA 90045

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Katie Griley

VP of Sales and Operations

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Beverly Aguilin

Director of Operations

Rock-It Cargo USA LLC

5343 W Imperial Hwy Ste 900, Los Angeles, CA

90045 Phone: (310) 410-0935

[BeverlyA@rockitcargo.com](mailto:BeverlyA@rockitcargo.com)

## AIR CARGO QUESTIONS

### TOPICS FROM CALTRANS THEY'D LIKE TO DISCUSS:

- 1) How can different levels of government help with your business? Local, county, state, and national.
- 2) Sustainability is a big focus for CA, does your business have any efforts, internally or externally, to be more sustainable including environmental and community efforts.
- 3) What are the biggest barriers in the near term you see in the air cargo industry? How do you plan to mitigate these?
- 4) Technology is changing rapidly, how has your operations shifted from 20, 10 years ago to the operations you have today? Did you get any help from the government?
- 5) If there is one thing you want to present to the Governor regarding air cargo, what will that be? Challenges/opportunities?

1. Topics: We'd like for each speaker to give a brief overview of your company's business operations so Caltrans staff understand what you do, and from your perspective the challenges your company has experienced. We'd also like each speaker to give a little background information on regional and local issues as described in the list below.

2. Time limits: Please keep comments to 10 minutes, and no more than 12, so we have plenty of time for interactive discussion. Caltrans will try to send topics or questions they'd like to discuss, and I will forward before the Monday.

3. PowerPoints: Please try to send PowerPoint presentations by Sunday night, as I will not be available Monday morning to download. Otherwise, please bring on a flash drive. (I plan to arrive at the Chevron Club House by 12:30 p.m. on Monday to set up computer, projector, etc., so please arrive a few minutes early if needed to pre-load your presentation.)

Below is the final schedule and location details:

- 12:45 p.m. Arrival at Chevron: 324 West El Segundo Blvd., El Segundo, CA  
Parking instructions: The entry gate to "Chevron Employees Park", is adjacent to and west of Chevron/McDonald  
Room Location: We will be meeting in the Club House
- 1:00 p.m. Roundtable: Air Cargo Impacts on Urban Freight
- 2:45 p.m. Depart for Griley AirFreight: 5341 W. 104th Street, Los Angeles, CA 90045
- 3:00 p.m. Tour of Griley AirFreight facility (approx. 1 hour)
- 4:15 p.m. Depart Griley AirFreight

The format of the program is as follows:

- 1:00 Welcome & Introductions: Elizabeth Warren (2 min)

Welcome: Jeff Wilson, Chevron (2 min)

Speaker 1: Vince Iacopella, Alba Wheels Up - Overview of Regional Challenges to Air Cargo Industry (10-12 min)

Speaker 2: Katie Griley, Griley AirFreight - Freight Challenges to Efficient Freight Movement that Contribute to Localized Congestion (10-12 min)

Speaker 3: Beverly Aguilin, Rock-It Cargo - Freight Challenges to Efficient Freight Movement on a Micro-Level: Rock-it Cargo (10-12 min)

- 1:45 Discussion and Q&A session with Caltrans (1 hour)
- 2:45 Conclude, Depart for Griley AirFreight facility tour
- 3:00 Griley AirFreight facility tour (1 hour)



## Vincent Iacopella

EVP Growth and Strategy  
Alba Wheels Up International Inc

[www.albawheelsup.com](http://www.albawheelsup.com)

Vincent has been in the Los Angeles market and western US market for 30 years and is licensed customs broker. Vince has lead and aligned automation initiatives with Customs and Border Protection's Trade Modernization initiatives and industry transition to ACE. Vince is a licensed Customs Broker and served as Past President of the Los Angeles Customs Brokers and Forwarders Association and current President of the Pacific Coast Council of Customs Brokers and Freight Forwarders. In March 2013, Mr. Iacopella was appointed to the 13th Advisory Committee on Commercial Operations of Customs and Border Protection, better known as COAC. This 20-member council advises the secretaries of the Department of the Treasury and the Department of Homeland Security on the commercial operations of CBP and related DHS and Treasury functions. Mr Iacopella currently serves on the COAC and serves as Trade Co-Chair.

At Alba Wheels Up, Vince's responsibilities include leading Alba's expansion into new markets and to increase the portfolio of product offerings with a focus on trade sensitive imports and exports, as well as smart supply chain technology that drives value to importers and exporters with trade sensitive shipments. Alba believes in driving value to mid-market customers through this approach.

Vince will also be building brand awareness for Alba.

At Alba, Vince, along with the owners and senior management team is responsible for leading efforts in sustainable topline growth and development and implementation of an integrated approach to sales and business development. Vince supports strategic development and execution as part of the senior management team as well as driving sales performance and new net revenue dollars through Alba's business development team. Vince is responsible for driving creation and development of product and service enhancements aligned with CBP, FDA, and EPA's Trade Modernization initiatives in the Automated Commercial Environment (ACE) as well as development of freight and supply chain products.

Along with the owners Vince works on Alba's strategic partnerships in the market to drive value to Alba's customers. Vince is based in the Los Angeles office, but works on behalf of the entire company.



## **Katie Griley**

**VP of Sales and Operations  
Griley Airfreight**

[www.grileyair.com](http://www.grileyair.com)

Katie Griley joined the family owned Griley Airfreight team in 2009 after graduating from ASU and has been there ever since. She worked her way up from a dispatch role to now serving as VP of Sales and Operations. Katie oversees all sales at Griley and is the lead decision maker for all operations. She is very passionate and involved in the Air Cargo Community, advocating for change and on the board of directors at Los Angeles Air Cargo Association serving on multiple committees. In her spare time, Katie enjoys reading, traveling, water/snow skiing and spending time with her pup Zoe.



## **Beverly Aguilin**

**Director Of Operations  
Rock-it Cargo USA LLC**

[www.rockitcargo.com](http://www.rockitcargo.com)

Beverly Aguilin has 15+ Years with Rock-it Cargo based in Los Angeles, CA, overseas Operations US Domestic and Worldwide. Rock-it Cargo is the world's leading Freight Forwarder specializing in international, time-sensitive, fragile and complex shipments for live events. Rock-it's discerning customers demand perfect execution of their transportation moves due to the critical nature of live events – "on time, undamaged and as planned" has a different meaning when the show must go on.



# Smart Port of the Future

Economy, Environment, Technology, and Workforce

2019 CITT STATE OF THE TRADE AND TRANSPORTATION INDUSTRY

## TOWN HALL MEETING

Join us to hear how the Southern California ports are getting ready for the future of moving freight.

# Tuesday, October 15, 2019

Breakfast/Town Hall Meeting: 7:30 am - 10:00 am

## HOTEL MAYA LONG BEACH

[cpie.csulb.edu/CITT](http://cpie.csulb.edu/CITT)



# Welcome

## Dear Town Hall Attendees:

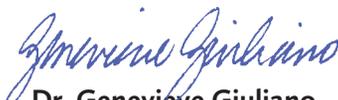
Welcome to the 2019 CITT State of the Trade and Transportation Industry Town Hall meeting. We are pleased to present this year's topic – *Smart Port of the Future: Energy, Environment, Technology, and Workforce*.

On behalf of CSULB's Center for International Trade and Transportation and the USC/CSULB METRANS Transportation Center, we extend a sincere welcome to our speakers, industry guests, the ILWU membership, faculty, and the community. This year we explore the intersection of port operations and technology and what it means for the way we move goods.

Thinking smart means re-evaluating old ways of doing business. This year we are launching Smart Freight Week. We start with the Town Hall, hold a new international policy workshop later today, and then begin the International Urban Freight Conference tomorrow. This is the first CITT Town Hall held off campus, scheduled as a morning event and connected to a major conference. For us, the opportunity to expand our audience, including adding international voices to the discussion, was the smart way to go. We hope you agree.

Your presence today demonstrates your interest in preparing our region for the future of global trade. Also, being here makes you an indispensable part of this program. During the Q&A segment of the program, you will have an opportunity to ask questions of our experts. We encourage your active participation and are eager to hear your questions and comments.

Finally, we are pleased to conclude today's program with the presentation of the third annual Domenick Miretti Award. Domenick, longtime supporter of CITT and member of our Policy and Steering Committee and the METRANS Advisory Board, was Senior Liaison for the ILWU to the Ports of Los Angeles and Long Beach and one of the founders of the Town Hall. His commitment to "bringing the university to the docks and the docks to the university" is one of the reasons we are gathered here today.

  
**Dr. Genevieve Giuliano**  
METRANS

  
**Thomas O'Brien**  
CITT/METRANS

## 2019 CITT State of the Trade and Transportation Industry Town Hall Meeting Agenda

### Welcome Remarks/ Introduction

Thomas O'Brien, CITT Executive Director, CSULB

### 2019 Town Hall Video: *Smart Port of the Future*

### Roundtable Discussion

Moderator: Thomas O'Brien

- Patrick Couch, Senior Vice President, Technical Services, Gladstein, Neandross & Associates
- Ray Familathe, President, ILWU Local 13
- Chad Lindsay, Vice President, Labor Relations, Pacific Maritime Association
- Avin Sharma, Director of Labor Relations and Workforce Development, Port of Los Angeles
- Heather Tomley, Acting Managing Director of Planning and Environmental Affairs, Port of Long Beach, California

### Question & Answer Session with the Audience

### Presentation of Domenick Miretti Award

### Remembering Connie Rivera

### Adjourn

# Participants



## **Patrick Couch**

Senior Vice President, Technical Services,  
Gladstein Neandross & Associates (GNA)

Patrick Couch, senior vice president, technical services, for Gladstein Neandross & Associates (GNA), leads and collaborates on a wide range of clean transportation projects in goods movement. Couch brings extensive experience in research, development, and demonstration of a broad range of advanced mobile and stationary power technologies to the firm. From leading fleets through the evaluation of alternative fuel technologies to assisting policy makers with the development of practical and successful strategies for clean transportation, Mr. Couch

has 15 years of experience in the San Pedro Bay Ports and goods movement. Some of his prior work includes the implementation of the Gateway Cities truck replacement program - a precursor to the Ports' Clean Truck Program; development of the first drayage truck duty cycle for emissions and performance testing; development of demonstrations for numerous goods movement-related technologies including Class 8 trucks using battery-electric, natural gas, and catenary power systems, battery-electric switcher locomotives, natural gas, hybrid electric, and battery-electric yard tractors; and authoring the Ports' first Technology Feasibility Assessments for drayage trucks and cargo handling equipment.

Couch holds both a Bachelor's of Science and a Master's of Science in Mechanical Engineering from the University of California, Irvine.



## **Ray Familathe**

President, International Longshore and Warehouse Union  
Local 13

Ray Familathe grew up in San Pedro, California. His Italian family arrived in San Pedro over 100 years ago. He was raised in a second-generation union family with roots that reached back to the founding days of the ILWU. His father was a merchant seaman and longshoreman who exposed Ray to life on the docks at a young age. Ray's wife, Cathy Familathe, is a proud member of ILWU Local 63 and their son Gabriel serves in the United States Coast Guard.

In 1993 Ray opened and served as Director of the ILWU International Affairs Department under four International Presidents. During his past 30 years with the ILWU, he was elected to a variety of local union offices including Local 13 Business Agent. In 2009 he was elected as International Vice-President (Mainland) in San Francisco and held office until 2018. As ILWU Vice President, Ray was a guest speaker on two occasions at the Lloyds Maritime Academy in London, England Terminal Automation and Planning Conferences on how dockworkers and automation can work together within the rapidly changing marine terminal environment.

In 2019, Ray was elected President, International Longshore and Warehouse Union (ILWU), Local 13.



## **Chad Lindsay**

Vice President, Labor Relations Southern California,  
Pacific Maritime Association

Chad Lindsay is the Vice President of Labor Relations in Southern California for the Pacific Maritime Association (PMA). In this role, he has primary responsibility for managing and directing the labor relations functions in the Southern California region, including San Diego, Long Beach, Los Angeles, and Port Hueneme.

Prior to joining PMA, Chad was the managing director of APM Terminals and has worked in other key sectors of the transportation industry. He has extensive transportation industry knowledge and 25 years of senior level management experience, primarily in the transportation industry. Chad was involved in the 2002 ILWU negotiations as a member company and took a leadership role for PMA in the 2008 and 2014 negotiations.



## **Thomas O'Brien**

Executive Director, Center for International Trade and  
Transportation, California State University, Long Beach

Thomas O'Brien is the Executive Director of the Center for International Trade and Transportation (CITT) at California State University, Long Beach and the Associate Director of Long Beach Programs for the METRANS Transportation Center, a partnership between CSULB and the University of Southern California. He also serves as the director of the FHWA Southwest Regional Surface Transportation Workforce Center (SWTWC). His teaching and research focus on logistics, supply chain management, and goods movement policy. Dr. O'Brien has a Master's degree in Urban Planning and Development and a Ph.D. in Policy, Planning, and Development from the University of Southern California.

# Participants



## **Avin Sharma**

Director of Labor Relations and Workforce Development,  
Port of Los Angeles, California

Avin Sharma is the Director of Labor Relations and Workforce Development for the Port of Los Angeles. He was appointed Director of this newly created division in October 2017. He joined the Port after having served in President Barack Obama's Administration. While in the Obama Administration, he was the White House Liaison and Counselor to U.S. Secretary of Labor Tom Perez. Prior to that position, he was the Economics Director in the Presidential Personnel Office at The White House, and also previously served at the U.S. Department of Justice. Before joining the Obama Administration, he was a litigation attorney in private practice.

In his new role at the Port, Avin is responsible for engaging and maintaining positive relationships with labor unions, such as the International Longshore and Warehouse Union (ILWU), International Brotherhood of Electrical Workers (IBEW), and the International Brotherhood of Teamsters. He is also leading the Port's efforts to develop projects that support workforce development in the goods movement sector across Southern California.

Avin received a B.A. in Business Economics and a B.A. in Political Science from the University of California at Santa Barbara and also received a J.D. from the University of California Hastings College of the Law.



## **Heather A. Tomley**

Acting Managing Director,  
Planning & Environmental Affairs Bureau  
Port of Long Beach, California

Heather Tomley is the Acting Manager of the Planning & Environmental Affairs Bureau for the Port of Long Beach. She joined the Port in 2005 and progressively moved into positions of greater responsibility. She was named to her current post as Acting Managing Director in September of 2018 by the Long Beach Board of Harbor Commissioners, the Port's five-member governing body. She oversees the Divisions of Master Planning, Transportation Planning, and Environmental Planning.

In her previous role as Director of Environmental Planning, Ms. Tomley led the Division most directly responsible for the Port's signature environmental programs, such as the 2005 Green Port Policy, and coordinated programs to improve air, water and soil quality, preserve wildlife habitat and integrate sustainability into Port practices. She co-wrote, implemented, and assisted with updates to the San Pedro Bay Ports Clean Air Action Plan (CAAP), which serves as a guideline for programs focused on cleaning Port related air emissions. She is also responsible for developing the Port's Energy Initiative.

We thank the following organizations for their endorsement of the **2019 Town Hall**.

Council of Supply Chain Management  
Professionals (CSCMP)  
Foreign Trade Association (FTA)  
FuturePorts  
Gateway Cities Council of Governments  
Harbor Association of Industry and  
Commerce (HAIC)  
International Warehouse Logistics  
Association (IWLA)  
ITS California  
Los Angeles Chamber of Commerce  
Pacific Merchant Shipping Association  
(PMSA)

Propeller Club of Los Angeles/Long Beach  
San Gabriel Valley Council of  
Governments (SGVCOG)  
South Bay Association  
of Chambers of Commerce  
South Bay Cities  
Council of Governments (SBCCOG)  
World Trade Center Los Angeles  
World Trade Week  
WTS Los Angeles  
WTS Orange County



## **ILWU LOCAL 13**

is pleased to Sponsor the  
8th METRANS  
International Urban Freight Conference  
*The Smart Port of the Future:  
“Economy, Environment, Technology and Workforce”*

As the mover of goods and cargo within the  
Port of Los Angeles and Long Beach  
the ILWU is committed to the economic  
and environmental future of the harbor.

**INTERNATIONAL LONGSHORE AND WAREHOUSE UNION**

[www.ilwu13.com](http://www.ilwu13.com)

630 S. Centre Street, San Pedro, CA 90731

(310) 830-1130

# Guidelines

## 2019 CITT Town Hall Question and Answer

### Format and Guidelines

Questions from the audience will only be accepted during the Q&A period of the program.

Questions can be addressed to the panelists in two ways: in person using the standing microphones or in written form using 3x5 cards.

The 3x5 cards will be collected and delivered to the moderator. The moderator will include the questions as time permits.

To ask a question, assemble in a line behind the closest standing microphone. The questioner will have one minute to state his/her name, affiliation, the panelist to whom the question is addressed, and the question. Please do not ask multi-part questions.

The microphones are for questions only – no commentary please.

In case the questioner does not name a panelist to answer the question, the moderator will direct the question to a panelist.

A panelist may defer the question.

Every effort is made to accommodate as many questions as possible in the time frame allowed for Q&A.

The time allowances will be strictly enforced.

Thank you for your cooperation.

# Acknowledgments

The 2019 CITT Town Hall is presented by the CSULB Center for International Trade and Transportation (CITT), the METRANS Transportation Center, and CSULB's College of Professional and International Education (CPIE).

**METRANS**, a partnership between USC and CSULB, is dedicated to solving metropolitan transportation problems through research, education and outreach. [www.metrans.org](http://www.metrans.org)

**CITT** is part of the College of Professional and International Education at CSULB. It is a multidisciplinary center for multifunctional transportation studies and integrated logistics research, education, training, policy analysis, and community outreach. [www.cpie.csulb.edu/citt](http://www.cpie.csulb.edu/citt)

CITT's mission is to provide a collaborative forum dedicated to the development, distillation and broad dissemination of objective information about the goods movement industry.

CSULB's **College of Continuing and Professional Education** is one of the eight academic colleges at California State University, Long Beach. It is a self-support, interdisciplinary college that works closely with its university, business, community, and international partners to serve California's workforce and economy. For more information, call (800) 963-2250 or visit [www.cpie.csulb.edu](http://www.cpie.csulb.edu).

## Thanks to:

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CITT Policy & Steering Committee  
Dr. Thomas O'Brien, Event Chair  
Alix Traver, Event Coordinator  
Dave Kelly and CSULB's Advanced Media  
Production Center  
CITT Staff and Research Assistants  
Event Volunteers  
Dann Froehlich, DF Design

# CITT Policy and Steering Committee

## CITT Policy & Steering Committee

**Chair:** Jeet Joshee, Ed.D., AVP for International Education; Dean, CPIE/CSULB

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California State University, Long Beach

**Rich Dines**, Marine Clerk, ILWU Local 63

**Genevieve Giuliano, Ph.D.**, Ferraro Chair in Effective Local Government,

Sol Price School of Public Policy and Director, METRANS Center, University of Southern California

**Michele Grubbs**, Vice President, Pacific Merchant Shipping Association

**Mark Hirzel**, Assistant Manager Trade Services, American Honda Motor Company

**Trini Jimenez**, Vice President, Public Affairs, Watson Land Company

**Mike Jones**, Senior Regional Planner, Southern California Association of Governments

**Yatman Kwan**, Acting Office Chief, Freight Planning, Caltrans

**Steve Lantz**, Transportation Director, South Bay Cities Council of Governments

**Alan McCorkle**, CEO, Yusen Terminals, Inc.

**C.J. Nord, C.P.M.**, Supply Chains for Good

**Karen Quintana**, President, Los Angeles Customs Brokers and Freight Forwarders

**Patty Senecal**, Manager, Southern California Region, Western States Petroleum Association

**Don Snyder**, Acting Managing Director of Commercial Operations, Port of Long Beach

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**Elizabeth Warren**, President and CEO, Dialed-In Partners

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**Marianne Venieris Gastelum**, Senior Advisor and External Liaison, CITT,

California State University, Long Beach

## CITT Advisors

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**Joe Gasperov**, President, Marine Clerks Association, Local 63, ILWU

**Monica Gourdine**, Associate Division Administrator, California Division, Federal Highway Administration

**Daniel Miranda**, President, Local 94, ILWU

**Eric Shen**, Director, Southern California Gateway Office, Maritime Administration,  
U.S. Department of Transportation

## In Memoriam

**Domenick Miretti, Ph.D.**, (1932-2016)

ILWU Senior Liaison, Ports of Long Beach and Los Angeles, Marine Clerks Association

**Connie Rivera**, (1960-2019)

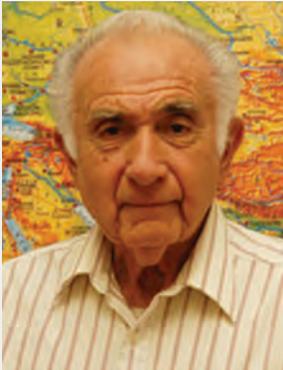
Government and Community Relations Officer, Alameda Corridor Transportation Authority

## DOMENICK MIRETTI AWARD

In the spirit of Domenick Miretti, this award recognizes an individual who has helped to foster partnerships along the supply chain, facilitated dialogue, demonstrated long-term dedication to the industry, and earned the respect of a wide variety of stakeholders.

*“We need to bring the university to the docks and the docks to the university.”*

Domenick Miretti (1932-2016)



Domenick Miretti  
(1932-2016)

## Celebrating the Unifying Legacies of Domenick Miretti and Genevieve Giuliano

**The Center for International Trade and Transportation (CITT) proudly presents the third annual Domenick Miretti Award to Genevieve Giuliano.**

The award was established in honor of Domenick Miretti, the International Longshore and Warehouse Union (ILWU) Senior Liaison to the Ports of Long Beach and Los Angeles and founding member of the CITT Policy and Steering Committee.

Miretti spent the majority of his adult life working in and educating others about international trade. Beginning in the 1970s and continuing until his passing in 2016, he helped lead exemplary efforts in bridging gaps between industry, education, and labor stakeholders.

A local champion of applied urban freight research, Dr. Genevieve Giuliano is Margaret and John Ferraro Chair in Effective Local Government, Sol Price School of Public Policy, University of Southern California. For the past 21 years, Gen has served as Director of the METRANS Transportation Center, a partnership between USC and California State University Long Beach, providing a platform to influence supply chain policy and education at international, national, and state levels.

Her research areas include relationships between land use and transportation, transportation policy analysis, travel behavior, and information technology applications in transportation. Current research includes examination of relationships between land use and freight flows, spatial analysis of freight activity location, impacts of freight activities on local communities, and applications for transportation system analysis using archived real-time data.

Professor Giuliano is a distinguished leader: past Chair of the Executive Committee of the Transportation Research Board, and of the Council of University Transportation Centers; former member of the ITS Joint Program Advisory Committee and the National Freight Advisory Committee; and current member of the Committee on the Future of the Interstate Highway System. She continues to support California's Freight Efficiency and Competitiveness Groups and is actively engaged in the CITT Policy & Steering Committee.

As Director of METRANS, Gen's involvement over the years has had a direct impact on elevating the conversation between labor unions, decision makers and policymakers, resulting in positive changes to understanding and collaboration in the Southern California goods movement industry and beyond.



Genevieve Giuliano  
Recipient of 2019  
Domenick Miretti Award

## OUR MAJOR FUNDERS

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## 2019 Smart Freight Week Sponsors

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# Complete Streets Considerations for Freight and Emergency Vehicle Operations

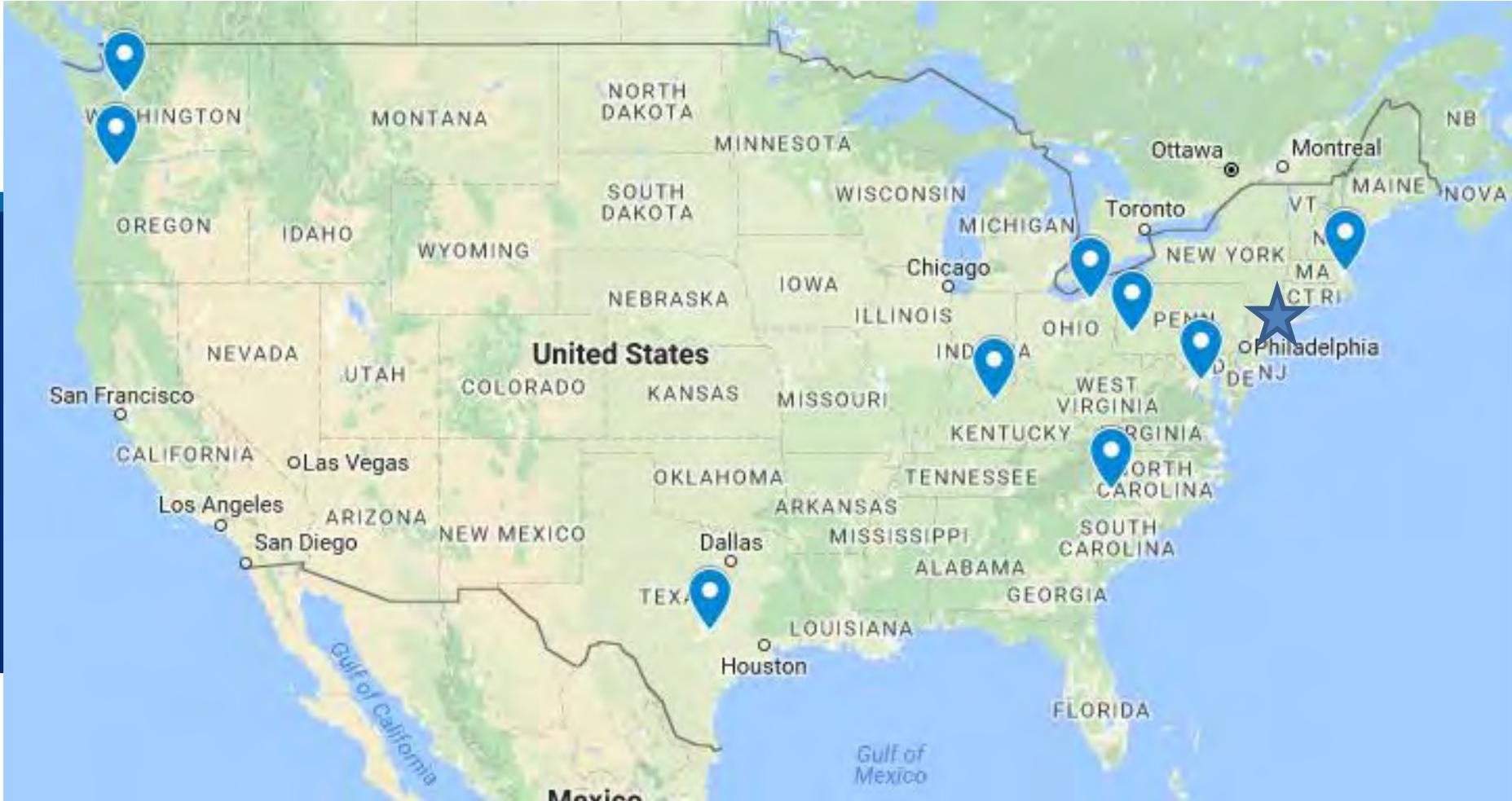
## An Overview

October 15, 2019

# What is a “complete street”?

- “Complete Streets are streets for everyone. They are designed and operated to enable safe access for **all users**, including **pedestrians, bicyclists, motorists and transit riders** of all ages and abilities. Complete Streets make it **easy to cross the street, walk to shops, and bicycle to work**. They allow **buses to run on time** and make it **safe for people to walk to and from train stations**.”

*- National Complete Streets Coalition, Smart Growth America*



# Potential Areas of Application

- Urban centers
- Suburban/exurban areas with warehousing/industrial development
- Suburban/small town main streets
- Industrial/commercial campuses



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- 1.5 Freight Regulations
- 1.6 Common CV Challenges in Complete Streets Areas

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- 2.4 Emergency Response Infrastructure
- 2.5 Emergency Service Regulations
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- 4.2 Urban Consolidation Centers
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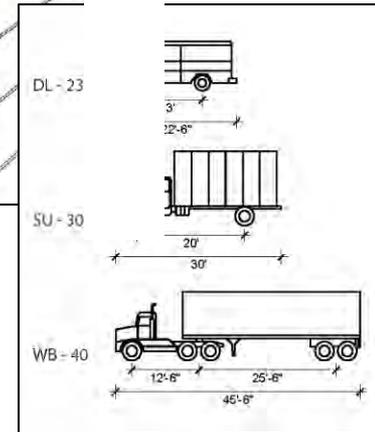
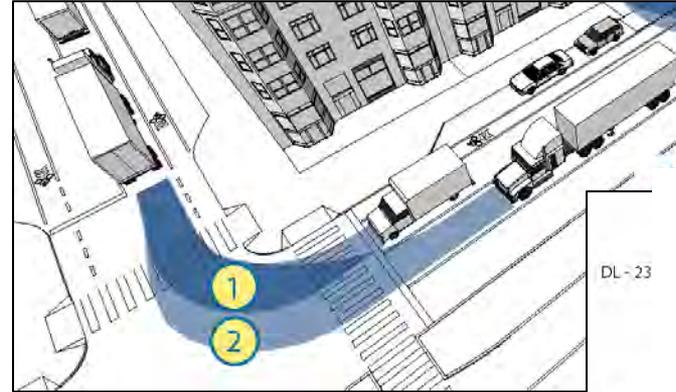
### 6 Credits

# 7 Common Challenges

- Selecting an appropriate design vehicle
- Vehicle navigation challenges
  - Providing adequate space for large vehicle turns
  - Reducing conflicts with vulnerable roadway users
  - Safely reducing speeds
  - Providing network connectivity and redundancy
- Curbside challenges
  - Providing adequate space for parking, loading, and emergency response operations
  - Providing curb and building access

# Freight Design/ Control Vehicle Selection

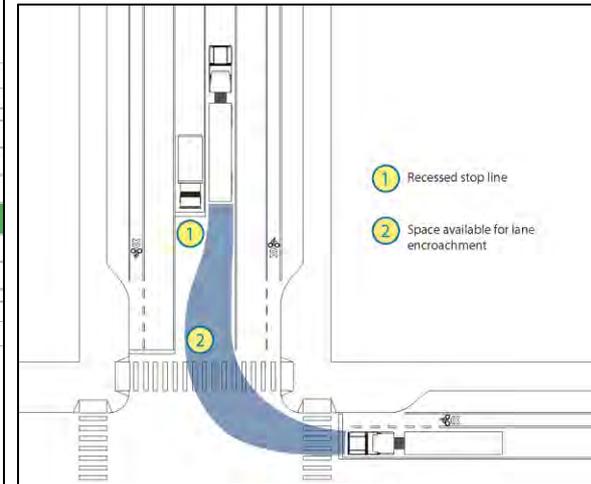
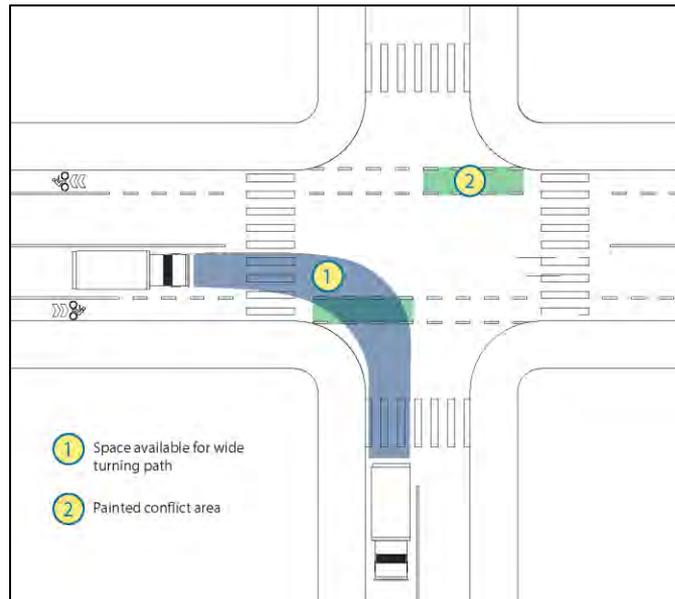
- Current/expected freight trip generating land uses
- Street functional classes and network designations
- Applicable truck size and weight regulations
- Current/expected freight traffic flows
- Historic incident data involving freight vehicles



# Large Vehicle Turns

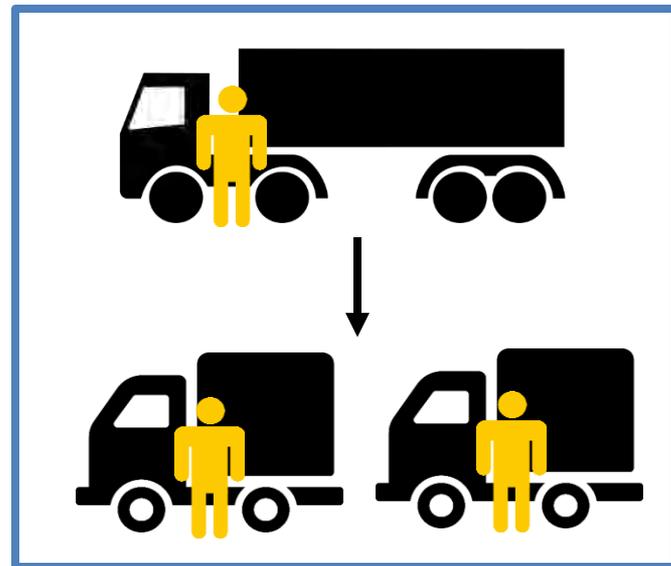


# Design Solutions



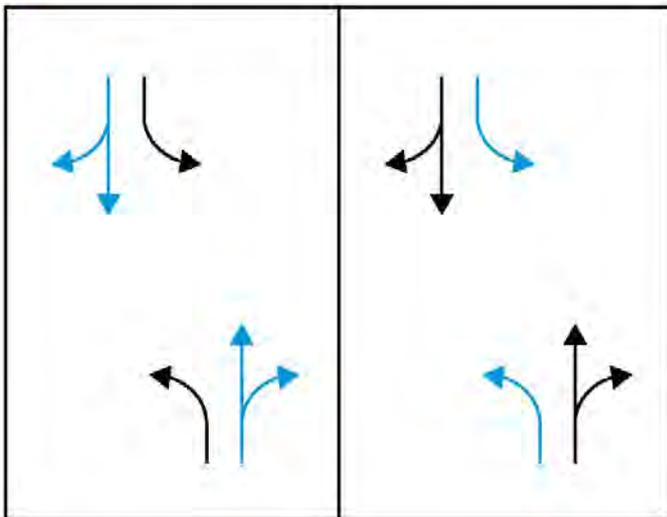
# Regulatory Solution: Vehicle Size Restrictions

- Fixed
- Time-based
- Safety benefits of size restrictions must be carefully weighed against related impacts
  - VMT and congestion
  - Operator costs and industry participation

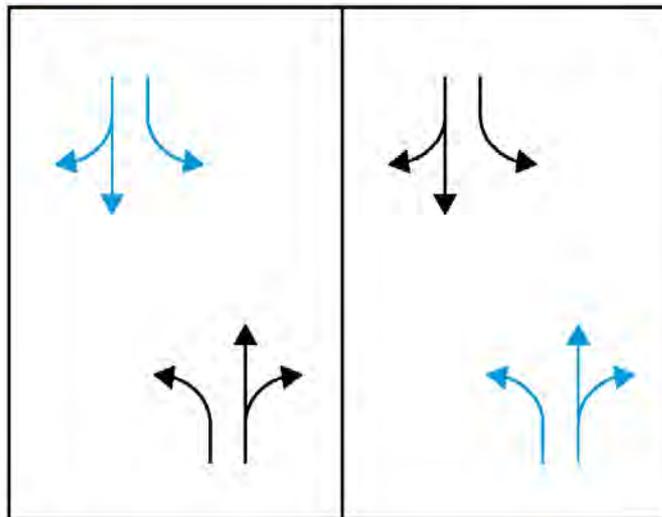


# Operational Solution: Dedicated Signal Phases

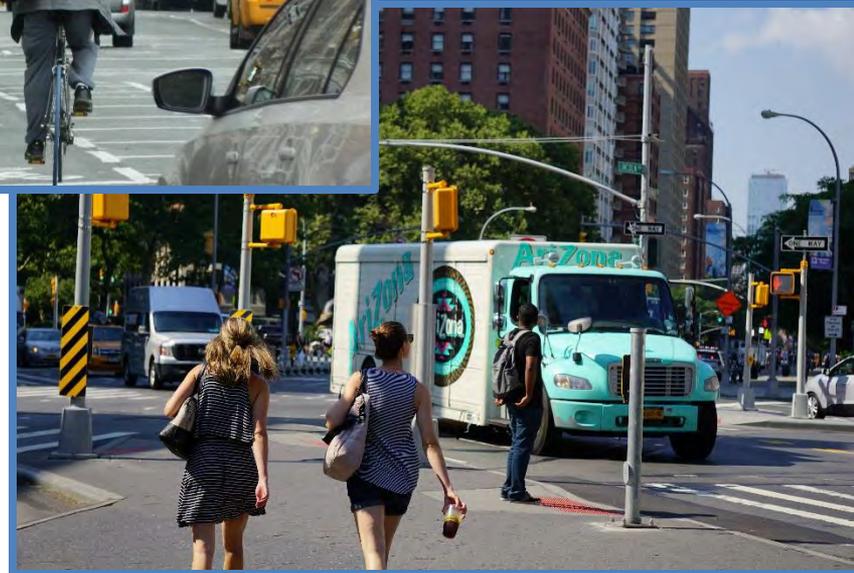
1 Separated turn phases



2 Separated directional movement phases



# Conflicts with vulnerable road users

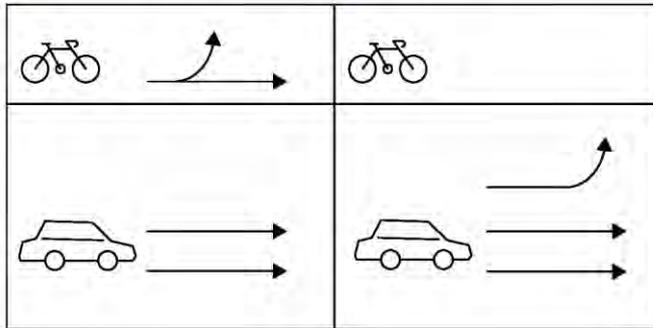


# Design Solutions: Bike Infrastructure, Clear Identification of Conflict Zones

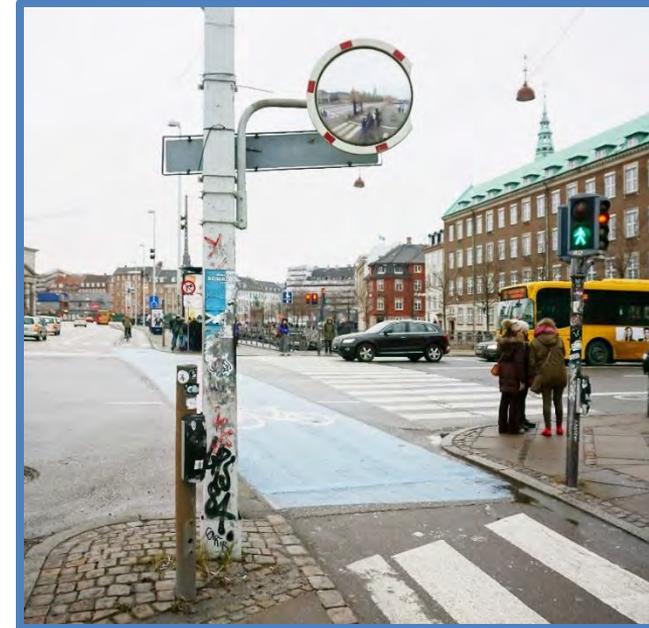


# Operational Solutions: Dedicated Signal Phases and Roadside Mirrors

1 Leading bicycle phase



2 Vehicle turning phase



# Vehicle-Based Solutions

- Mirrors
- Fresnel safety lenses
- Cameras
- Direct vision
- Side guards



# Education

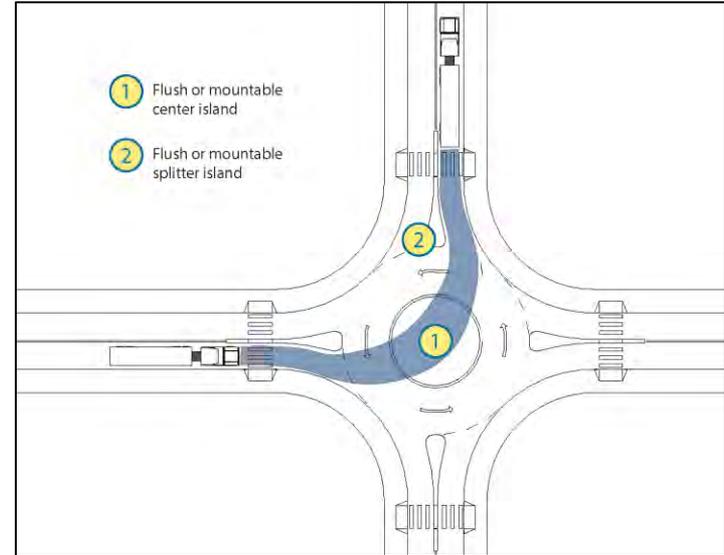
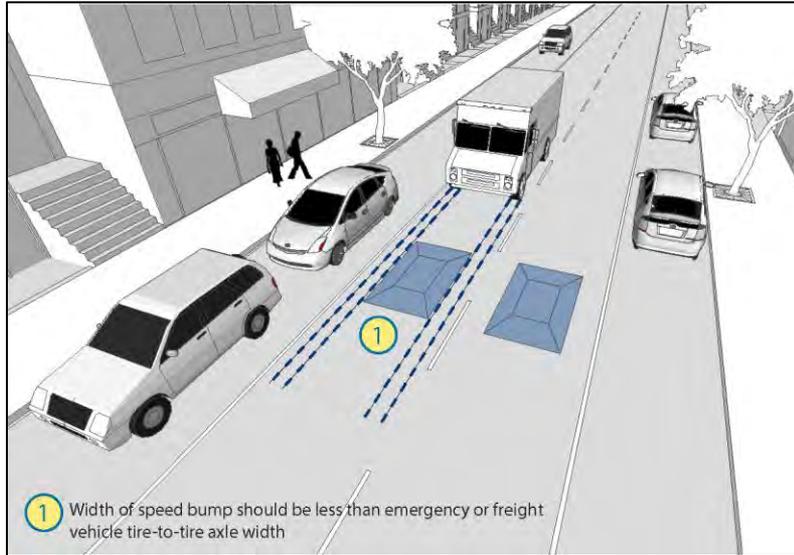
- Drivers
- Non-motorized travelers
- General public



# Speed Reducers



# Design Solutions

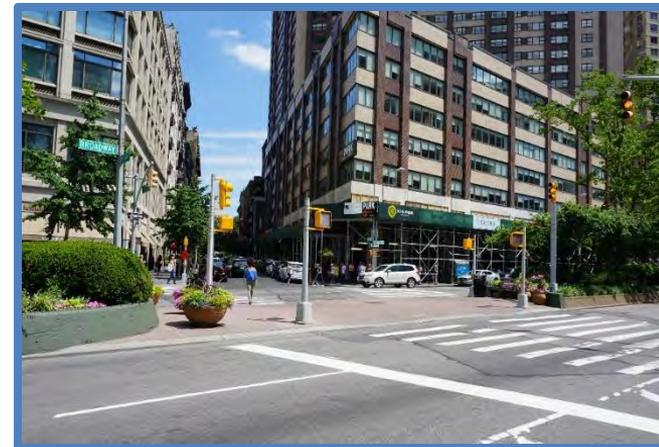
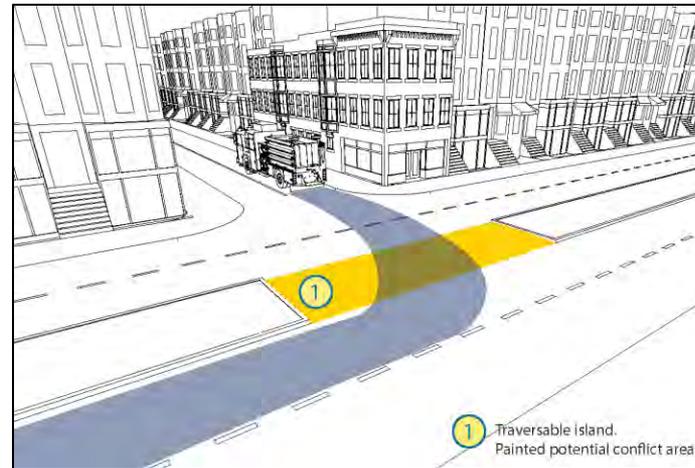


# Network connectivity/ redundancy

- Change in street direction
- Non-traversable median
- Removal of bypass lane (e.g. two-way left turn)
- Difficult to navigate street infrastructure

# Design Solutions

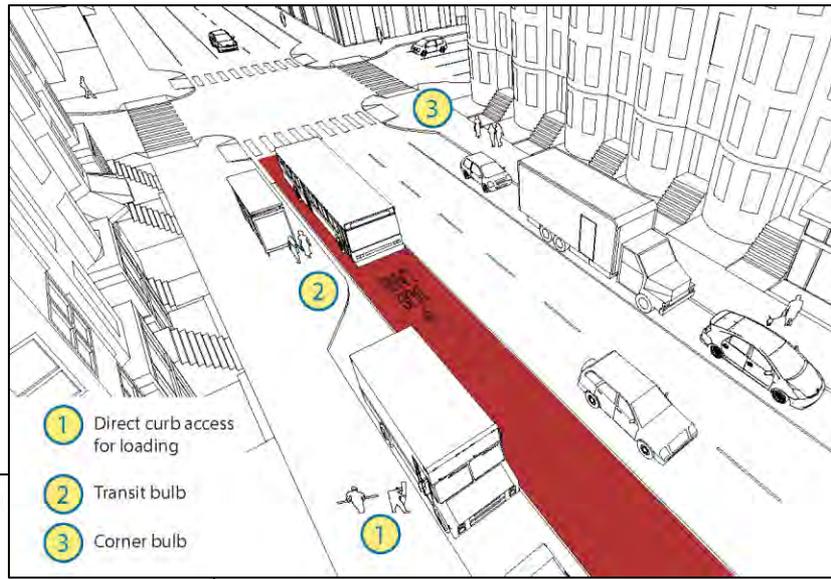
- Redundant Networks
  - Short blocks/frequent intersections
  - Reasonable alternative routes
  
- Mountable medians



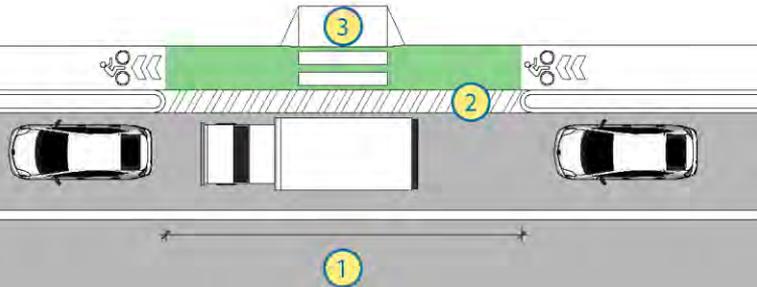
# Space for parking, loading, and delivery



# Design Solutions



- 1 Loading zone with adequate length for maneuvering and rear loading
- 2 Access aisle
- 3 Midblock curb cut



# Regulatory Solutions

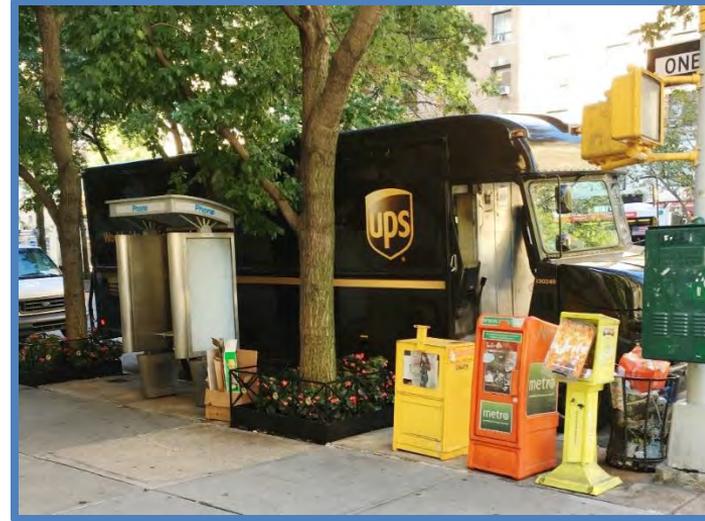


# Operational Solutions

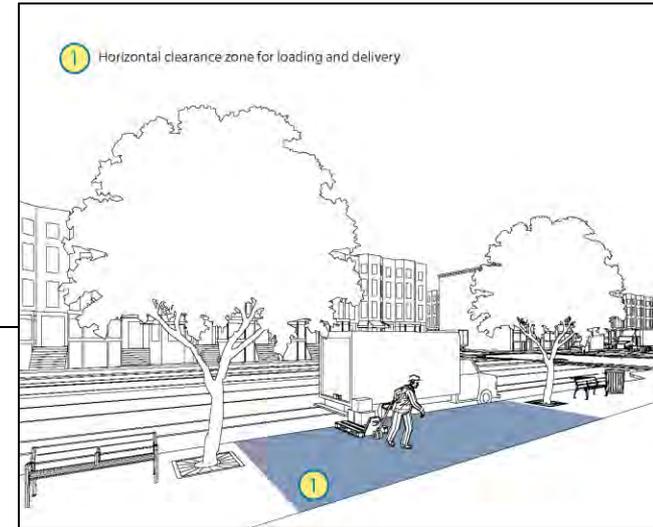
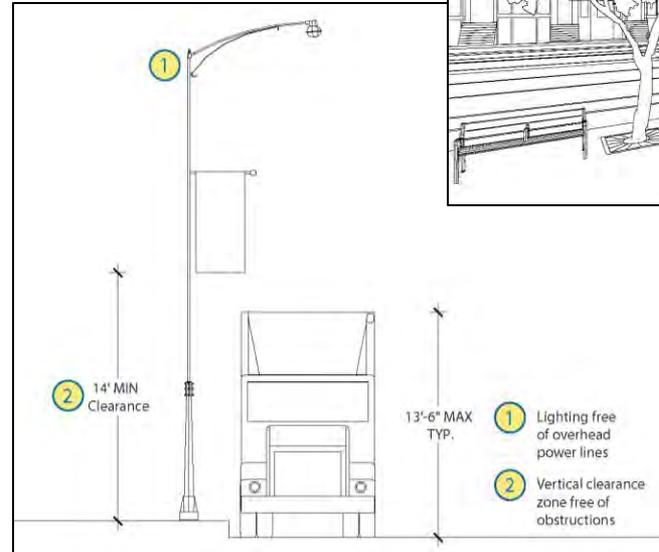
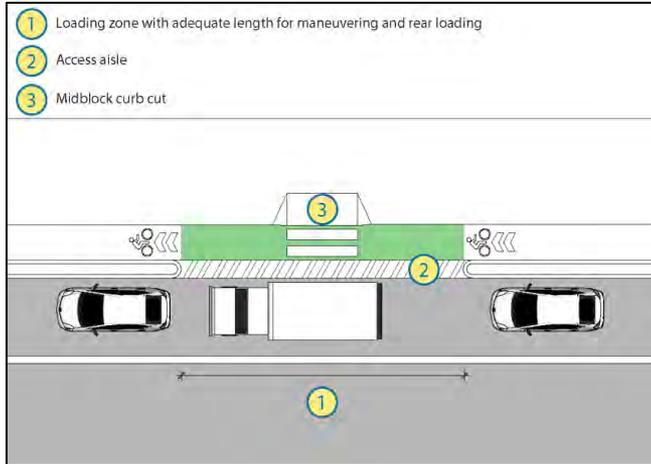
- Building Delivery Management
  - Centralized delivery location
  - Secure storage room
  - Lockers
  - Loading dock appointment system
- Enforcement
  - Commercial vehicles
  - Loading zone obstructions



# Curb and building access



# Design Solutions



# Demand Management

- Change the volume, spatial, or temporal distribution of demands
- May require policy change, infrastructure investment, and/or behavior change by multiple stakeholders
- Will only be implemented if costs are acceptable to decision-makers

# Off-Hour Deliveries

Method	Benefits	Challenges/Concerns
Shift deliveries to non-peak hours <ul style="list-style-type: none"> <li>• Early morning</li> <li>• Late evening</li> <li>• Overnight</li> </ul>	For operator: <ul style="list-style-type: none"> <li>• Reduce travel time delays, fuel costs, and parking fines</li> </ul>	For operator: <ul style="list-style-type: none"> <li>• Increase driver labor costs</li> <li>• Increase safety risk</li> </ul>
	For business: <ul style="list-style-type: none"> <li>• Receive deliveries when few customers present</li> </ul>	For business: <ul style="list-style-type: none"> <li>• Additional staff costs for off-hour receipt</li> </ul>
	For neighborhood: <ul style="list-style-type: none"> <li>• Reduce congestion impacts</li> <li>• Reduce demand for shared curb space</li> </ul>	For neighborhood <ul style="list-style-type: none"> <li>• Generate delivery noise at night</li> </ul>

# Consolidation Center

Method	Benefits	Challenges/Concerns
<p>Transfer goods from large freight vehicles to small, green vehicles for final delivery</p> <p>Consolidate goods from multiple carriers onto shared vehicles</p>	<p>For operator:</p> <ul style="list-style-type: none"> <li>• Avoid expensive last mile costs</li> </ul>	<p>For operator:</p> <ul style="list-style-type: none"> <li>• Increase costs for transloading</li> <li>• Lose final delivery visibility</li> </ul>
	<p>For business:</p> <ul style="list-style-type: none"> <li>• May provide value added services</li> <li>• May improve reliability</li> </ul>	<p>For business:</p> <ul style="list-style-type: none"> <li>• May have to pay premium for services</li> </ul>
	<p>For neighborhood:</p> <ul style="list-style-type: none"> <li>• Reduce large vehicle trips</li> <li>• Reduce demand for parking</li> <li>• Reduce emissions</li> </ul>	<p>For neighborhood:</p> <ul style="list-style-type: none"> <li>• May increase local VMT</li> <li>• May require public subsidy for start-up, operations</li> </ul>

# Lockers and Pickup Points

Method	Benefits	Challenges/Concerns
<b>Lockers:</b> Secure locker where package can be accessed via security code; may be located in residential area, public space, or local business	For operator: <ul style="list-style-type: none"> <li>• Avoid expensive failed deliveries, repeat trips</li> </ul>	For operator: <ul style="list-style-type: none"> <li>• Difficult to identify host business</li> </ul>
	For residents: <ul style="list-style-type: none"> <li>• Provide secure location to leave package</li> </ul>	For residents: <ul style="list-style-type: none"> <li>• May be at risk during pickup</li> </ul>
<b>Pick-up Points:</b> Staffed delivery points at local businesses (e.g. pharmacy, grocery store)	For neighborhood: <ul style="list-style-type: none"> <li>• Reduce delivery trips</li> </ul>	For neighborhood: <ul style="list-style-type: none"> <li>• May need public space</li> </ul>
	For host business: <ul style="list-style-type: none"> <li>• Generate foot traffic</li> </ul>	For host business: <ul style="list-style-type: none"> <li>• May use floor space</li> </ul>

Thank you for your interest in our **MetroFreight Workshop: Urban Freight Solutions for a Smart City** which will take place on Tuesday, October 15. This email serves to confirm your attendance and participation. **Please acknowledge receipt and indicate whether or not you are willing to have your name, affiliation and email address made available to the other attendees at the event.**

Being selected to take part in this event speaks to your ability to uniquely contribute to a dynamic discussion of urban freight in various settings and comes with the expectation that you will be able to participate for the entire afternoon. We think you will find the agenda of value.

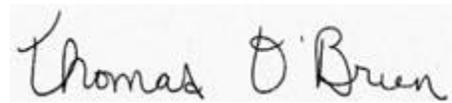
Event: **MetroFreight Workshop: Urban Freight Solutions for a Smart City**  
Location: Hotel Maya, 700 Queensway Drive, Long Beach CA, Miramar Room (2nd floor)  
Time: 11:30 am – 4:00 pm  
Parking: Complimentary

Agenda:

11:30 am Arrival at Miramar Room, buffet lunch  
12:00 pm Complete Streets Considerations for Freight and Emergency Vehicle Operations: Presentation by Alison Conway, City College of New York  
12:40 pm Complete Streets or Healthy Streets: Response by Tom Parker, City of London Corporation  
12:50 pm A Latin American Perspective: Response by Jackeline Murillo Hoyos, Universidad del Valle, Santiago de Cali, Colombia  
1:00 pm Transition to Workshop: Presentation of Street Profiles and Urban Freight Scenarios  
1:15 pm Identifying the Problem  
2:00 pm Break  
2:15 pm Strategies and Solutions for Urban Freight Challenges  
3:00 pm Institutionalizing Solutions through Policy  
3:45 pm Creating a Knowledge Network for Local Government  
4:00 pm Adjourn

In addition to the opportunity to learn from leading urban freight experts and share knowledge with participants from North America, Europe and Latin America, participants will walk away with a personal copy of *Complete Streets Considerations for Freight and Emergency Vehicles* handbook at the end of the day. We look forward to seeing you on Tuesday. Safe travels to Long Beach.

Sincerely,

A handwritten signature in black ink that reads "Thomas O'Brien". The signature is written in a cursive style and is placed on a light gray rectangular background.

Thomas O'Brien

Executive Director

Center for International Trade and Transportation

Deputy Director, METRANS Transportation Center

California State University Long Beach

# ¿Planning Complete Streets? A Latin American Perspective: City of Santiago de Cali - Colombia

**Jackeline Murillo Hoyos, Ph.D.**

Assistant Professor  
School of Civil Engineering and Geomatics  
College of Engineering



**MetroFreight Workshop:  
Urban Freight Solutions for a Smart City**

Long Beach, CA.  
October 15, 2019

# Santiago de Cali - Colombia

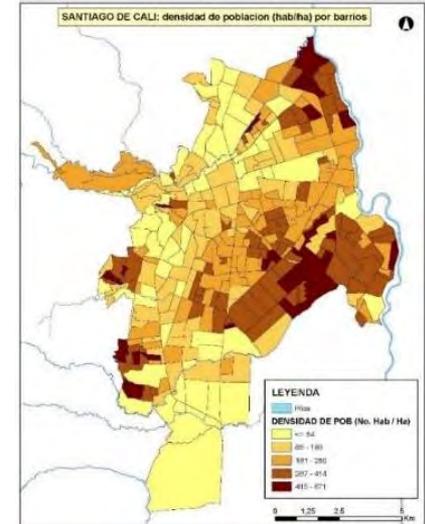
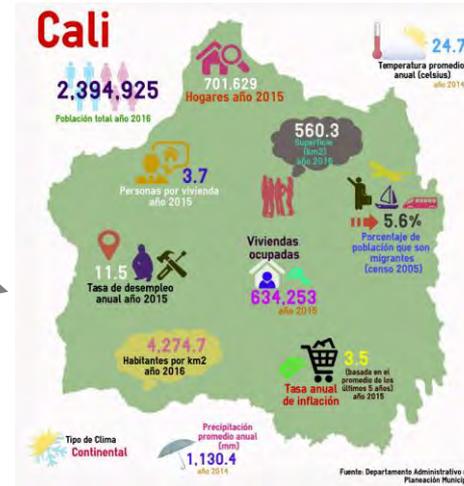


South America



Colombia

## Santiago de Cali



- **Area:** 560 km<sup>2</sup> (urban 120 km<sup>2</sup> + rural 440 km<sup>2</sup>)
- **Population:** 2.5 M (urban 96% + rural 4%)
- **Density:** 4400 hab / km<sup>2</sup>



1979

- **Development Integration Plan (1979)**  
General guidelines for urban mobility

1993

- **Highway Plan**  
Traditional approach based on infrastructure for motorized modes (private car)
- ▼ **National government request mandatory adoption of Territorial Arrangement Planning (388/1997)**

2000

- **TERRITORIAL ARRANGEMENT PLANNING**  
General guidelines for urban mobility

▼ **National government request mandatory adoption of Urban Mobility Plans with a sustainable approach (1086/2006)**

2008

- **URBAN MOBILITY INTEGRAL PLAN – PIMU**  
General scope / Lack of programs and projects

2014

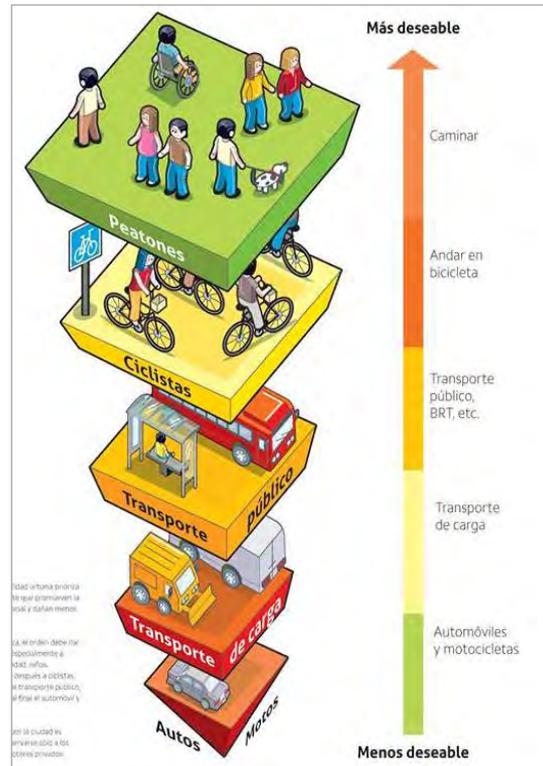
- **TERRITORIAL ARRANGEMENT PLANNING**  
General guidelines for urban mobility

2019

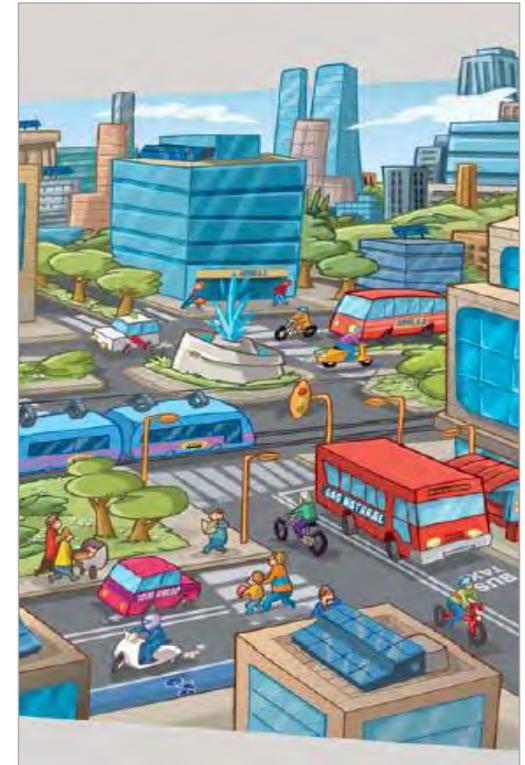
- **URBAN MOBILITY INTEGRAL PLAN – PIMU VISION 2030**  
Context of Sustainable Mobility / Guidelines for Programs and Projects

Law 1083/2006 established 3 key aspects:

- Priority for **alternative transportation modes** (pedestrian and bike).
- Priority for **public transport systems** with clean sources.
- Mandatory adoption of **Urban Mobility Plan**



Source: ITDP-México (2014)



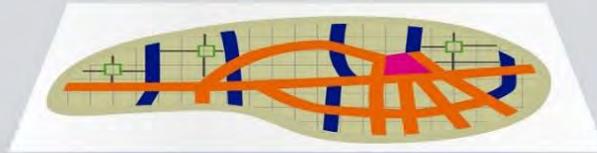
Source: IDAE (2006)

Local context from Santiago de Cali:

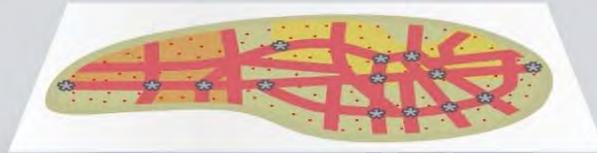
Way to find **equilibrium** between mode choice to minimize **negative externalities** related to the movement of people and goods.

## MOBILITY SUBSYSTEMS

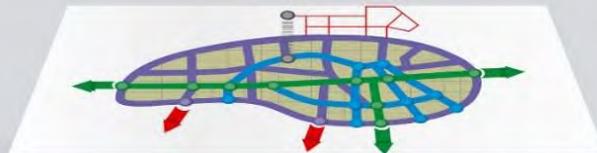
## ACROSSING KEY ELEMENTS



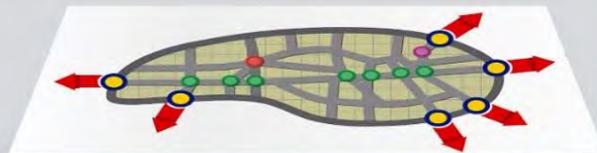
Subsystem for:  
**Pedestrian Mobility**



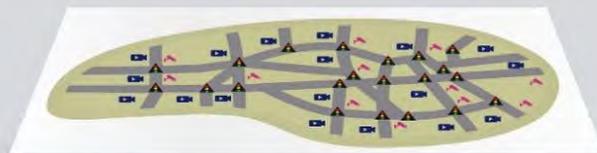
Subsystem for:  
**Bike Mobility**



Subsystem for:  
**Public Transport Mobility**



Subsystem for:  
**Private Transport Mobility**

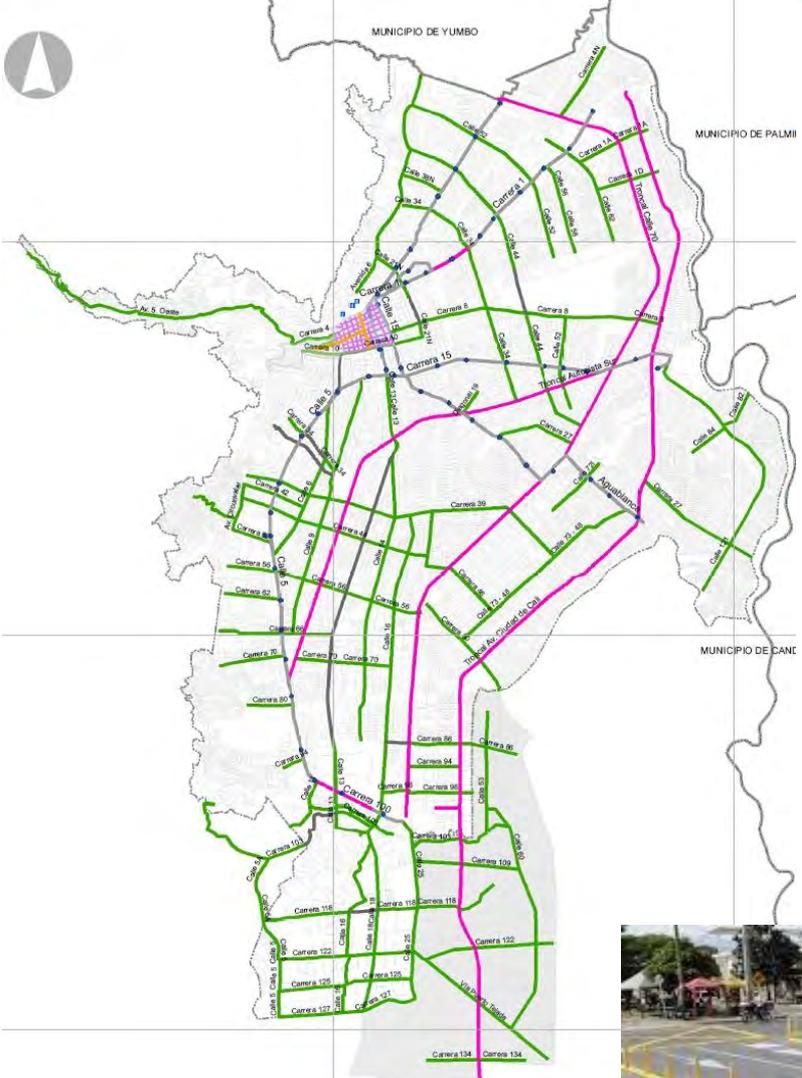


Subsystem for:  
**Regulation, Monitoring  
and Control**



## PRINCIPLES:

- 1 The right of citizens for **universal accesibility, sustantable mobility**, and **road safety**.
- 2 The **priority for transportation modes with lower social and environmental cost**, both of people and goods.
- 3 **Multi-level coordination, integrated management, intermodality and financial sources** for promoting the public passenger transport service understood as an essential public service.
- 4 Compliance with **current international climate change treaties** regarding to mobility.
- 5 The commitment of **sustainable urban development model**.



- Main sidewalks network: 112 mi
- Secondary sidewalks network: 220 mi
- Sidewalks around downtown: 15 mi



## ACTION PLAN: PEDESTRIAN MOBILITY



**Av. 2N Calle 12N**



**Calle 5 Carrera 6**



## ACTION PLAN: BYCICLE MOBILITY



**Current Bike paths**  
19 mi (year 2015)

**Projected Bike paths**  
254 mi (year 2030)



## ACTION PLAN: PUBLIC MASSIVE TRANSPORT



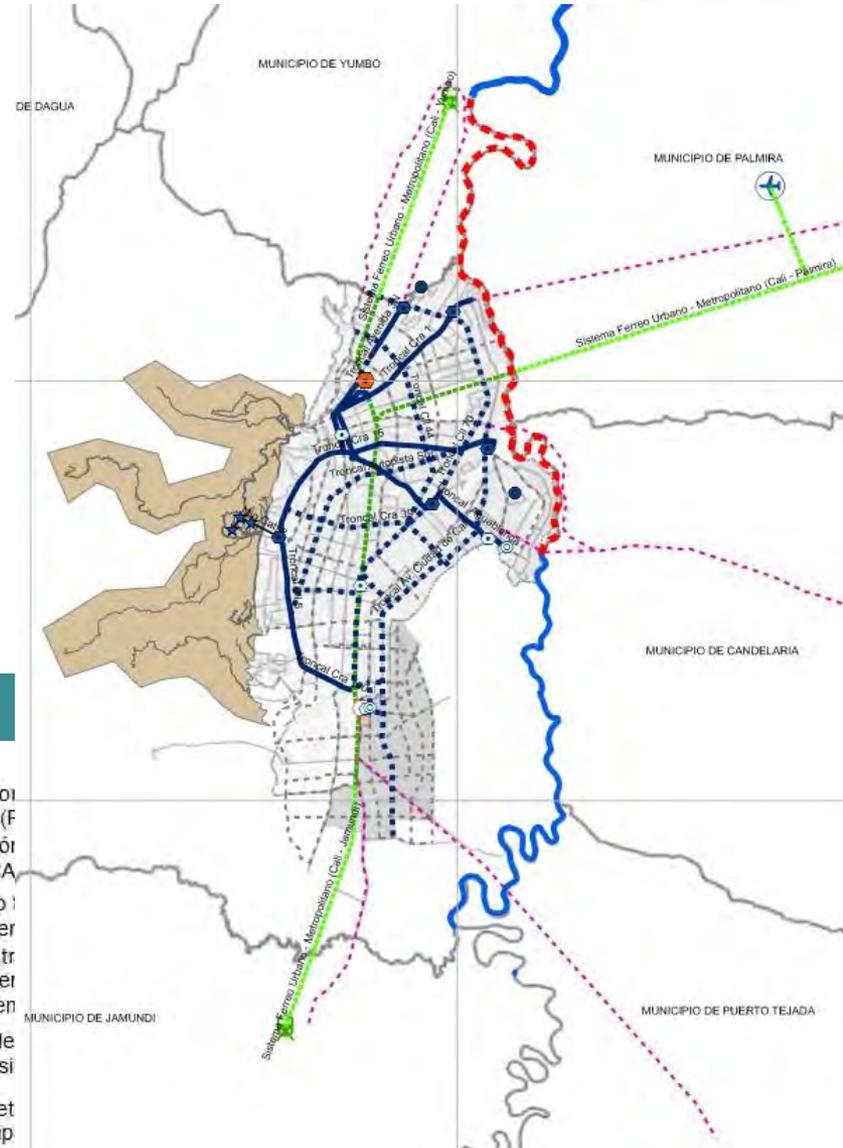
**INTEGRATED SYSTEMS**  
= Train + Bus + Cable

### Physical, Operational, and Monetary Integration

- Patios MIO (Existente)
- Patios MIO (Proyectado)
- Terminal MIO (Existente)
- Terminal MIO (Proyectado)
- Terminal inter-municipal norte (Existente)
- Terminal inter-municipal sur (Proyectado)
- Troncal MIO (Existente)
- Troncal MIO (Proyectado)
- Pretroncal MIO (Existente)

- Carril Preferencial MIO (Proyectado)
- Transporte de articulación intermunicipal (Proyectado)
- Sistema Ferroviario Urbano - Metropolitano en el Corredor Verde del Municipio de Cali (Proyectado)
- Sistema Ferroviario Urbano - Metropolitano en el Corredor Férreo Inter-Urbano (Proyectado)
- Lanzadera (Proyectado)
- Estación del Sistema Ferroviario Urbano - Metropolitano (Proyectado)
- Aeropuerto Alfonso Bonilla Aragón (Existente)

- Transpor fluvial (F)
- Estación MIO CA
- Ámbito comple
- Rutas tr de lader (Existen
- Área de expansi
- Perimet municip
- Manzanas



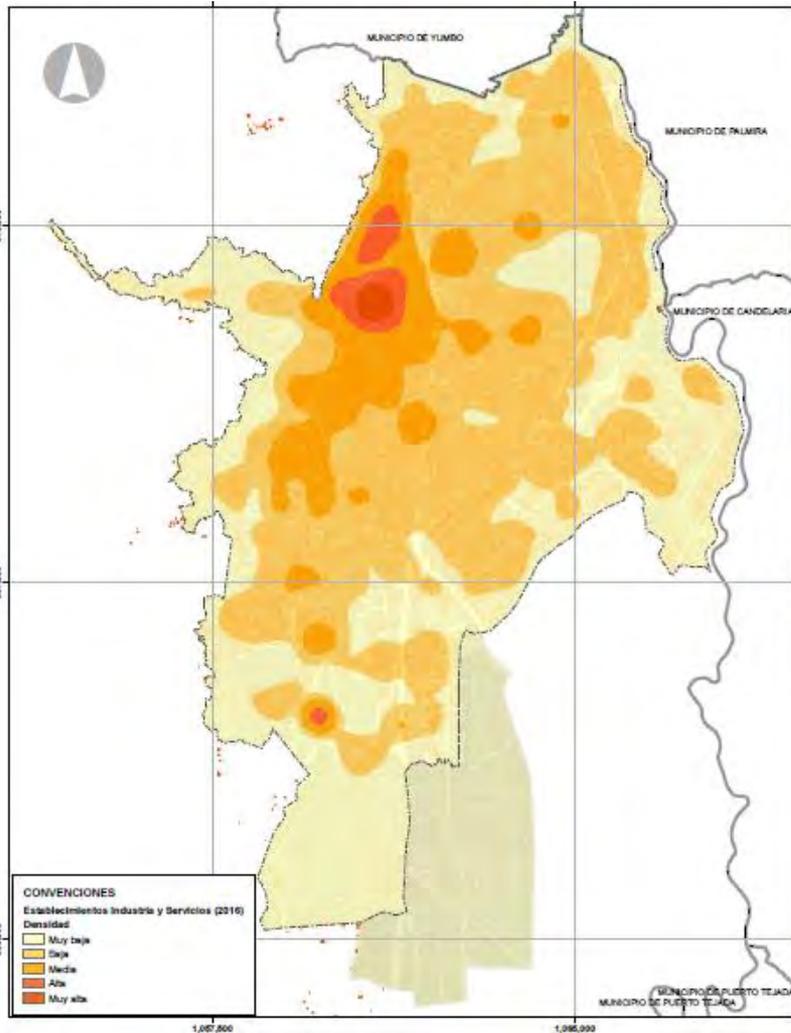
## ACTION PLAN: PRIVATE TRANSPORT



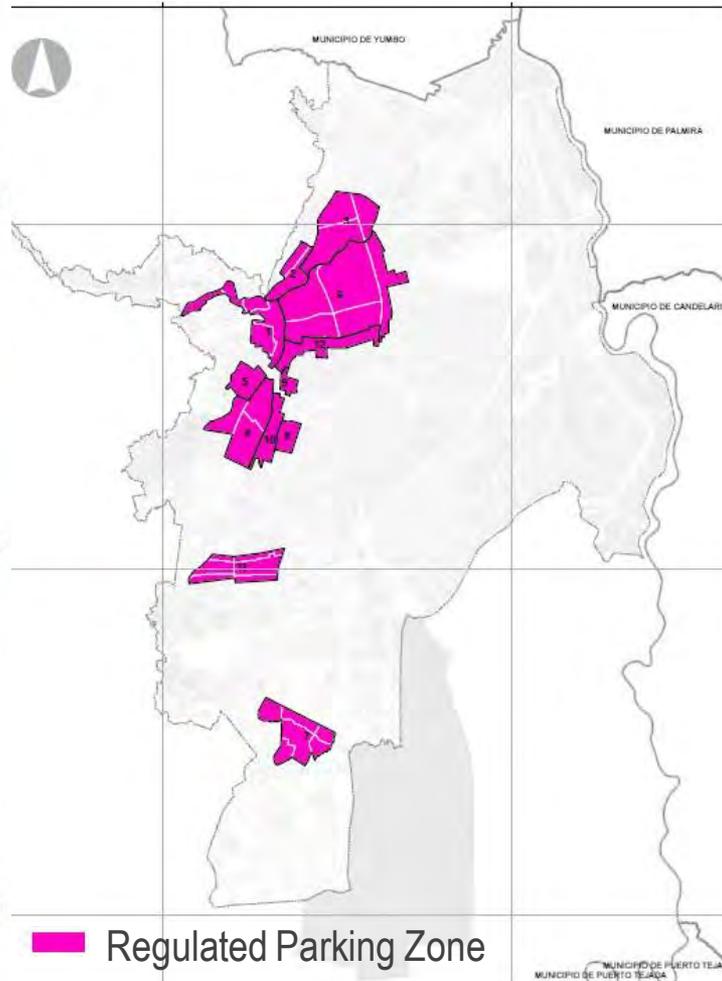
+ RATIONALITY FOR INFRASTRUCTURE'S OFFER  
+ DEMAND MANAGEMENT IN PRIVATE TRANSPORT

= Rational and Efficient use of private transport

## Establishments density (Related to: Freight + Services)



## ACTION PARKING PLAN: Urban freight transport



- Resrictions:**
- Time access (day, hours)
  - Vehicle size
  - Vehicle weight

## Regulation, Monitoring, and Control:



¿Planning Complete Streets?

A Latin American Perspective: City of Santiago de Cali - Colombia

It's just starting....

¿We are on the right way?

Thank You!

**Jackeline Murillo Hoyos, Ph.D.**

Assistant Professor

School of Civil Engineering and Geomatics

College of Engineering

Universidad del Valle

jackeline.murillo@correounivalle.edu.co





# Healthy Streets – a London perspective

Thomas Parker – Senior Strategic Transportation Officer

# City of London Context

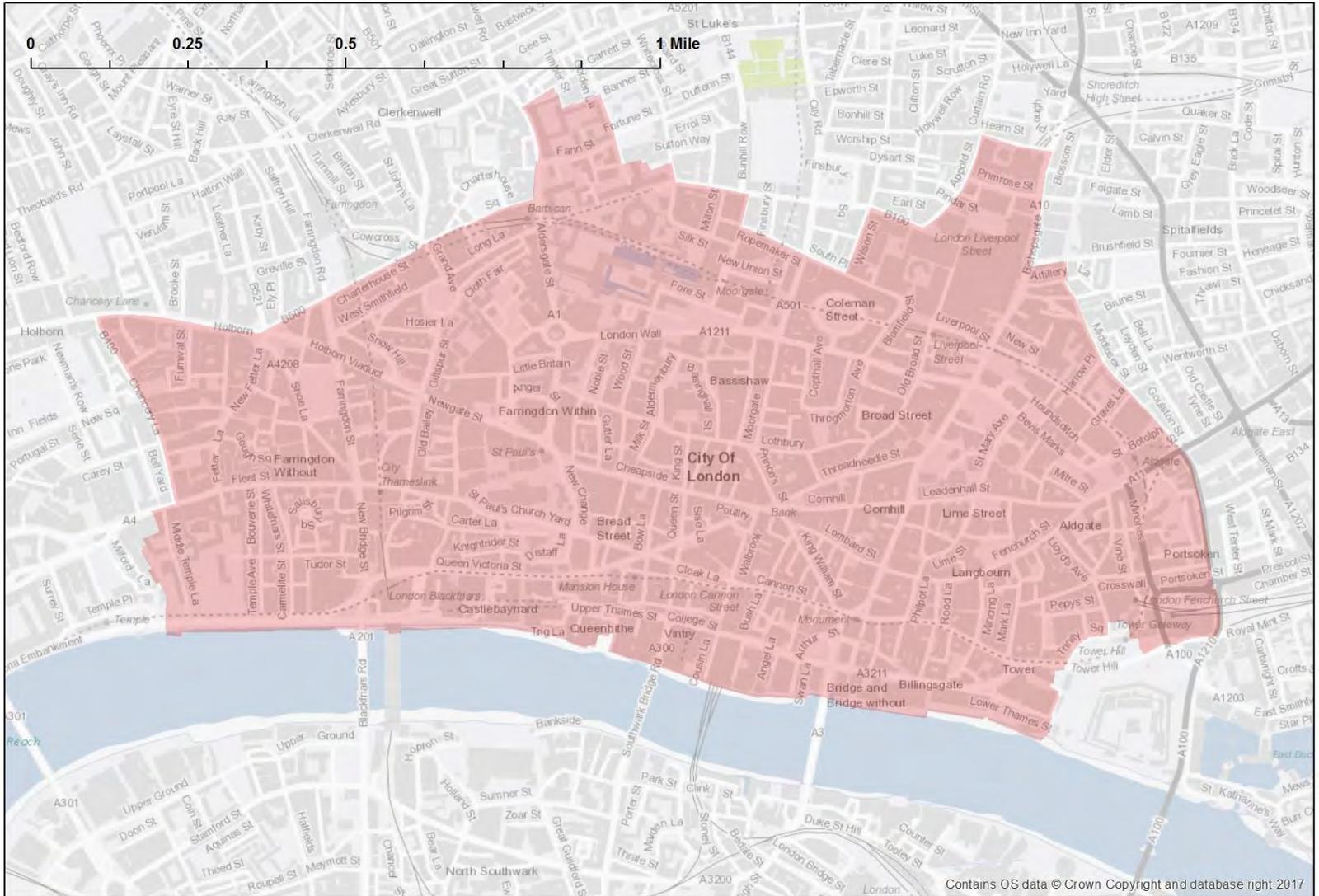


City of London



# City of London Context

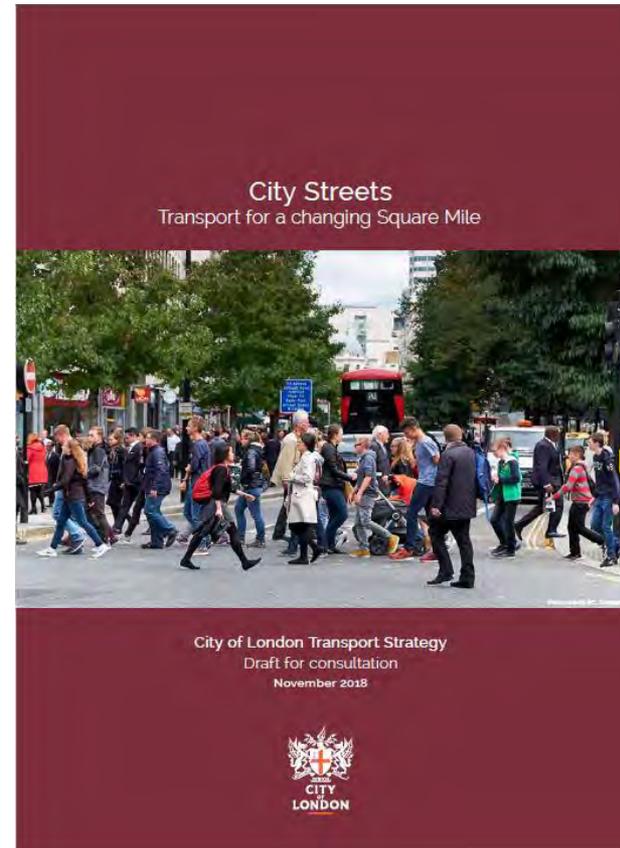
# City of London



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# City of London Transport Strategy

- The City of London Corporation has developed a long-term Transport Strategy for the Square Mile.
- This outlines how, over the next 25-years, the use and management of the City's streets will change and how connections to the City should be improved.

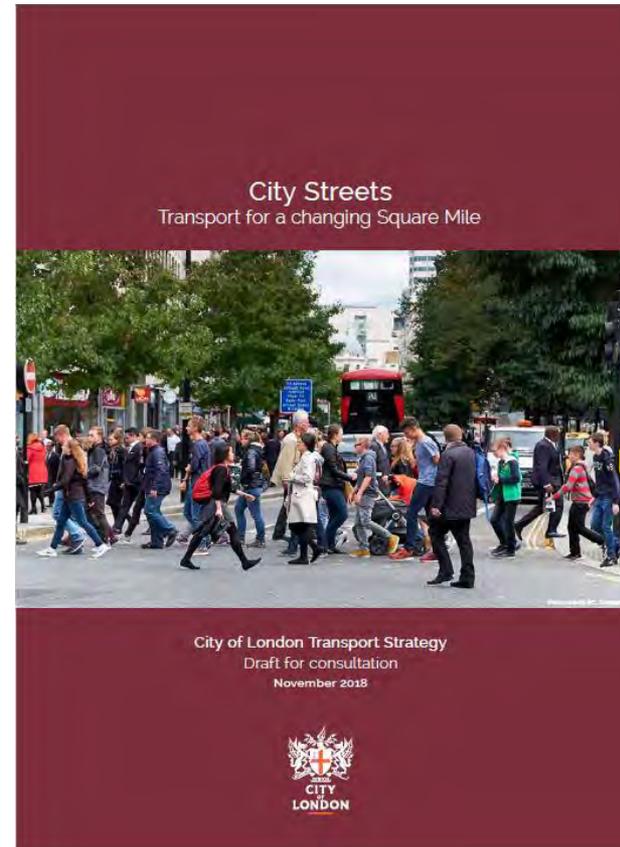


# Healthy Streets



# Key proposals

- 15mph speed limit
- Pedestrian priority on 50% of streets
- New road user charging
- Two zero emission zones



# Healthy Streets and Freight

- Policies must support the freight industry in this context. This is not always at the point of conflict.
  - Freight consolidation
  - Last mile logistics hubs
  - Retiming deliveries
  - The River Thames

# Traffic in the City

Percentage change in vehicle volumes  
from 1999 to 2017 (7am to 7pm)

Cars and taxis



-59%

Vans



-37%

Lorries



-51%

P2W

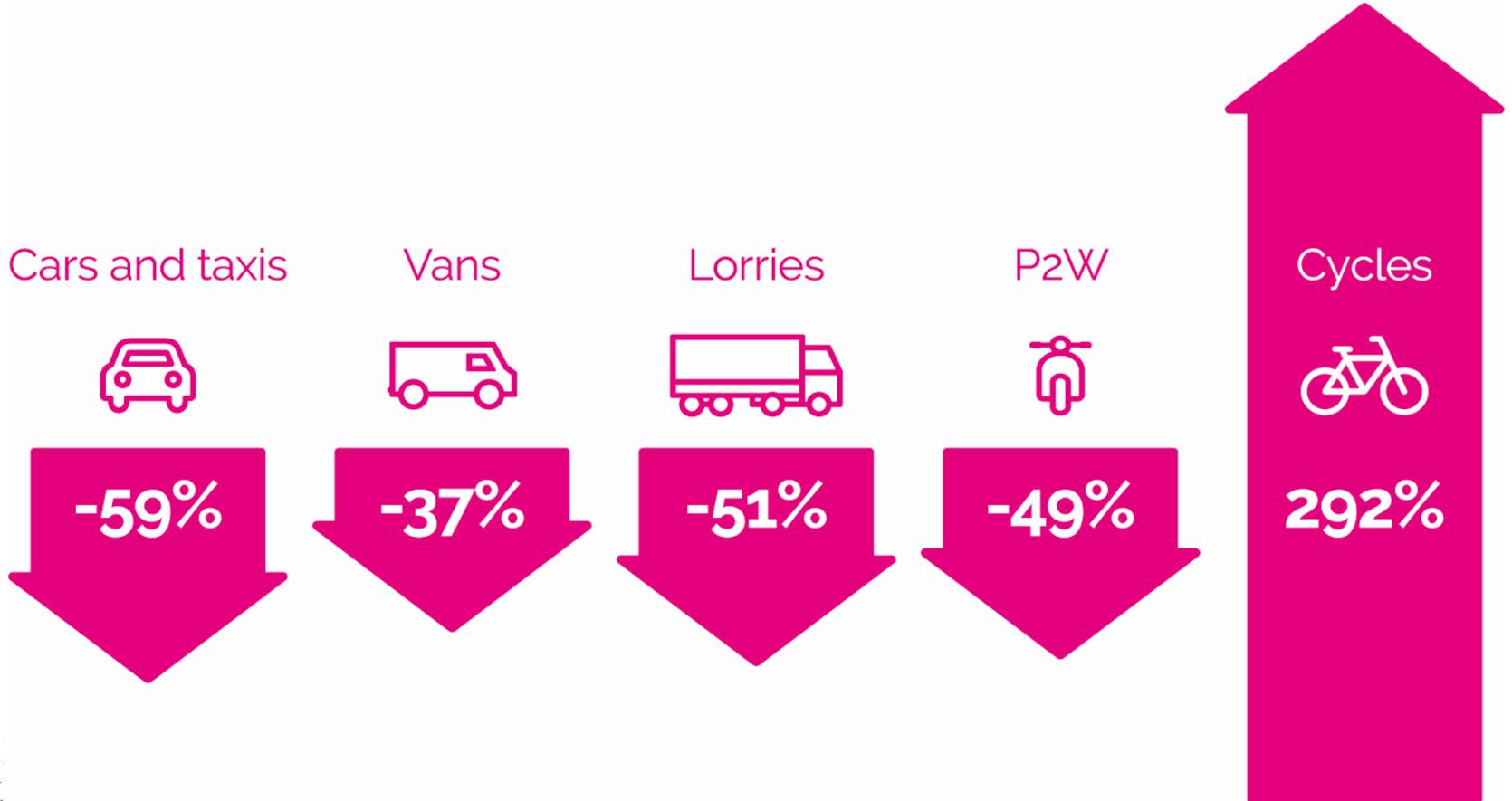


-49%

Cycles

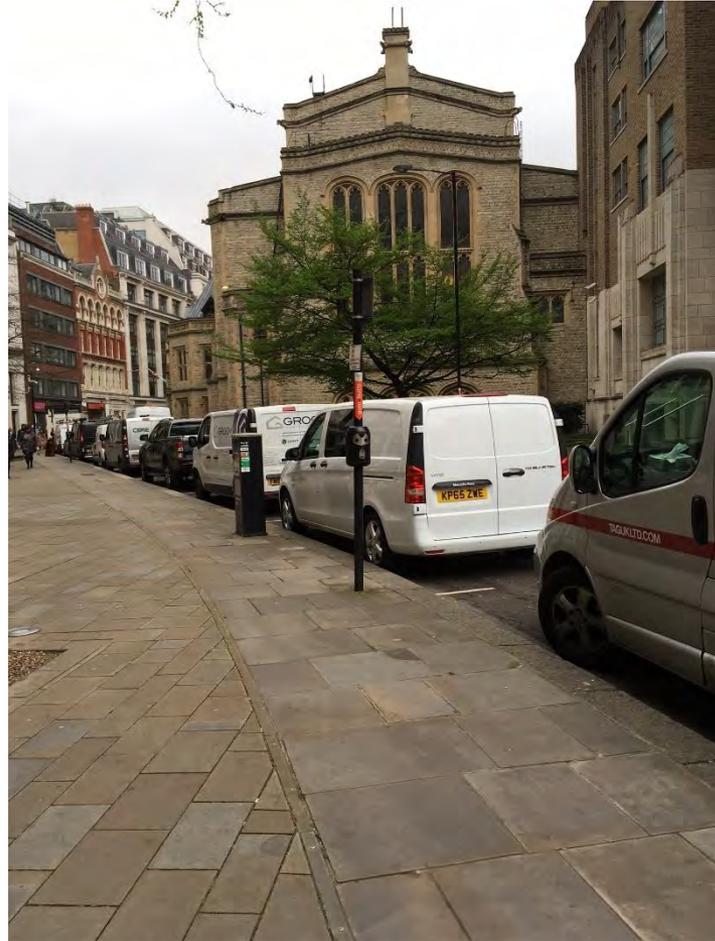


292%





# Thank you



[Thomas.Parker@cityoflondon.gov.uk](mailto:Thomas.Parker@cityoflondon.gov.uk)

## MetroFreight Workshop: Urban Freight Solutions for a Smart City

### Project Description

A four-acre (1.62 hectare) site in a moderately-to-highly dense section of a major urban center (12,061 people per sq. mile) is slated for redevelopment. Once home to a cement plant and a vehicle storage facility used by a state department of transportation, the site is being repurposed from light manufacturing and public facility uses to community commercial serving uses.

The site is bordered by two large thoroughfares but is also the location of a recently opened light rail station with service to the City's downtown core, approximately 13 miles (21 kilometers) to the east. The City, in the interest of creating a more livable environment and one that supports transit use, has approved the following uses for the site:

- Mixed-use commercial and residential development with shared commercial and residential access along one of the thoroughfares
- Approximately 266,800 square feet (24,786 sq. meters) of retail commercial floor area (of which 15,000/1393 is on the ground floor)
- 538 residential units (59 dedicated for low-income seniors, 56 studios, 262 one-bedroom units, 201 two-bedroom units and 19 three-bedroom units)
- 2,029 parking spaces combined for residential, commercial and guest use (per Building and Zoning code standards) provided in five subterranean parking levels
- Pedestrian access to existing and planned bus stops, including an area where buses are able to wait for time stops
- The architectural design features multiple nine-story structures along the main thoroughfares and a 13-story tower at the east end of the property.



The City has also recently adopted a Complete Streets Plan and believes that this development can serve as a model for how to transition from a car-centric present to a future that embraces transit and bicycle/pedestrian serving uses. The city has received some push back however from local residents concerned about the design and its impacts on the community. You have been asked to take part in a community planning meeting to discuss possible changes.

1. Identifying the Problem

Identify the freight-serving and construction-related activity generated by the proposed development and existing traffic

Enumerate the potential conflicts between the freight-related activity on the site and the other proposed uses.

2. Strategies and Solutions for Urban Freight Challenges

Using the Complete Streets Guide, identify possible strategies for both street management and demand management that would mitigate potential conflicts between users of the site including freight.

What other strategies should be considered?

Which stakeholders should be included in the discussions surrounding the redesigned plan? Think about who controls right-of-way, who funds improvements, who enforces operational standards

3. Institutionalizing Solutions Through Policy

As a community stakeholder, what recommendations would you make to the City that would have prevented an unpopular and possibly unworkable design from being built?



Caltrans Mentorship Reception

Check in	Last Name	First Name	Job Title
x	Alfaro Jr.	Gustavo (Gus)	District 5
x	Arriola	Leonard	Director of Intermodal and Drayage Services
x	Barnea	Avital	
x	Bowen	Carrie	
x	Buffenbarger	Jacob	District 4
?	Chen	Yu-Jen	District 8
x	Cribbs	Jeff	
x	Dexter	Sue	
x	Eagan	Kelly	Sacramento
x	Fitzgerald	Jennifer	
x	Fong	Alex	District 3
x	Gastelum	Marianne	
x	Giuliano	Genevieve	
X	Hayes	Jolene	
x	Hindes	Kent	
?	Iwamasa	Cole	District 12
x	Jackson	Abigail	Sacramento
x	Keller	Riley	District 8
x	Kelso	Mike	
x	Kent	Stephen	Sacramento
x	Kopulsky	Daniel	District 7
x	Kwan	Yatman	Sacramento
?	Libatique	David	
x	Mammano	Vince	
x	Marquez	Paul	District 7
x	Monson	Tyler	Sacramento
x	Morneau	Jeff	Sacramento
x	Nealon	Alison	Sacramento
x	Nord	C.J.	
x	O'Brien	Tom	
x	O'Connor	Lynn	District 10
x	Parmar	Kiran	Sacramento
x	Peltier	Don	Director of Operations, West Coast
x	Robinson	Michael	District 10
x	Robinson	Dwight	Vice President & General Manager,
x	Robinson	Keri	District 11
x	Schneider	Drew	Assistant Director of Security
x	Shankel	James	District 7
	Short	Jeffrey	
?	Showalter	Catherine	

Caltrans Mentorship Reception

x	Slover	Eva	Si -I Sh	Sacramento
x	Valentino	Danielle		
?	Vargas	Lauren		
x	Warren	Elizabeth		
x	Yamagami	Akiko		

Caltrans Mentorship Reception  
Sign-In Sheet

Company/Organization
Caltrans
Dependable Supply Chain Services
CalSTA
HDR
Caltrans
Caltrans
Fairgrounds Transportation
University of Southern California
Caltrans
BNSF
Caltrans
California State University Long Beach
University of Southern California
Fehr & Peers
Cushman Wakefield
Caltrans
Caltrans
Caltrans
Ability Tri-Modal
Caltrans
Caltrans
Caltrans
Port of Los Angeles
FHWA
Caltrans
Caltrans
Caltrans
Caltrans
City of Bellflower
California State University Long Beach
Caltrans
Caltrans
Direct ChassisLink, Inc.
Caltrans
Los Angeles Harbor Grain Terminal
Caltrans
Port of Long Beach
Caltrans
American Trucking Foundation
California State University Long Beach

Caltrans Mentorship Reception  
Sign-In Sheet

Caltrans
Metro
City of Long Beach
California State University Long Beach
Metro

Dear Industry Partners,

Thank you for attending today's MetroFreight Workshop on Complete Streets and Urban Freight. We hope you found the program as valuable as we did. We'd like to inform you of another opportunity to learn about how to participate in the development of urban freight programs.

As you may know, CITT has supported professional development efforts for Caltrans through a series of activities including our Freight Academies, which introduce the agency's staff to logistics and the supply chain over the course of an immersive one-week training. This year, we will also be launching a Caltrans Mentors program designed to match personnel with freight-related practitioners. The purpose of the program is to allow Caltrans employees to engage on a more regular basis with users of the freight system so that they better understand the impact of statewide planning on the freight and logistics sector.

**I am writing to invite you to a reception launching this program during this week's International Urban Freight Conference at the Hotel Maya on Thursday October 17, from 5:30 to 7:30 pm.** During this meet-and-greet we will share more information about the roll-out and how you might participate. Please join us and others in the goods movement industry for a fun evening overlooking Long Beach.

Thank you for your consideration of our invitation and request.

**Please RSVP by Wednesday, October 16.**

To RSVP or for questions, please contact Elizabeth Warren at [Elizabeth.Warren@csulb.edu](mailto:Elizabeth.Warren@csulb.edu), or 310.922.6227.

Thank you.

Tom

Category	First Name	Last Name	Job Title	Department	Company/Organization	Email
International	Peter	Hall	Associate Dean, Faculty of Arts and	Professor of Urban Studies	Simon Fraser University	pvhall@sfu.ca
International	Claudio	Barbieri Da Cunha			University of Sao Paulo	cbcunha@usp.br
International	Astrid	Björger	PhD Candidate/Senior Advisor	NTNU Faculty of Architecture and	SINTEF Mobility and Economics	astrid.bjorger@sintef.no
International	Dominic	Hofmann	Head of Research	Research Lab for Urban Transport	Frankfurt University of Applied Sciences	dominic.hofmann@fb1.fra-uas.de
International	Leise Kelli	de Oliveira	Associate Professor	Coordenadora do Curso de Mestr	Universidade Federal de Minas Gerais - Fleise	etg.ufmg.br
International	Jackeline	Murillo Hoyos	Professor		Universidad del Valle	jackeline.murillo@correounivalle.edu.co
International	Thomas	Parker	Senior Strategic Transportation Officer		City of London Corporation	Thomas.Parker@cityoflondon.gov.uk
			Professor of logistics and urban	Department of Business	School of Business, Economics and Law	
International	Michael	Browne	freight transport	Administration	at University of Gothenburg	michael.browne@handels.gu.se
International	Laetitia	Dablanc			IFSTTAR	laetitia.dablanc@ifsttar.fr
Nolmark	Henrik	Nolmark			VREF Center of Excellence	henrik.nolmark@vref.se
				State Government Affairs, West		
Industry	Bruce DD	Mac Rae	Vice President	Region	UPS	bmacrae@ups.com
Industry	Jeffrey	Short	Vice President		American Transportation Research Instit	<a href="mailto:jshort@trucking.org">jshort@trucking.org</a>
Industry	Kent	Hindes	Senior Director	Logistics & Industrial Services	Cushman & Wakefield	<a href="mailto:kent.hindes@cushwake.com">kent.hindes@cushwake.com</a>
Industry	David	Bolderoff	Transportation Manager		Los Angeles County Sanitation Departme	<a href="mailto:Dbolderoff@lacsdc.org">Dbolderoff@lacsdc.org</a>
Industry	Ce'Mone	Biggles	VP of Operations		DK Express	cemone@dkexpressusa.com
Industry	Andy	Ng			DK Express	<a href="mailto:andy@dkexpressusa.com">andy@dkexpressusa.com</a>
Industry	Julie	Wright	Senior Solutions Architect		Volvo Group Connected Solutions	<a href="mailto:julie_wright@volvo.com">julie_wright@volvo.com</a>
Industry	Rolina	Camello			Fairgrounds Transport	Rolina@fgtrans.com
Industry	Tim	Mullaney	Vice President of Operations		Ability Tri-Modal Transportation	<a href="mailto:timm@trimodal.com">timm@trimodal.com</a>
Local Agency	Carlos	Velasquez	Planning Commissioner		City of South Gate	<a href="mailto:carlos.velasquez50@gmail.com">carlos.velasquez50@gmail.com</a>
					Office of Mayor Eric Garcetti, City of Los	
Local Agency	Julia	Thayne	Mobility Innovation		Angeles	<a href="mailto:julia.thayne@lacity.org">julia.thayne@lacity.org</a>
			Transportation Planning			
Local Agency	Paul	Backstrom	Manager		LA Metro	<a href="mailto:backstromP@metro.net">backstromP@metro.net</a>
			Senior Director, State			
Local Agency	Patricia	Chen	Programming and Policy		LA Metro	<a href="mailto:chenp@metro.net">chenp@metro.net</a>
			Director, Office of Freight and			
Local Agency	Caitlin	Hughes-Rayman	Operations		FHWA	<a href="mailto:Caitlin.Hughes@dot.gov">Caitlin.Hughes@dot.gov</a>
Local Agency	Danny	Gamboia			Healthy Active Streets	<a href="mailto:danny@healthystreets.org">danny@healthystreets.org</a>
					Southern California Association of	
Local Agency	Mike	Jones	Senior Regional Planner		Governments (SCAG)	<a href="mailto:ionesm@scag.ca.gov">ionesm@scag.ca.gov</a>
Local Agency	Eric	Thronson	Chief Consultant		California State Assembly	<a href="mailto:Eric.Thronson@asm.ca.gov">Eric.Thronson@asm.ca.gov</a>
Local Agency	Christopher	Eaves	Senior Civil Engineer		Seattle DOT	<a href="mailto:chris@eavestransportation.com">chris@eavestransportation.com</a>
Local Agency	Greg	Anunson	Planning Commissioner		City of Torrance	<a href="mailto:OMartinez@TorranceCA.gov">OMartinez@TorranceCA.gov</a>
Local Agency	Fernando	Navarrete	Field Deputy, Wilmington		City of Los Angeles	fernando.navarrete@lacity.org
Local Agency	Lauren A.	Vargas	Director of Innovation Delivery & Special Projects		Office of Mayor Robert Garcia	lauren.vargas@longbeach.gov
Local Agency	C.J.	Nord	Committee Member		City of Bellflower	<a href="mailto:cjnordcpm@gmail.com">cjinordcpm@gmail.com</a>
			Principal Transportation			
Local Agency	Ken	Husting, P.E.	Engineer, Parking Management		LADOT	<a href="mailto:ken.husting@lacity.org">ken.husting@lacity.org</a>
Staff	Tom	O'Brien				
Staff	Genevieve	Giuliano				
Staff	Catherine	Showalter				
Staff	Elizabeth	Warren				
Presenter/Facilitator	Alison	Conway	Associate Professor of Civil Engineering		City College of New York	aconway@ccny.cuny.edu
Facilitator	Juvena	Ng			Rensselaer Polytechnic Institute	
Facilitator	Carlos	Rivera			Rensselaer Polytechnic Institute	
Facilitator	Diana	Ramirez			Rensselaer Polytechnic Institute	
Facilitator	Mario	Monsreal	Research Scientist		Texas A&M Transportation Institute	m-monsreal@tti.tamu.edu
Caltrans	Alex	Fong	District 3			

Caltrans	Jacob	Buffenbarger	District 4
Caltrans	Gustavo (Gus)	Alfaro Jr.	District 5
Caltrans	James	Shankel	District 7
Caltrans	Daniel	Kopulsky	District 7
Caltrans	Paul	Marquez	District 7
Caltrans	Riley	Keller	District 8
Caltrans	Yu-Jen	Chen	District 8
Caltrans	Lynn	O'Connor	District 10
Caltrans	Michael	Robinson	District 10
Caltrans	Cole	Iwamasa	District 12
Caltrans	Jeff	Morneau	Sacramento
Caltrans	Abigail	Jackson	Sacramento
Caltrans	Kiran	Parmar	Sacramento
Caltrans	Eva	Slover	Sacramento
Caltrans	Stephen	Kent	Sacramento
Caltrans	Kelly	Eagan	Sacramento
Caltrans	Alison	Nealon	Sacramento
Caltrans	Yatman	Kwan	Sacramento

# 2019 I-NUF Conference Detailed Agenda

(as of 10/18/2019)

## Topics

1. Local/last mile pickup and delivery
2. Trade nodes and hubs – ports, airports, distribution hubs
3. Freight modes – trucking, rail, water
4. Urban modeling and planning
5. New technology
6. Changing consumption, production and spatial organization
7. Best practices

## Wednesday, October 16, 2019

7:30-8:30 AM Continental Breakfast and Check In  
Vista del Mar

8:30-10:00 AM Opening Plenary Session  
Lagunita Pavilion

Host: **Genevieve Giuliano**, Director, METRANS

Welcome Speakers: **Henrik Nolmark**, Director, Volvo Research and Educational Foundations; **Neeraj Sood**, Vice Dean, Sol Price School of Public Policy, USC; **Simon Kim**, Associate Vice President, Research and Sponsored Programs, CSULB; **John Keisler**, Director of Economic and Property Development, City of Long Beach; **Caitlin Hughes**, Director, Freight Management and Operations, FHWA

Introduction: **Genevieve Giuliano**, METRANS

Keynote Speaker: **Ian Roark**, Vice President, Workforce Development, Pima Community College

Title: **Looking Ahead: Workforce Development for Transportation & Logistics in the 4th Industrial Revolution**

10:00-10:30 AM Break – Vista del Mar

10:30 AM-Noon Concurrent Sessions

### Mirador

**Track 1-1 | So What's With this Bicycle for Last Mile Deliveries?**

*Session Moderator: Alison Conway, The City College of New York*

**The bicycle as contribution to the logistic efficiency of freight transport in the last mile**

**Presenter: Guillermo Arcila Mena, Universidad Nacional de Colombia at Medellin**

*Co-authors: Carlos A. Gonzalez-Calderon and John Jairo Posada-Henao, Universidad Nacional de Colombia at Medellin*

**Eco-Transfer System to Foster Sustainable Last-Leg Delivery Modes**

**Presenter: Sofia Perez-Guzman, Rensselaer Polytechnic Institute**

*Co-author: Carla Wang, Rensselaer Polytechnic Institute*

**Cargo bikes – A risen star in last mile pickup and delivery**

**Presenter: Anan Sutaria, University of Antwerp**

*Co-authors: Ivan Cardenas and Thierry Vanelslander, University of Antwerp*

## **Cival**

### **Track 5-3 Freight Transport Technologies and Logistics**

*Session Moderator: Peter Hall, Simon Fraser University*

**Automation of Chittagong port for increasing the container handling capacity and port efficiency to meet the demand of port users**

**Presenter: Razon Chandra Saha, Bangladesh University of Professionals**

**Impacts of Implementing Zero Emission Container Handling Equipment on a Container Terminal**

**Presenter: Doug Thiessen, Moffatt & Nichol**

*Co-authors: Kerry Simpson and Pekka Ranta, Moffatt & Nichol*

**A proposal for zero-emissions, electrified short-haul 'rolling highway' intermodal freight rail in the Southern California region**

**Presenter: Brian Yanity, Rail Propulsion Systems**

*Co-authors: Thomas White, VTD Rail Consulting and Jan Eriksson, FlexiwaggonAB*

## **Tikal**

**Special Session 1 Maximizing Multimodal Connections for Improved First-/Last-Mile Freight Mobility: Noteworthy Practices from the U.S. and Abroad**

**Jointly sponsored by FHWA, TRB Urban Freight Transportation Committee, and AASHTO**

**Session Moderator: Tamiko Burnell, Federal Highway Administration**

**Panelists:**

**Jill Lemke, Manager of Strategic Planning & Special Projects, Maryland Port Authority**

**Daniel Pallme, Assistant Chief of Freight and Logistics, Tennessee Department of Transportation**

**Scott Drumm, Director of Research and Strategic Analysis, Port of Portland**

## **Luna Solstice**

**Track 4-4 Modeling and Planning Implications of Freight Patterns**

*Session Moderator: José Holguin-Veras, Rensselaer Polytechnic Institute*

**Urbanization, Logistics and the Environment**

**Presenter: Paul Larson, University of Manitoba**

**Characterization of Spatial Patterns in MSA**

**Presenter: Juvena Ng, Rensselaer Polytechnic Institute**

*Co-authors: José Holguin-Veras, Carlos Rivera-Gonzalez, and Joshua Schmid, Rensselaer Polytechnic Institute*

**Spatial Patterns of Freight-Intensive Sectors**

**Presenter: Carlos Rivera-Gonzalez, Rensselaer Polytechnic Institute**

*Co-authors: José Holguin-Veras and Oriana Calderon-Quevedo, Rensselaer Polytechnic Institute*

*Noon-1:30 PM Lunch*

*Lagunita Pavilion*

**Introduction: Ray Familathe, President, ILWU Local 13**

**Keynote Speaker: Bernie Kotlier, Executive Director, Labor Management Cooperation Committee and National Co-chair, Electric Vehicle Infrastructure Training Program**

**Keynote Title: Electrification of the Last Mile**

**Mirador**

**Track 1-2 Understanding the Impacts of Last Mile Services and Behaviors**

*Session Moderator: Laetitia Dablanc, IFSTTAR*

**CEP services in terms of sustainability - Simulating the impact of urban last-mile delivery services in terms of CO2 emission outputs**

**Presenter: Marvin Auf der Landwehr, Hochschule Hannover**

*Co-authors: Christoph van Viebahn, Maik Trott and Jan Dünte, Hochschule Hannover*

**Consumer and business characteristics of 'Instant Deliveries' in Brazil: a need for new public policies**

**Presenter: Leise Kelli de Oliveira, UFMG**

*Co-authors: Carla de Oliveira Leite Nascimento, Caio Henrique de Oliveira Lobo Cordeiro, and Pedro Henrique Caldeira Caliani, UFMG; Laetitia Dablanc, IFSTTAR/University of Paris-East*

**E-Commerce Impacts on Regional Travel and Energy Use: Household Shopping and Parcel Delivery Tradeoffs**

**Presenter: Monique Stinson, Argonne National Laboratory**

*Co-authors: Annesha Enam and Joshua Auld, Argonne National Laboratory; Amy Moore, Oak Ridge National Laboratory*

**How sustainable are home delivery concepts in an urban context? Quantifying the emission output impacts of e-grocery on different city district types**

**Presenter: Maik Trott, Hochschule Hannover**

*Co-authors: Marvin Auf der Landwehr and Christoph von Viebahn, Hochschule Hannover*

**Cival**

**Track 3-2 Truck Traffic Analysis**

*Session Moderator: Hossein Jula, California State University, Long Beach*

**Characterization of Truck Traffic in Metro Manila**

**Presenter: Riches Bacero, De La Salle University**

*Co-author: Alexis Fillone, De La Salle University*

**Traffic and Infrastructure Implications of Deploying Connected, Autonomous Drayage Trucks**

**Presenter: Jean-Daniel Saphores, Institute of Transportation Studies, University of California, Irvine**

*Co-author: Monica Ramirez Ibarra, Institute of Transportation Studies, University of California, Irvine*

**Tikal**

**Track 2-1 Distribution Network Design Innovations**

*Session Moderator: José Holguín-Veras, Rensselaer Polytechnic Institute*

**A new method of network design for urban distribution: The case of gasoline distribution.**

**Presenter: Mario Monsreal, Texas A&M Transportation Institute**

**Distribution Structure Design: A Study of 3 Industry Sections**

**Presenter: Alexander Onstein, Delft University of Technology**

*Co-authors: Lóránt A. Tavasszy, Delft University of Technology and Dick A. Van Damme, Amsterdam University of Applied Science*

**The Distribution Networks of E-commerce: Emergence of a Geography of City Logistics**

**Presenter: Jean-Paul Rodrigue, Hofstra University**

## **Luna Solstice**

### **Track 4-5 Freight Modeling Examples Around the World**

*Session Moderator: Miguel Jaller, University of California, Davis*

#### **Robust VSL Control and Impact on Traffic with High Volume of Trucks**

**Presenter: Faisal Alasiri, University of Southern California**

*Co-authors: Yihang Zhang and Petros Ioannou, University of Southern California*

#### **A Carrier Load Pricing Model with Seasonality and Forward-/Back-Haul Pricing Differences**

**Presenter: Monique Stinson, Argonne National Laboratory**

*Co-authors: Ehsan Rahimi and Abolfazl (Kouros) Mohammadian, University of Illinois at Chicago*

#### **Intermodal freight transportation facilities for two major cities of Bangladesh in providing maritime logistics support to cater to international trade**

**Presenter: Razon Chandra Saha, Bangladesh University of Professionals**

#### **Effects of Urban Freight on Bridge Repair Schedule Following a Disaster**

**Presenter: Mehrnaz Doustmohammadi, University of Alabama in Huntsville**

*Co-authors: Eric Merschman, Abdullahi M. Salman, and Michael Anderson, University of Alabama in Huntsville*

*3:00-3:30 PM Break – Vista del Mar*

*3:30-5:00 PM Concurrent Sessions*

## **Mirador**

### **Track 1-3 Micro Hubs, Lockers and Collect Points**

*Session Moderator: Caitlin Hughes, FHWA*

#### **Exploring consumers' omnichannel behaviour and the impact on last mile and sustainability**

**Presenter: Heleen Buldeo Rai, Vrije Universiteit Brussel**

*Co-authors: Koen Mommens, Sara Verlinde and Cathy Macharis, Vrije Universiteit Brussel*

#### **Local “hives”: How added-value services can make micro-hubs for urban goods distribution a success**

**Presenter: Ivan Dario Cardenas Barbosa, University of Antwerp**

*Co-authors: Roel Gevaers and Joris Becker, University of Antwerp*

#### **Analyzing the operational and cost impacts of pick-up points on e-commerce's last mile distribution: the case of São Paulo, Brazil**

**Presenter: Claudio B. Cunha, University of São Paulo**

*Co-authors: Rhandal Masteguim, University of São Paulo and Eva Ponce, Massachusetts Institute of Technology*

#### **The Spatial Dynamics of Amazon Lockers in Los Angeles County**

**Presenter: Jiawen Fang, University of Southern California**

## **Cival**

### **Track 3-3 Container and Vehicle Scheduling**

*Session Moderator: Matthew Roorda, University of Toronto*

#### **A distributed simulation-based load balancing method for traffic assignment in a large-scale network**

**Presenter: Penfei Chen, University of Southern California**

*Co-authors: Petros Ioannou and Maged Dessouky, University of Southern California*

**Distribution of non-alcoholic beverages in the city of Lima**

**Presenter: Mario Chong, Universidad del Pacifico**

*Co-author: Juan Manuel Machuca, Universidad de Pacifico*

**Truck Driver Shortest Path and Scheduling Problem with Working Hours and Parking Availability Constraints**

**Presenter: Filipe Vital, University of Southern California**

*Co-author: Petros Ioannou, University of Southern California*

**Solving the Empty Container Problem using Double-Container Trucks under Stochastic Demand**

**Presenter: Siyuan Yao, University of Southern California**

*Co-authors: Santiago Carvajal and Maged Dessouky, University of Southern California*

**Tikal**

**Track 2-2 Urban Freight Trucking Efficiency**

*Session Moderator: Anastasios Chassiakos, California State University, Long Beach*

**Dynamic Scheduling of Chassis Movements with Chassis Processing Facilities in the Loop**

**Presenter: Timothy VanderBeek, Boeing/California State University, Long Beach**

*Co-authors: Hossein Jula and Anastasios Chassiakos, California State University, Long Beach*

**Port container drayage: disruptions and interventions in urban context**

**Presenter: Peter V Hall, Simon Fraser University**

*Co-author: Thomas O'Brien, California State University, Long Beach*

**Truck Platooning from Urban Multimodal Facilities**

**Presenter: Matthew Reiter, University of California, Berkeley**

**Luna Solstice**

**Track 7-1 Global Solutions for Sustainable Urban Freight**

*Session Moderator: Jee-Sun Lee, The Korea Transport Institute (KOTI)*

**Sustainable and efficient urban freight transport – best practices in Stockholm City**

**Co-Presenters: Magnus Blinge, Scania CV and Robin Billsjö, City of Stockholm**

**Urban Freight and Logistics: Current State of Practices in India**

**Presenter: Ankit Gupta, Indian Institute of Technology (Banaras Hindu University)**

**ZEV Routing and Fleet Size Minimization for Drayage Operations**

**Presenter: Shichun Hu, University of Southern California**

*Co-author: Maged Dessouky, University of Southern California*

**Factors associated with truck dwell times in downtown Seattle**

**Presenter: Haena Kim, University of Washington**

*Co-authors: Anne Goodchild and Linda Ng Boyle, University of Washington*

5:00-7:00 PM Reception

Esplanade

# Thursday, October 17, 2019

7:30-8:30 AM *Continental Breakfast and Check In*  
Vista del Mar

8:30-10:00 AM *Plenary Session*  
Lagunita Pavilion

## **The Future of Last Touch Delivery: Balancing Industry Needs and Community Impacts**

**Moderator:** Kevin Turner, Executive Director, Cushman & Wakefield

### **Panelists:**

**Dan Floriani**, President & Co-Founder, Pacific Industrial

**Noel Massie**, U.S. Operations Manager, UPS (retired)

**Kim Snyder**, President, West Region, Prologis

**Michael Maricic**, International Sales Executive, FedEx

10:00-10:30 AM *Break – Vista del Mar*

10:30 AM-Noon *Concurrent Sessions*

### **Mirador**

#### **Track 1-4 Not So Easy Finding a Space for Loading/Unloading in Cities**

*Session Moderator: Michael Browne, University of Gothenburg*

#### **Do commercial vehicles cruise for parking?**

**Presenter: Giacomo Dalla Chiara, University of Washington**

*Co-author: Anne Goodchild, University of Washington*

#### **A Quantitative and Qualitative Understanding of Curbside Access Challenges for Last Mile Delivery in Los Angeles**

**Presenter: Scott Strelecki, Southern California Association of Governments**

*Co-authors: Alison Linder and Annie Nam, Southern California Association of Governments*

#### **On-Street Parking Capacity for Freight and Service Activity**

**Presenter: Diana Ramirez-Rios, Rensselaer Polytechnic Institute**

*Co-authors: José Holguin-Veras and Lokesh Kalahasthi, Rensselaer Polytechnic Institute*

#### **NYC Clear Curbs: Implications for Goods Movement – Phase II**

**Presenter: Yaxin Zhang, The City College of New York**

*Co-authors: Quanquan Chen, North Jersey Transportation Planning Authority; Carla Tejada and Alison Conway, The City College of New York*

### **Cival**

#### **Track 3-4 Urban Logistic Models**

*Session Moderator: Seiji Steimetz, California State University, Long Beach*

#### **Factors explaining the use of cargo bikes and cars in urban logistics: results from a stated preference experiment in Germany**

**Presenter: Johannes Gruber, DLR/German Aerospace Center**

*Co-authors: Lars Thomas, Humboldt University of Berlin; Felix Stecks, DLR/German Aerospace Center*

#### **Chassis: What in the World Will We Do?**

**Presenter: Bethany Stich, University of New Orleans**

*Co-author: Carol Short, University of New Orleans*

#### **Lessons learned from SCAG's external Heavy Duty Truck (HDT) model enhancement**

**Presenter: Stephen Yoon, Southern California Association of Governments**

Co-author: *Mana Sankapichai Southern California Association of Governments*

## **Tikal**

### **Track 2-3 Improving Seaport and Airport Infrastructure**

*Session Moderator: Genevieve Giuliano, University of Southern California*

#### **Modelling Port Elasticity**

**Presenter: Philip Davies, Davies Transportation Consulting, Inc.**

#### **San Pedro Bay Portwide Rail Study**

**Presenter: Shashank Patil, Port of Long Beach**

*Co-authors: Kerry Cartwright and Shozo Yoshikawa, Port of Los Angeles; Allison Yoh and Theresa Dau-Ngo, Port of Long Beach; Carlo Luzzi, AECOM*

#### **Evaluating the Role of Resilience in Reducing Economic Losses From Disasters: A Multi-Regional Analysis of A Seaport Disruption**

**Presenter: Dan Wei, University of Southern California**

*Co-authors: Zhenhua Chen, The Ohio State University and Adam Rose, University of Southern California*

#### **Key Success Factors to Attract E-commerce Logistics Activities at an Airport**

**Presenter: Wouter Dewulf, University of Antwerp**

*Co-authors: Ivan Cardenas and Thomas Van Assch, University of Antwerp*

## **Luna Solstice**

### **Track 7-2 Shipping in the City**

*Session Moderator: Jeff Wojtowicz, Rensselaer Polytechnic Institute*

#### **Developing Design Guidelines for Commercial Vehicle Envelopes on Urban Streets**

**Presenter: Edward McCormack, University of Washington**

*Co-author: Anne Goodchild, University of Washington*

#### **How Do Smart Growth Cities Take On Rocket Increase of E-Commerce? Assessing Effective Strategies for California Cities**

**Presenter: Nico Boyd, Fehr & Peers**

*Co-author: Fatemeh Ranaiefar, Fehr & Peers*

#### **Cargo bikes: an alternative to improve shipments in urban centers**

**Presenter: Carlos Andrés Granada-Muñoz, Universidad Nacional de Colombia at Medellin**

*Co-authors: Guillermo Arcila-Mena, Carlos A. Gonzalez-Calderon, John Jairo Posada-Henao, Universidad Nacional de Colombia at Medellin*

#### **Recommendations and Pilot Projects to Improve Curbside Access for Last Mile Delivery in Los Angeles**

**Presenter: Alison Linder, Southern California Association of Governments**

*Co-authors: Scott Strelecki and Annie Nam, Southern California Association of Governments*

*Noon- 1:30 PM Keynote Luncheon*

*Lagunita Pavilion*

Speaker Introductions: **Thomas O'Brien, Executive Director, CITT, CSULB**

**Special Speaker: Jordan Marks, AGL Student, Cabrillo High School, Long Beach Unified School District**

**Keynote Speaker: Alison Conway, Associate Professor, Civil Engineering, City College of New York**

**Title: Goods Movement in a Changing Streetscape**

1:30-3:00 PM Concurrent Sessions

**Mirador Track 1-5 Data, Simulation, Optimization Tools for Last Miles**

*Session Moderator: Bill Eisele, Texas A&A Transportation Institute*

**Cracking the Freight Data Nut: Estimating Center City Inbound and Outbound Vehicle Volumes from Cordon Counts**

**Presenter: Gabriela Giron-Valderrama, University of Washington**

*Co-author: Anne Goodchild, University of Washington*

**Creation of a Database for Delivery Journeys in Urban Centres**

**Presenter: Dominic Hofmann, Frankfurt University of Applied Sciences**

*Co-authors: Petra K. Schäfer and Kai-Oliver Schocke, Frankfurt University of Applied Sciences*

**Express Package Delivery Optimization Using On-Foot Personnel, Cargo Tricycles and Delivery Trucks: A Case Study for Downtown Toronto**

**Presenter: Patrick Meredith-Karan, Massachusetts Institute of Technology**

*Co-authors: Jia Hui Jiang, Sina Bahrami, and Matthew J. Roorda, University of Toronto*

**Cival**

**Track 4-1 Understanding Stakeholders Operations and Perspectives for Policy and Planning**

*Session Moderator: Tyler Reeb, California State University, Long Beach*

**Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Economies**

**Presenter: Johanna Amaya Leal, Iowa State University**

*Co-authors: Julia Arellana Ochoa and Maira Delgado Lindeman, Universidad del Norte*

**Collaboration in city logistics using interactive simulation: feedbacks from two workshops (non-expert and expert participants)**

**Presenter: Arthur Gaudron, MINES Paris Tech**

*Co-authors: Simon Tamayo and Arnaud de La Fortelle, MINES Paris Tech*

**Coordinated Freight Routing with Participation Incentives for Multiple Classes of Users**

**Presenter: Aristotelis-Angelos Papadopoulos, University of Southern California**

*Co-authors: Ioannis Kordonis, Maged Dessouky, and Petro Ioannou, University of Southern California*

**Identifying Trucking Needs within Today's Urban Planning**

**Presenter: Jeffrey Short, American Trucking Research Institute**

**Tikal**

**Track 5-1 Traffic Management in a Connected Environment**

*Session Moderator: Jean-Paul Rodrigue, Hofstra University*

**Evaluating left turn saturation flow rate at signalized intersections by applying Floating Car Data (FCD) Technology**

**Presenter: Nasima Bhuiyan, California State University, Long Beach and Stamford University Bangladesh**

**A new type of delivery jobs in large cities: on-demand instant delivery couriers in Paris Technology Evaluation Methods for Informed Decision-Making**

**Presenter: Laetitia Dablanc, IFSTTAR/University of Paris-East**

*Co-authors: Anne Aruilera, IFSTTAR and Alain Rallet, University of Paris-South*

**Technology Evaluation Methods for Informed Decision-Making**

**Presenter: Kat Janowicz, 3COTECH, Inc.**

## **Luna Solstice**

### **Track 7-3 Implementing Practices for Sustainable Urban Freight**

*Session Moderator: Tyler Monson, Caltrans*

#### **The importance of freight networks and partnerships in fostering sustainable urban freight initiatives**

**Presenter: Michael Browne, University of Gothenburg**

#### **Improving Reliability and Efficiency on Urban Transport Networks through Freight and Transit Signal Priority Strategies**

**Presenter: Evangelos Kaisar, Florida Atlantic University**

*Co-authors: Stavroula Manta, Florida Atlantic University; Shahadat Iqbal and Mohammed Hadi, Florida International University*

#### **Tools to Facilitate Implementation of Effective Metropolitan Freight Transportation Strategies**

**Presenter: Mario Monsreal, Texas A&M Transportation Institute**

*Co-authors: Bill Eisele and Shuang Guo, Texas A&M Transportation Institute; Seckin Ozkul, University of South Florida; Fatemeh Ranaiefar and Michael Kao, Fehr & Peers*

#### **It's just not boxes at the Port, the cargo comes in all shapes and sizes!!**

**Presenter: Rajeep Seetharam, Port of Long Beach**

*Co-author: Matthew Lyman, Port of Long Beach*

*3:00-3:30 PM Break -- Vista del Mar*

*3:30-5:00 PM Concurrent Sessions*

## **Mirador**

### **Track 6-1 Planning for the Future of Freight in Urban Regions**

*Session Moderator: Laetitia Dablanc, IFSTTAR*

#### **Mitigating the Impact of Freight in London: The City of London Transportation Strategy**

**Presenter: Tom Parker, City of London Corporation**

## **Cival**

### **Track 4-2 Freight and Environmental Sustainability**

*Session Moderator: Juvena Ng, Rensselaer Polytechnic Institute*

#### **Estimating fuel consumption and environmental pollution of freight activities from GPS data**

**Presenter: Trilce Encarnacion, Rensselaer Polytechnic Institute**

*Co-authors: José Holguin-Veras and Carlos Rivera-Gonzalez, Rensselaer Polytechnic Institute*

#### **Estimation of Exposure to PM<sub>2.5</sub> in Multi-contextual Segregation: A Case Study in Los Angeles County**

**Presenter: Yougeng Lu, University of Southern California**

#### **Evaluating the economic impacts of sustainable policies on inventory and fleet decisions**

**Presenter: Miguel Jaller, University of California, Davis**

*Co-author: Carlos Otero-Palencia, University of California, Davis*

## **Tikal**

### **Track 5-2 New Modes, New Methods**

*Session Moderator: Steve Holliday, Louisiana Department of Transportation and Development*

#### **Counting logistic vehicles in real time using deep learning**

**Presenter: Arthur Gaudron, MINES Paris Tech**

*Co-authors: Simon Tamayo and Salma Benslimane, MINES Paris Tech*

**Exploring the potential of drones for urban deliveries in the healthcare sector**  
**Presenters: Pauline Hagerfors and Sofia Magnusson, Chalmers University of Technology**  
*Co-authors: Ivan Sanchez-Diaz and Patrik Alexandersson, Chalmers University of Technology*

**A study of autonomous delivery robots and their potential impacts on freight efficiency and travel**

**Presenter: Dylan Jennings, Portland State University**  
*Co-author: Miguel Figliozzi, Portland State University*

**Modeling Drone Delivery Costs and Speed-Range-Payload Tradeoffs**  
**Presenter: Miguel Figliozzi, Portland State University**

## **Luna Solstice**

**Track 7-4 Strategies to Address Greenhouse Gas Emissions**  
*Session Moderator: Ed McCormack, University of Washington*

**The new setting and prospects of the urban freight market: the contribution of ALICE to decarbonization of European cities**

**Presenter: Paola Cossu, FIT/ALICE**  
*Co-authors: Charlotte Migne FM LOGISTICS/ALICE; Sergio Guerri, ITENE/ALICE; Fernando Liesa, ALICE*

**Urban Goods Movement and Local Climate Action Plans: Assessing strategies to reduce greenhouse gas emissions from urban freight transportation**

**Presenter: Andrew Goetz, University of Denver**  
*Co-author: Serena Alexander, San Jose State University*

**Emissions Produced by Intercity Freight Transportation**

**Presenter: Ricardo Quintero-Giraldo, Universidad Nacional de Colombia**  
*Co-authors: John Jairo Posada-Henao and Carlos Gonzalez-Calderon, Universidad Nacional de Colombia*

**The City of Oslo's action being climate friendly. How to develop sustainable urban freight in the new context**

**Presenter: Astrid Bjørgen, SINTEF**

## **Friday, October 18, 2019**

*7:30-8:30 AM Continental Breakfast and Check In*  
Vista del Mar

*8:30-10:00 AM Plenary Session*  
Lagunita Pavilion

### **Technology & Policy**

**Moderator: Carrie Bowen, California Highway & Roads Leader, HDR**

#### **Panelists:**

**Edward Alegre, Senior Manager, Highway Program, ITS, LA Metro**  
**Robert Brown, Head of Public and Government Affairs, TuSimple**  
**Marlon Flournoy, Chief, Division of Planning, Caltrans**  
**Vince Mammano, Division Administrator California Division, FHWA**

*10:00-10:30 AM Break – Vista del Mar*

**Mirador**

**Track 6-2 Home Delivery Activity: Measuring Demands and Impacts**

*Session Moderator: Miguel Figliozi, Portland State University*

**Impact of New Grocery E-Delivery Services on Travel Patterns, Access, and Equity**

**Presenter: Katherine Keeling, Portland State University**

*Co-author: Miguel Figliozi, Portland State University*

**Changing home-based shopping patterns are leading a new urban freight movements in the Seoul Metropolitan Area**

**Presenter: Jee-Sun Lee, The Korea Transport Institute**

*Co-authors: Sang Beom Seo, The Korea Transport Institute and Minyoung Park, Inha University*

**Characterizing Home Delivery to New York City Residents**

**Presenter: Carla Tejada, The City College of New York**

*Co-authors: Quanquan Chen, North Jersey Transportation Planning Authority; Yaxin Zhang and Alison Conway, The City College of New York*

**Home-Based Delivery Supply Chains: The Digitalization Paradigm**

**Presenter: Jean-Paul Rodrigue, Hofstra University**

**Cival**

**Track 4-3 Estimating Urban Freight Demand: Freight and Service Trip Generation**

*Session Moderator: Seekin Ozkul, University of South Florida*

**Service Trip Attraction and Respective Durations in Commercial Establishments**

**Presenter: José Holguín-Veras, Rensselaer Polytechnic Institute**

*Co-authors: Lokesh Kalahasthi and Diana Ramirez-Rios, Rensselaer Polytechnic Institute*

**Service Trips Generation Modeling: An Empirical Investigation**

**Presenter: Diana Patricia Moreno-Palacio, Universidad Nacional de Colombia at Medellin**

*Co-authors: Carlos Gonzalez-Calderon, John Jairo Posada-Henao, Ricardo Quintero-Giraldo, and Natalia Espitia-Pereira, Universidad Nacional de Colombia at Medellin*

**What can property owners do for sustainable urban freight? The case of Nordstan shopping mall**

**Presenter: Alena Brettmo, University of Gothenburg**

*Co-authors: Ivan Sanchez-Diaz and Michael Browne, University of Gothenburg; Christoffer Widegren, Trafikkontoret*

**Tikal**

**Special Session 2 Hyper-local and zero-emission urban deliveries via micro hubs: a solution for the future?**

**Session Moderator: Wouter Dewulf, University of Antwerp**

**Panelists:**

**Anne Goodchild, University of Washington**

**Alison Conway, The City College of New York**

**Laetitia Dablanc, IFSTTAR**

**Roel Gevaers, University of Antwerp/BD myShopi**

**Luna Solstice**

**Track 3-1 Use of Alternative Fuel Technologies in Logistics**

*Session Moderator: Sue Dexter, University of Southern California*

**Electric Vehicle Heavy-duty Drayage Trucks: A Case Study on the Impacts of Range on Operational Use in Los Angeles**

**Presenter: Sue Dexter, University of Southern California**

*Co-authors: Genevieve Giuliano and Jiawen Fang, University of Southern California*

**Energy Efficient Logistics in the Albany- New York City Corridor**

**Presenter: José Holguin-Veras, Rensselaer Polytechnic Institute**

*Co-authors: Carlos Rivera-Gonzalez and Julia Amaral, Rensselaer Polytechnic Institute*

**The Operational Strategy of Alternative Maritime Power at YGPA's container port in South Korea**

**Presenter: Hyowon Kang, Andong National University**

*Co-author: James Fawcett, University of Southern California*

**Local air benefits of switching a freight ferry from diesel to Liquefied Natural Gas (LNG)**

**Presenter: Weihan Peng, University of California, Riverside**

*Co-authors: Jiacheng Yang, Qi Li, David Cocker III, and J. Wayne Miller, University of California, Riverside; Joel Corbin, Una Trivanovic, Prem Lobo, Stéphanie Gagné, Steven Rogak, and Patrick Kirchen*

**12:30-4:30 PM**

***I-NUF TOUR BY BUS***

***Optional for I-NUF attendees only—limited seating; Tour of Long Beach Container Terminal and special demonstrations at Port of Los Angeles; box lunch provided***