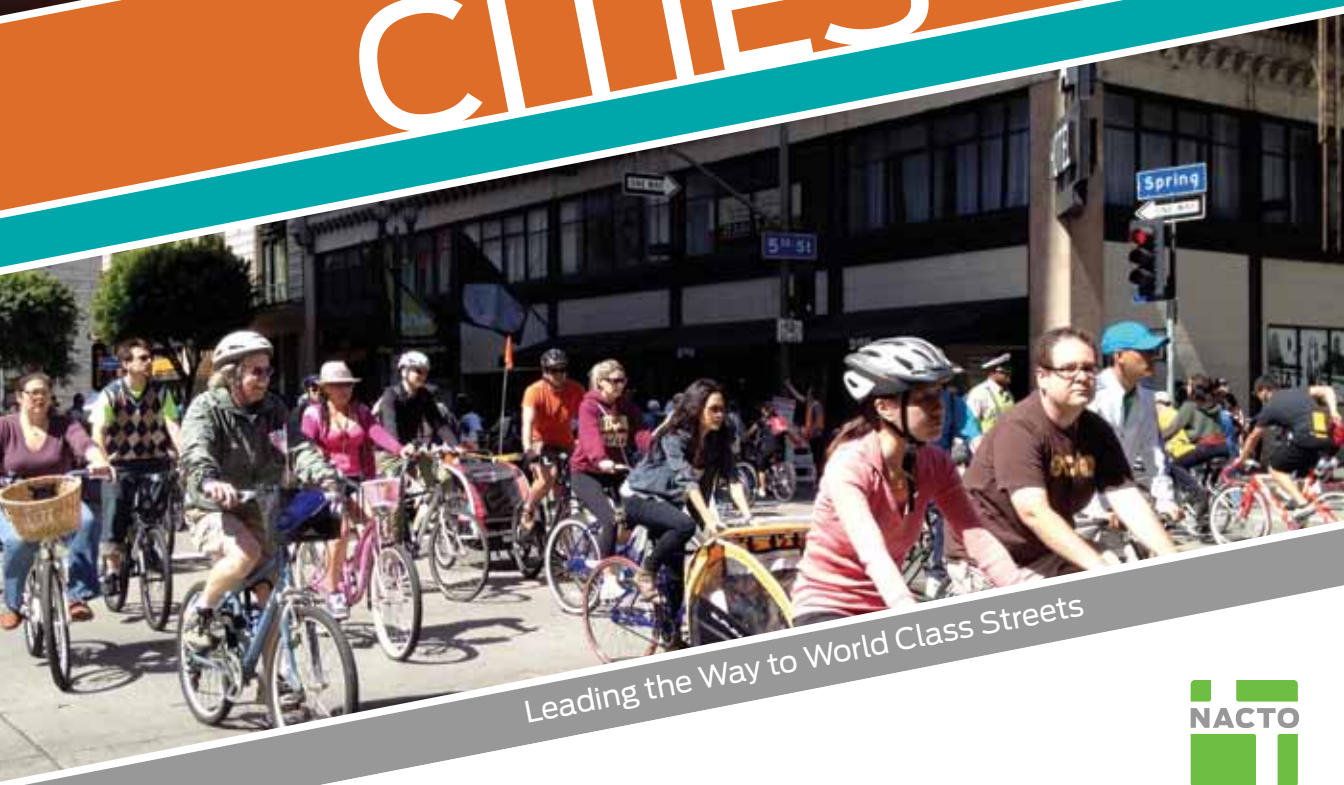




DESIGNING CITIES

October 27-29, 2013
Phoenix, Arizona



Leading the Way to World Class Streets



ABOUT NACTO



National Association of City Transportation Officials

Janette Sadik-Khan
Commissioner,
New York City Department
of Transportation
President

Edward D. Reiskin
Director of Transportation,
San Francisco Municipal
Transportation Agency
Vice President

Wylie Bearup
Director,
Phoenix Streets
Department
Secretary

Gabe Klein
Commissioner,
Chicago Department
of Transportation
Treasurer

Linda Bailey
Acting Executive Director

David Vega-Barachowitz
*Director, Designing Cities
Initiative*

55 Water Street, 9th Floor
New York, NY 10041
nacto@nacto.org
www.nacto.org

MEMBER CITIES

Atlanta
Baltimore
Boston
Charlotte
Chicago
Detroit
Houston
Los Angeles
Minneapolis
New York
Philadelphia
Phoenix
Portland
San Diego
San Francisco
Seattle
Washington DC

AFFILIATE MEMBERS

Arlington, VA
Austin
Burlington
Cambridge
Hoboken
Indianapolis
Louisville
Memphis
Oakland
Salt Lake City
Somerville, MA
Ventura, CA

MISSION

The National Association of City Transportation Officials (NACTO) is a 501(c)(3) non-profit association that represents large cities on transportation issues of local, regional and national significance. NACTO views the transportation departments of major cities as effective and necessary partners in regional and national transportation efforts, promoting their interests in federal decision-making.

We facilitate the exchange of transportation ideas, insights and best practices among large cities, while fostering a cooperative approach to key issues facing cities and metropolitan areas. As a coalition of city transportation departments, NACTO is committed to raising the state of the practice for street design and transportation by building a common vision, sharing data, peer-to-peer exchange in workshops and conferences, and regular communication among member cities.

We believe that by working together, cities can save time and money, while more effectively achieving their policy goals and objectives.

LEADING THE WAY

2013 was a banner year for city innovation in transportation. Major bike share systems launched in New York City, Chicago, and San Francisco. The number of protected bike lanes, most patterned on the Urban Bikeway Design Guide, nearly doubled. Parklets, bike corrals, bioswales, and public plazas are now familiar fixtures on streets from Philadelphia to Los Angeles—new tools transforming how we use, conceive, and design our streets. Cities are at the forefront of a monumental shift in transportation.

This year, NACTO celebrated the launch of its Urban Street Design Guide, a blueprint for designing world-class city streets. Written by the practitioners who are implementing transformative transportation projects across the United States, the guide codifies a people-oriented approach to street design. City leaders are seizing these principles and tools to reshape the urban public realm and dramatically improve urban quality of life.

The Urban Street Design Guide's official release came weeks after the Federal Highway Administration endorsed NACTO's Urban Bikeway Design Guide. This support, and the increasingly positive response of state and federal actors to city initiatives, is putting better street design on the fast track. Designing Cities Phoenix is the first in a series of meetings that strives to accelerate these positive trends and apply them to new and varied contexts.

Today's conversations will resound not only in American cities, but increasingly across our borders. Whether conceived through the lens of climate, equity, access, or public health and safety, it behooves us to understand our present challenge as a global one. The strategies in the Urban Street Design Guide have the potential to change the course of cities from Accra to Bangkok. The Designing Cities initiative is an opportunity to forge a common vision for healthier, sustainable, and livable cities of tomorrow.

Janette Sadik-Khan
President, NACTO
Commissioner, New York City Department of Transportation

AGENDA

SUNDAY 10/27

10:00 AM - 4:00 PM

Workshop
The Urban Street Design Guide Applied

Phoenix City Hall
200 W. Washington St., Assembly Rooms B/C

**Participation is limited to 40. Pre-registration is required. Lunch will be provided.*

6:00 PM - 8:00 PM

Opening Reception
Lustre Lounge & Deck, Third Floor, Hotel Palomar
**Food and beverage provided*

MONDAY 10/28

8:00 AM - 9:00 AM

Registration Third Floor Foyer
Continental Breakfast Lustre Lounge & Deck

9:00 AM - 9:45 AM

Opening Plenary Dreamcatcher Ballroom **PAGE 9**

9:45 AM - 10:30 AM

Keynote Panel Dreamcatcher Ballroom
Regional Transportation Challenges **PAGE 9**

10:30 AM - 10:45 AM

Coffee Break Third Floor Foyer

10:45 AM - 11:45 AM

Commissioners' Panel Dreamcatcher Ballroom
The Urban Street Design Guide: Changing the DNA of City Streets **PAGE 11**

12:00 PM - 1:00 PM

Lunch Lustre Lounge & Deck

PANELS 1:15 PM - 3:00 PM

PAGE 12

- Shared Mobility Systems
- Transforming Streets through Transit
- Integrating Space and Time
- Economic Benefits of Multi-Modal Transportation and Mixed-Use Development

3:00 PM - 3:15 PM

Cookie Break Third Floor Foyer

PANELS 3:15 PM - 5:00 PM

PAGE 14

- Quick Change Design Strategies
- Data Collection for Safe, Livable Streets
- Participatory Planning Applications and New Technologies
- Downtown Phoenix World-class Streets Workshop

TUESDAY 10/29

8:00 AM - 9:00 AM

Continental Breakfast Lustre Lounge & Deck
Keynote Address

PANELS 9:15 AM - 11:00 AM

PAGE 17

Meet the Cities Dreamcatcher Ballroom
Designing the World Class Street

11:00 AM - 11:15 PM

Coffee Break Third Floor Foyer

PANELS 11:15 AM - 1:00 PM

PAGE 18

- Level of Service
- Getting Across the Divide
- Next Generation Bikeways
- Financing City Transportation Infrastructure

INSIDE THIS PROGRAM

- 7 Welcome, Funders and Sponsors
- 9 Monday Detailed Agenda
- 17 Tuesday Detailed Agenda
- 21 Tuesday Walkshops
- 30 Speaker Index
- 31 Professional Credit Certificate

1:00 PM

Lunch Box To Go Third Floor Foyer

WALKSHOPS 1:30 PM - 4:00 PM

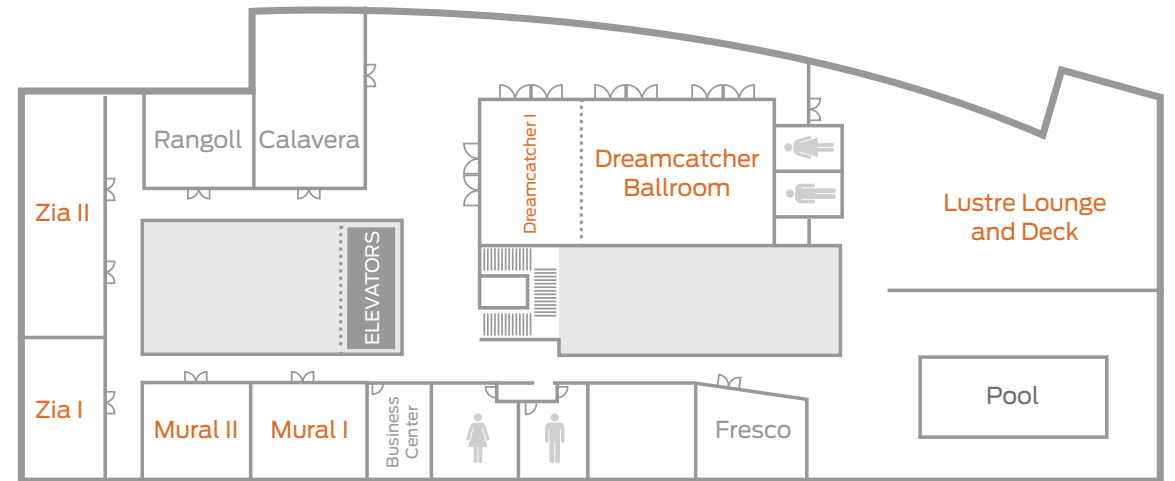
PAGE 21

- Urban Bike Tour
- Sports District off Jefferson Street
- Pedestrian Areas in the Sonoran Desert
- Trolley Tour of Downtown Phoenix
- PHX Sky Train via Phoenix METRO Light Rail

1:30 PM - 3:30 PM

PAGE 29

Training the Trainer Zia II



HOTEL PALOMAR, THIRD FLOOR

2 East Jefferson Street Phoenix, AZ 85004
(602) 253-6633

Remaking streets doesn't have to be a five or ten year process. You can remake streets quickly and inexpensively and deliver immediate benefits.

Janette Sadik-Khan

NACTO PRESIDENT,
NEW YORK CITY TRANSPORTATION COMMISSIONER



Photo: NYC DOT

WELCOME TO DESIGNING CITIES

Streets and sidewalks comprise almost 80 percent of a city's public space. These streets are not only essential corridors of commerce and industry, they also serve as front yards, playgrounds and theaters for urban life. It lies in the hands of communities to define how they use this wealth of space, but it is the responsibility of city leaders in transportation to stir their minds to imagine all the possibilities.

US cities are where innovation is happening. As we strive to compete in a global environment, cultural and economic productivity will be centered around our cities, the engines of our nation's economy.

Designing Cities: Leading the Way to World Class Streets is an opportunity for elected officials, transportation leaders and key stakeholders from the public and private sector to forge a common vision for cities to achieve national objectives for healthier, more sustainable, equitable and efficient cities of tomorrow.

Thank You to Our Funders and Sponsors

NACTO extends its deep appreciation to the following institutions for their generous support of *Designing Cities: Leading the Way to World Class Streets*.



WELCOME

Phoenix is a growing city. As we look towards our future, the focus needs to be on creating transportation options that accommodate that growth, while improving our quality of life.

Wylie Bearup

DIRECTOR, PHOENIX STREET TRANSPORTATION DEPARTMENT



Photo: Parklet, San Francisco

LUSTRE LOUNGE AND DECK

BREAKFAST / 8:00AM - 8:45AM

DREAMCATCHER BALLROOM

OPENING SESSION / 9:00 AM - 11:45 AM

9:00 AM - 9:45 AM

Opening Plenary

Janette Sadik-Khan

Commissioner, New York City Department of Transportation

NACTO President

Wylie Bearup

Director, Phoenix Street Transportation Department

NACTO Secretary

Greg Stanton

Mayor, City of Phoenix

9:45 AM - 10:30 AM

Keynote Panel

Regional Transportation Challenges

How growing cities are adapting sustainable transportation best practices to meet their regions' needs

With a population of nearly 1.5 million people spread over 520 square miles, Phoenix, like many cities that boomed in the postwar era, must supply transportation services to residents across an area that is both expansive and diffuse. Hear from transportation directors in four growing cities to understand how each is tackling transportation in this context, the challenges they face, and the way they manage and design streets through vastly different contexts.

Moderator: Linda Samuels

Project Director, Sustainable City Project, University of Arizona

Robin Hutcheson

Salt Lake City Transportation Director

Danny Pleasant

Transportation Director, City of Charlotte

Doug Wiersig

Transportation Director, City of Fort Worth

MONDAY 10/28/13

Safety is essential to increasing the number of people walking, shopping and doing business in any city. When people can cross your streets safely and can access transit without putting themselves in harm's way, your city will more likely thrive as a center for business, commerce, and culture.

Edward Reiskin

DIRECTOR OF TRANSPORTATION,
SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY



Photo: Seattle DOT

DREAMCATCHER BALLROOM

OPENING SESSION / 9:00 AM - 11:45 AM

10:45 AM - 11:45 AM

Commissioners' Panel

The Urban Street Design Guide: Changing the DNA of City Streets

Building on the 2012 Commissioners' Panel in New York City, NACTO will again convene its top leaders to discuss the most noteworthy transportation trends of 2013. The panel will touch upon recent progress at NACTO and in cities around the US, including the Urban Street Design Guide, bike sharing, and the outlook for the next federal transportation reauthorization.

Moderator: [Mary Peters](#)

Former United States Secretary of Transportation

[Janette Sadik-Khan](#)

Commissioner, New York City Department of Transportation

[Edward Reiskin](#)

Director of Transportation, San Francisco Municipal Transportation Agency

[Steve Novick](#)

Transportation Commissioner, City of Portland

[Wylie Bearup](#)

Director, Phoenix Street Transportation Department

LUSTRE LOUNGE AND DECK

LUNCH / 12:00 PM - 1:00 PM

MONDAY 10/28/13

PANELS / 1:00 PM - 2:45 PM

Shared Mobility Systems

Bikesharing, carsharing and the future of mobility

Shared mobility systems such as car2go and CitiBike offer convenient new transportation options for city-dwellers while challenging the conventional transportation paradigm in our cities. How are these systems already altering how people move around their cities and how will they transform individual transportation choices over the next decade? What financial, physical, political, or regulatory hurdles prevent them from attaining their full scale and full potential, and how are cities and their partners striving to overcome these?

Transforming Streets through Transit

Light rail, streetcar, and rapid bus success stories

Large cities across the country have transformed major urban streets through the addition of light rail, streetcar, and rapid bus. These projects thrive as a result of coordinated, interagency efforts to integrate transit with ambitious land use and redevelopment initiatives, as well as upgrades to the existing streetscape and urban fabric. Learn from implementers who have spearheaded game-changing local transit initiatives and hear how high quality transit-oriented development can come to fruition.

MURAL I

Moderator: Timothy Papandreou
Deputy Director, Sustainable Streets-
Strategic Policy & Planning, SFMTA

Mike Mikos
Director of Strategic Development,
car2go

Scott Kubly
Managing Deputy Commissioner,
Chicago Department of Transportation

Ryan Rzepecki
Social Bicycles, on behalf of Phoenix
Bike Share

MURAL II

Moderator: Rich Weaver
Director of Planning, Policy &
Sustainability, APTA

Danny Pleasant
Transportation Director, City of
Charlotte

Mike Barton
Vice President, Tuscon Managing
Principal at HDR

Curt Upton
Planner, Reinvent Phoenix

PANELS / 1:00 PM - 2:45 PM

Integrating Space and Time

How signal timing adjustments contribute to safe, multi-modal streets

Prevailing notions of complete streets tend to privilege spatial changes to the layout of a street over the allotment of time at a given intersection, along a corridor, or throughout a street network. As cities redesign their streets, they have increasingly found corridor-based signal timing schemes that create frustrating delays and undermine the balance sought in a multimodal street network. Learn from leading practitioners about the trade-offs to be considered between space and time, as well as other signalization strategies that can make cities function better in time, as well as space.

Economic Benefits of Multi-Modal Transportation and Mixed-Use Development

Selling more walkable, mixed-use communities on their "livability" is not always enough. Understanding the economic impacts of infrastructure investments is critical not only to gain support for projects from businesses but also to justify such projects when budgets are tight. Measuring economic benefits can also present an opportunity for new funding streams by capturing some of the private value created by those public improvements. Cities will present on-the-ground examples of how they measured the benefits of their projects for surrounding businesses or the larger economy. In particular, presenters will demonstrate how they utilized this data to build project support among the business community and other stakeholders, and how they have leveraged public investments to spur private development and vice versa.

ZIA II

Moderator: Shane Silsby
Deputy Street Transportation Director,
City of Phoenix Street Transportation
Department

Ryan Russo
Assistant Commissioner, NYC DOT

Ricardo Olea
City Traffic Engineer, SFMTA

ZIA I

Moderator: Paul Crabtree
President, Crabtree Group

Tom Maguire
Assistant Commissioner, NYC DOT

Janet Attarian
Complete Streets Program Director,
Chicago DOT

Teri Killgore
Downtown Redevelopment Manager,
City of Chandler

PANELS / 3:15 PM - 5:00 PM

Quick Change Design Strategies

Repurposing roadways and curbsides as public space

Conventional project development and construction timelines make it difficult for cities to realize transformational projects quickly. A growing number of cities is experimenting with an “interim” project delivery method that uses low-cost, flexible materials to realize the benefits of a project or public space in the near term, while funding for the full scale implementation accumulates. How can these interim design strategies, from parklets to public plazas to temporary sidewalk widenings, be used in the life of a capital project or as part of a citywide open space initiative? When are these strategies effective and how can they be used to enhance public space more quickly?

Data Collection for Safe, Livable Streets

From safety statistics to business revenues and mode counts, data collection is a crucial yet underappreciated aspect of transformative street design. Data collection strategies should begin with a project’s conception and be tracked after implementation to demonstrate how a project has succeeded or which aspects need to improve going forward. Learn from researchers and project managers about how to better understand safety, performance, and livability through data, and which strategies can help cities obtain better research for major projects and initiatives.

ZIA I

Moderator: Christine Fanchi
City of Phoenix Street Transportation
Department/Dibble Engineering

Margaret Newman
Chief of Staff, NYC DOT

Andrew Howard
Co-Founder, Team Better Block

Zaki Mustafa
Transportation Engineer, LA DOT

Darin Gatti
Chief Engineer and Surveyor,
Philadelphia Mayor’s Office of
Transportation & Utilities

MURAL II

Moderator: Linda Bailey
Acting Executive Director, NACTO

Eric Dumbaugh
Associate Professor and Director of the
School of Urban & Regional Planning,
Florida Atlantic University

Luann Hamilton
Deputy Commissioner, Chicago DOT

Jeffrey Tumlin
Principal, Nelson\Nygaard Associates

PANELS / 3:15 PM - 5:00 PM

Participatory Planning Applications and New Technologies

Mobile applications and new technologies are making it easier for citizens to directly participate in the planning process. People can alert their city to potholes, help plan a city’s bike network, and even make suggestions on a roadway’s redesign through new, easy-to-use online platforms. Do these new citizen participation platforms make the planning process more democratic and representative? What are their strengths, pitfalls, and unintended consequences? How are cities incorporating these new voices into their existing processes?

Downtown Phoenix World-class Streets Workshop

As part of a comprehensive study of its downtown public space and transportation networks, the city of Phoenix is investigating potential near-term strategies to better move people, build more livable streets, and enhance economic opportunities in the city’s core. Using the Central Phoenix Transportation Framework Study sponsored by the Maricopa Association of Governments, this workshop and study will look into possible lane or street closures, changes in directional traffic flow, new high capacity transit corridors, re-striping lanes to better accommodate pedestrian and bicycle traffic, and the infusion of the world-class complete streets principles into downtown street network.

MURAL I

Moderator: Alex Tran
Fellowship Program Manager, Code for
America

Frank Hebbert
Director of Civic Works, OpenPlans

Elizabeth Sall
Deputy Director, San Francisco County
Transportation Authority

Lou Huang
Creator, StreetMix

ZIA II

Mark Melnychenko
Special Projects Administrator in the
City of Phoenix Street Transportation
Department

Dan Marum
Arizona Transportation Planning
Manager for Wilson and Company, Inc.

Amy Moran
Senior Project Manager from Wilson
and Company, Inc.

The *Urban Street Design Guide* crystallizes a new approach to street design that meets the demands of today and the challenges of tomorrow.



Photo: Phoenix

MORNING SESSION / 8:00 AM - 11:00 AM

LUSTRE LOUNGE AND DECK

8:00 AM - 9:00 AM

Keynote Address/Breakfast

Janette Sadik-Khan

Commissioner, New York City Department of Transportation, NACTO President

Victor Mendez

Administrator, Federal Highway Administration

DREAMCATCHER BALLROOM

9:15 AM - 11:00 AM

Meet the Cities

Designing the World-Class Street

Speed dating the Urban Street Design Guide

Led by the creators and implementers of the *Urban Street Design Guide*, this “speed dating” activity will give conference attendees an opportunity to learn directly from the experts who helped to craft the *Urban Street Design Guide*. City staff with varied expertise will be on hand to present on the key principles of different chapters of the guide, including interim design strategies, stormwater management, complex intersection design, design speed and other key topics.

Meet the Cities Featuring:

Janet Attarian

Complete Streets and Shared Streets in Chicago

Becka Roof

Urban Arterials and Transit Corridors in Salt Lake City

Leah Treat

Context Sensitive Streets in Portland

Susan McLaughlin

Sustainable Stormwater Management in Seattle

Cristina Olea

Transit-Friendly Streetscape Improvements in San Francisco

Luann Hamilton

Pedestrian Improvements near Transit Hubs in Chicago

Darin Gatti

Parklets in Philadelphia

Margaret Newman

New York City's Public Plaza Program and Interim Design Strategies

Shane Silsby and Christine Fanchi

Interim Design Strategies in Phoenix

Seleta Reynolds

Pedestrian Improvements at Major Downtown Intersections in San Francisco

Tom Maguire

New York City Sustainable Streets Index

Ryan Russo

Grand Army Plaza Intersection Design in New York City

Mike Sallaberry

Bicycle Safety at intersections in San Francisco

Jamie Parks

Signal timing in Oakland

Michael King

Complex Intersection Design

TUESDAY 10/29/13

PANELS / 11:15 AM - 1:00 PM

Level of Service

Measuring performance for everyone using the street

Cities use development review policy to ensure that new development contributes positively to the urban landscape and surrounding communities. However, the traditional use of auto Level of Service (LOS) grades to assess project impacts encourages auto-oriented streets and inhibits in-fill development. Hear from cities about how they use LOS in their development review process, how other performance metrics can supersede or supplement it, and how emerging tools and policies can promote urban development and multi-modal transportation systems simultaneously.

Getting Across the Divide

Crosswalk policies and designs that create safe and walkable neighborhoods

Giving people safe and convenient crossings is a precursor to walkability. Existing standards and practices often make it difficult for cities to justify adding stop or signal control for fully protected crossings, while high-quality midblock or minor street crossings can be expensive to implement with medians and raised treatments. How are cities addressing pedestrian crossings at midblock locations and minor street crossings? Are citywide policies informing these decisions or are they based solely on context? How does satisfaction of specific warrants mesh with desired or projected pedestrian life in a particular area?

MURAL I

Moderator: Jamie Parks
Complete Streets Program Manager,
City of Oakland Public Works
Department

Viktoriya Wise
San Francisco County Planning
Department

Jamie Henson
Transportation Planner, District DOT

Marc Butorac
Senior Principal Engineer, Kittelson &
Associates

ZIA II

Moderator: Kerry Wilcoxon
Traffic Engineer, City of Phoenix

Richard Nassi
Transportation Administrator, City of
Tucson

Michael King
Principal, Nelson\Nygaard Associates

Susan McLaughlin
Urban Design Lead, Seattle Department
of Transportation

PANELS / 11:15 AM - 1:00 PM

Next Generation Bikeways

Urban Bikeway Design Guide Training

Protected bike lanes, also known as cycle tracks, have emerged as a crucial tool for every city that is working to make bicycling an appealing, safe option. Yet implementing protected lanes can pose significant challenges, from separate signal phases to conflicts with transit and parking removal. How have cities around the country successfully designed innovative bicycle infrastructure and what are some of the key lessons learned from their first projects in the ground?

Financing City Transportation Infrastructure

Historically, the federal government has provided the majority of funding for transportation projects using revenues raised by levying a tax on gasoline. While current gas taxes cover 53% of transportation needs each year, by 2035, gas taxes will cover just 33% of these needs. At a time when cities are aggressively building transportation infrastructure to compete globally, where does that leave mayors and transportation officials seeking resources for transportation investments? This panel will explore value capture and innovative financing structures that cities are increasingly using for transportation infrastructure investments.

DREAMCATCHER I

Moderator: Kit Keller
Executive Director, Association of
Pedestrian and Bicycle Professionals

David Vega-Barachowitz
Director, Designing Cities initiative,
NACTO

Becka Roof
Bicycle/Pedestrian Coordinator,
Transportation Division, Community &
Economic Development, Salt Lake City

Mike Sallaberry
Senior Engineer, Livable Streets
Subdivision, SFMTA

MURAL II

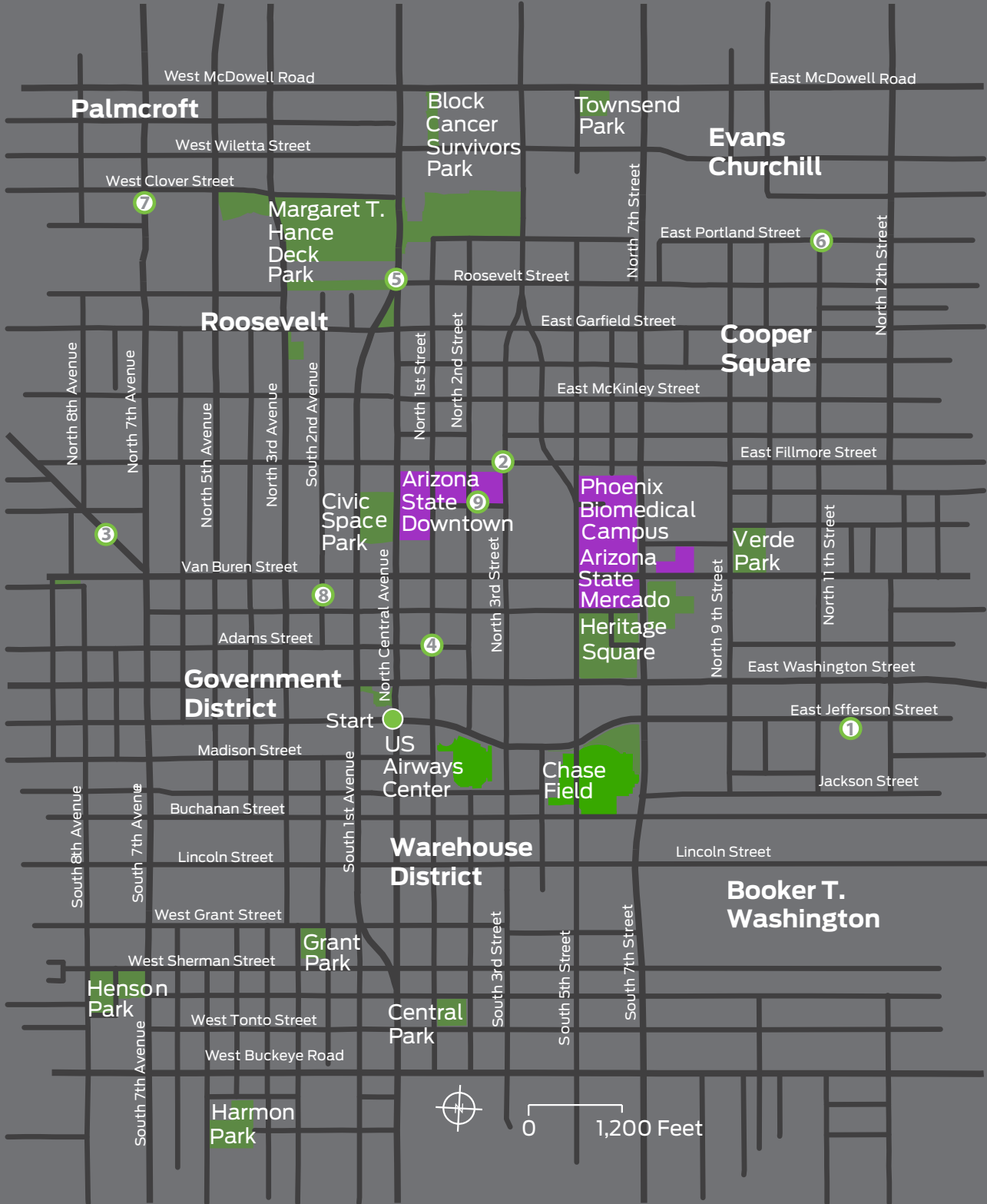
Moderator: Eric Anderson
Transportation Director, Maricopa
Association of Governments

Scott Kubly
Managing Deputy Commissioner,
Chicago Department of Transportation

Rafael Aldrete
Center Director, Senior Research
Scientist, Texas Transportation Institute

THIRD FLOOR FOYER

LUNCH BOX TO-GO / 1:00 PM



WALKSHOPS / 1:30 PM - 4:00 PM

Urban Bike Tour

With sunshine 360 days a year, Phoenix is a bicyclist's paradise. The City of Phoenix has more than 600 miles of dedicated on and off-street bike lanes, routes and paths. In addition to on-street bike lanes, Phoenix offers bicycling routes along canals and mountain bike trails within local mountain preserves to give more opportunity for residents to stay active. This urban route will showcase a number of modern bicycle facilities in Phoenix to include:

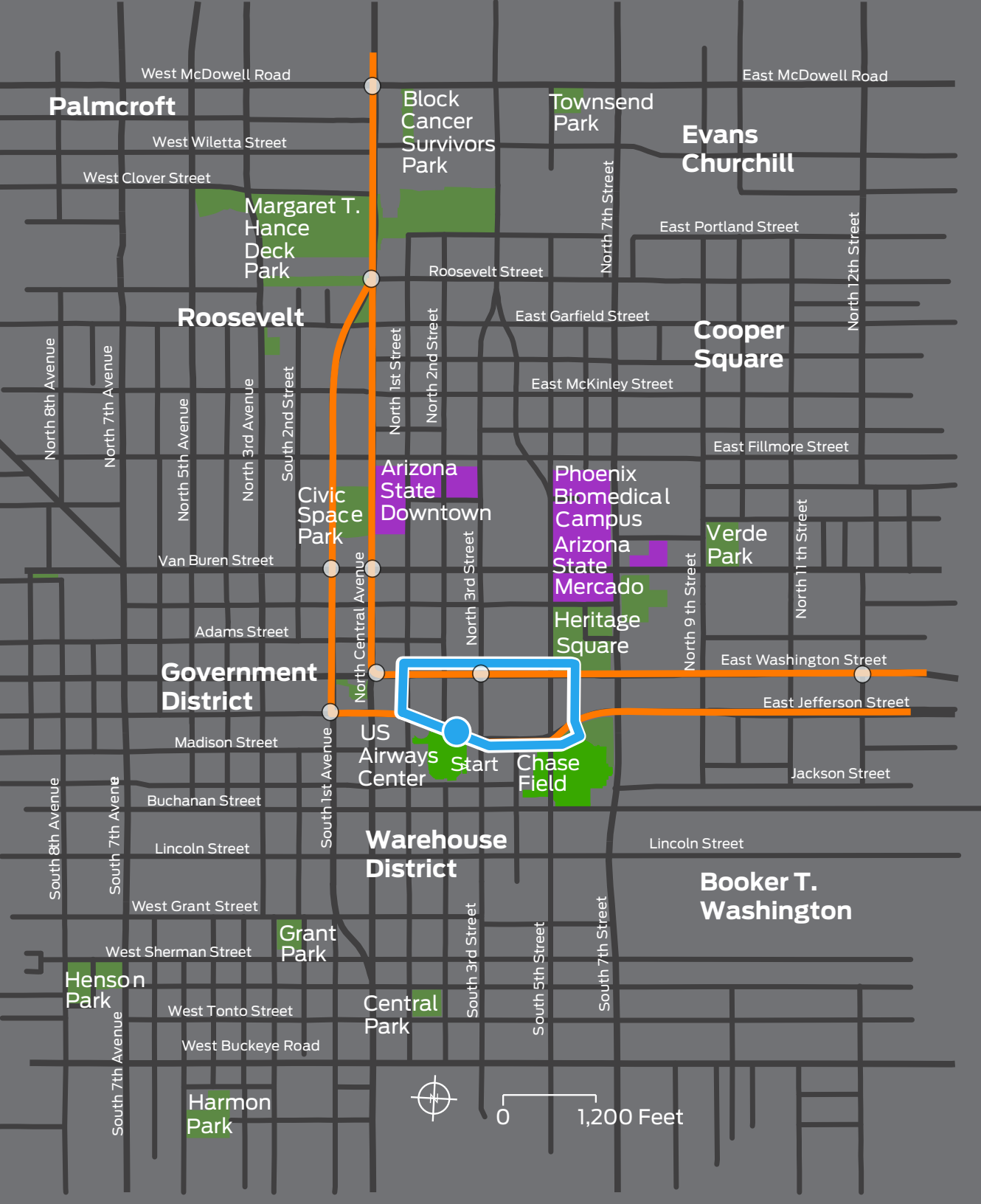
1. Bike Box for bike lane shift from south side of street to north side of street
2. Green Paint and Shared Lane Marking combination for corridor use
3. First Green Bike lane in Maricopa County and City of Phoenix
4. Pedestrian oriented demonstration projects (1st Street), (Adams Street)
5. Grade Separated paths (Margaret T. Hence Park underpass of METRO Light Rail, Central, 3rd, & 5th Avenues)
6. Pedestrian freeway crossing @ 11th Avenue
7. Pedestrian Arterial crossing @ 7th Avenue
8. 2nd Avenue Pedestrian project
9. ASU Downtown Campus and private commercial developments

FIRST FLOOR LOBBY

Participants shall meet outside the 1st Floor lobby at 1:30 p.m. Tour will take approximately 2.5 hours.

Joseph Perez
Bicycle Coordinator, City of Phoenix

TUESDAY 10/29/13



WALKSHOPS / 1:30 PM - 3:00 PM

● Sports District off Jefferson Street

The Legends Entertainment District was opened in 2011 to engage sports fans and downtown Phoenix visitors and to complement the newly constructed Light Rail. Highlights of the tour include:

1. US Airways Center (Home of the Phoenix Suns, Phoenix Mercury, Arizona Rattlers, and Phoenix Roadrunners) : Urban Plaza & Legends Signage
2. METRO Light Rail Station- 3rd Street and Jefferson Street hosts a "ticker tape" board to provide the latest sports, weather, and news information in a rolling format
3. Chase Field -Home of the Arizona Diamondbacks includes an Urban Plaza and Legends Signage
4. METRO Light Rail station- Washington Street and 3rd Street hosts a outdoor cooling system for light rail built by NRG Thermal LLS

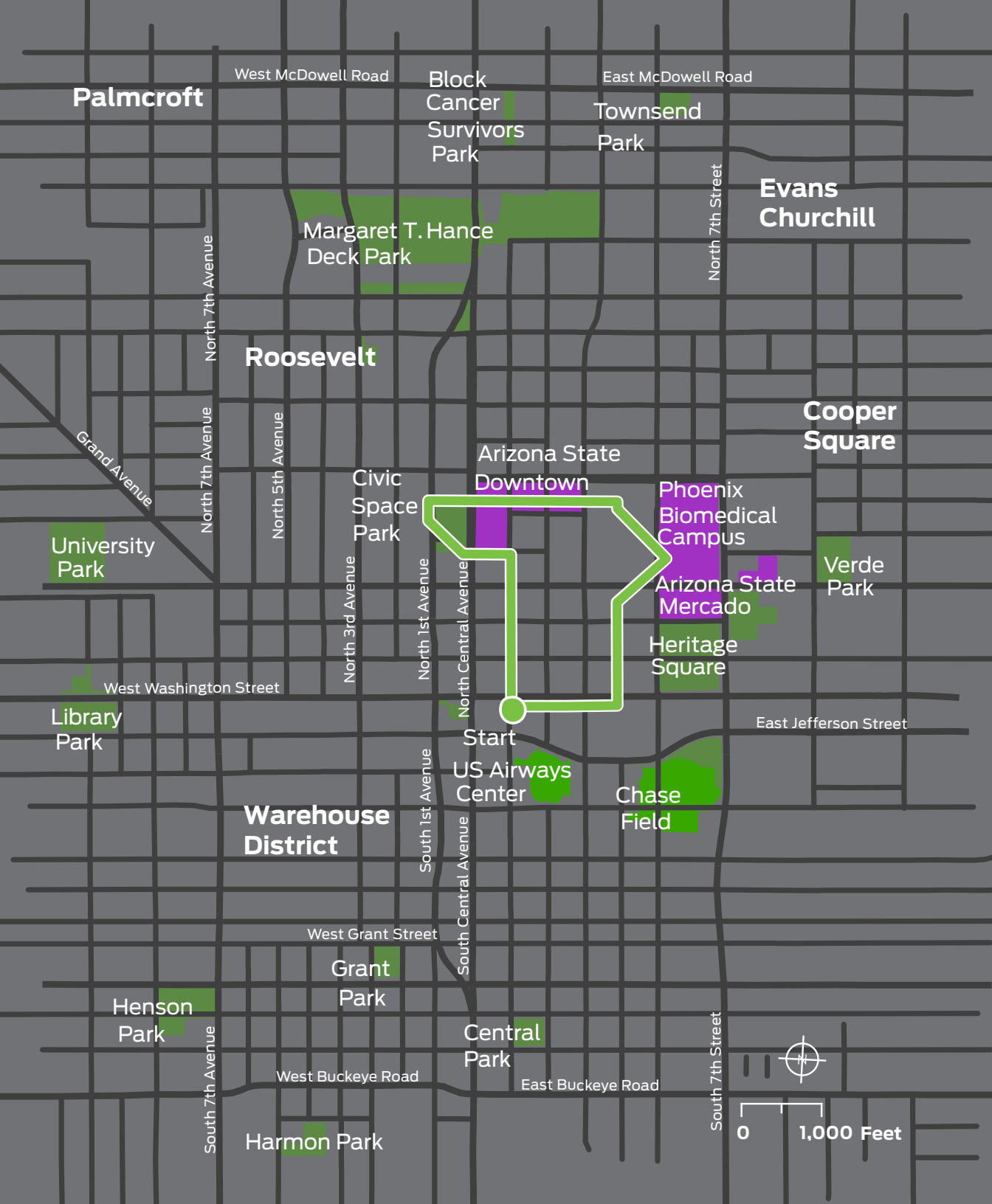
SECOND FLOOR LOBBY

Participants shall meet in 2nd Floor Lobby of Hotel Palomar at 1:30 p.m. This walking tour will take approximately 1.5 hours.

Shane Silsby
Deputy Street Transportation Director,
City of Phoenix

Eric Johnson
City of Phoenix Economic Development
Manager

TUESDAY 10/29/13



WALKSHOPS / 1:30 PM - 4:00 PM

● Pedestrian Areas in the Sonoran Desert

Phoenix is the sixth most populous city in the nation and home to 1.5 million people. With very warm temperatures for 5 months during the summer, Phoenix must make special considerations for pedestrians in the Sonoran Desert. Highlights of this tour include:

1. Cityscape: Urban park/plaza/pedestrian mall
2. METRO Light Rail Station: Central Avenue & Adams Street
3. Phoenix Convention Center: Indoor Pedestrian Mall
4. St. Mary's Basilica Urban Park at Monroe Street & 3rd Street
5. Arizona Center Mixed Use Development with Urban Park: Van Buren Street & 3rd Street
6. High Visibility Pedestrian Crossing at Arizona Center: 3rd Street at Taylor Street
7. Taylor Street: Stormwater Management/Complete Street Example: 3rd Street to 1st Street
8. 1st Parklet in Phoenix: 1st Street and Garfield Street at Matt's Big Breakfast
9. Taylor Street Pedestrian Mall: Shared Street Example: 1st Street to Central
10. Civic Space Park: Urban Plaza, HAWK crossing for ASU
11. METRO Bus Transit Facility and METRO Light Rail: Central Avenue and Van Buren Street
12. NACTO inspired Interim Design along 1st Street: Van Buren Street to Washington Street

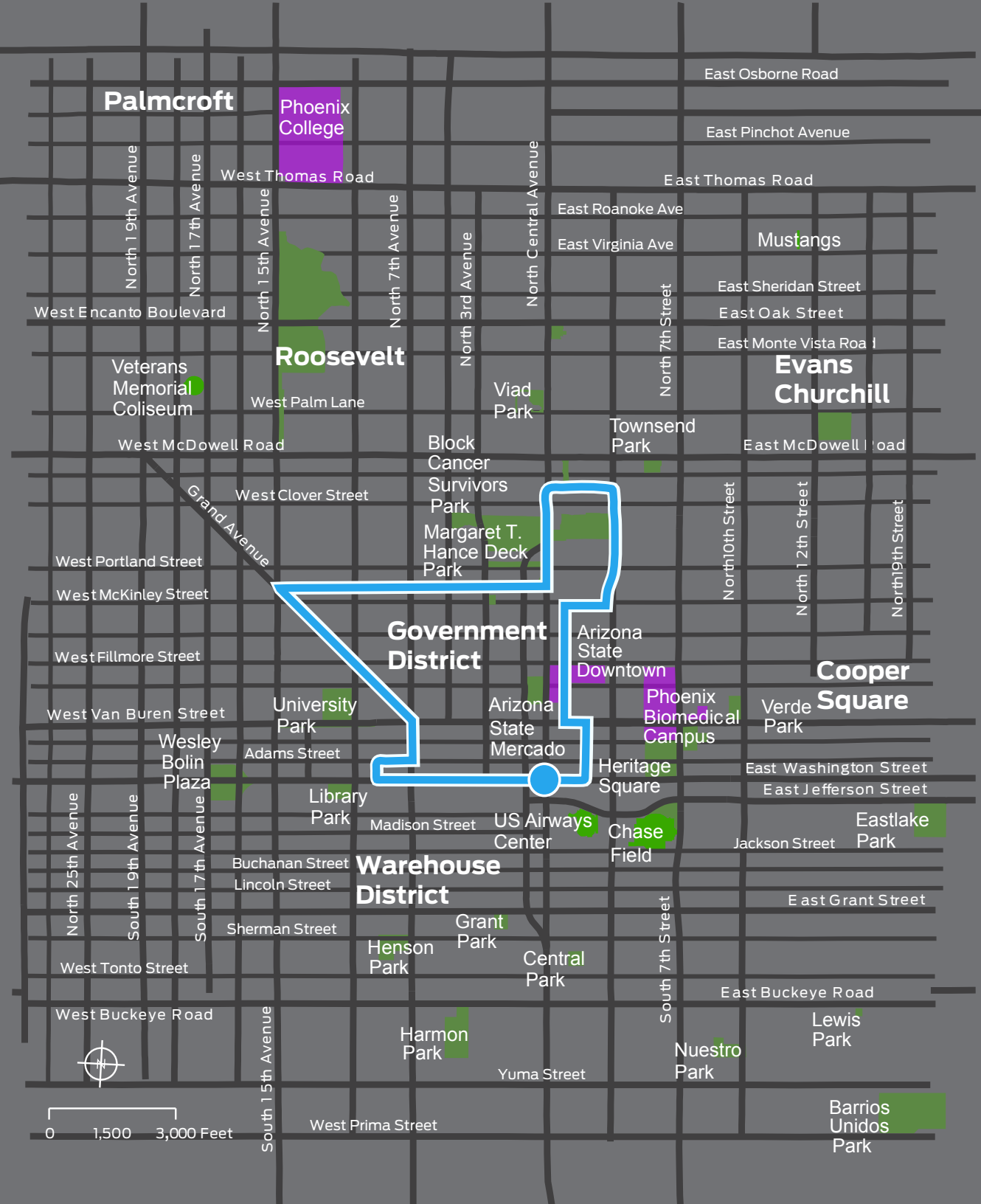
SECOND FLOOR LOBBY

Participants shall meet on the 2nd Floor Plaza of the Hotel Palomar at 1:30 p.m. for departure. This walking tour will take approximately 2.5 hours.

Wylie Bearup
Street Transportation Director,
City of Phoenix

Beth Harmon-Vaughan
Gensler Managing Director

TUESDAY 10/29/13



WALKSHOPS / 1:30 PM - 2:30 PM 2:45 PM - 3:45 PM

● Trolley Tour of Downtown Phoenix

Ollie the Trolley will take participants on a tour of downtown Phoenix to explore both new and historic places within this central business district of Arizona. Highlights of this tour include:

1. Centennial Way, which opened along Washington Street between Phoenix City Hall and the State Capital Building as part of Arizona's centennial celebration on February 14, 2012. This project features Rapid Bus and Copper Square Dash transit shelters, bike lanes on the left side of right turn only/bus lanes, and pedestrian improvements to showcase Arizona's 15 counties, 22 Indian tribes, and rich history.
2. The "Greening of Grand Avenue" incorporated NACTO design strategies to remove 2 vehicular lanes from a 5 lane section and provide dedicated bike lanes and parallel parking along this historic route.
3. Roosevelt Row has reinvented itself to become the epicenter of the Central Phoenix art scene. It is now home to artist live/work spaces, art galleries, studios, and the monthly First Fridays Artwalk.
4. Phoenix Metro Light Rail opened its first segment of 20 miles in 2008 and is the 12th busiest light rail system in the country, with an estimated daily ridership of over 43,000 people.
5. Margaret T. Hance Park was created over the Papago Freeway Tunnel (I-10) in 1990. This park is home to the Japanese Friendship Garden, Irish Cultural Center, and newly constructed dog park.
6. Phoenix Burton Barr Central Library, a LEED silver certified building, opened in 1995.
7. Interim design improvements on 1st Street create a more pedestrian-friendly corridor, with connections from Margaret T. Hance Park to ASU Downtown, local eateries, hotels, METRO Light Rail, and downtown sports venues.
8. Phoenix Convention Center completed a multi-phased \$600 million expansion in 2008, which tripled its size to over 900,000 square feet. It is one of the top 20 convention venues in North America, hosting events such as Ultimate Women's Expo, Phoenix COMICON, Arizona Boat Show, and The Great Bridal Expo.
9. The CityScape development, which includes residential, retail, office, and hotel components, re-vitalized downtown Phoenix.

SECOND FLOOR LOBBY

Participants shall meet in the 2nd Floor Plaza of the Hotel Palomar at 1:30 p.m. This tour will take approximately 1 hour. A secondary tour will be available at 2:45 p.m.

Ray Dovalina
Assistant Director, Street Transportation Department, City of Phoenix

TUESDAY 10/29/13

WALKSHOPS / 1:30 PM - 3:30 PM

PHX Sky Train via Phoenix METRO Light Rail

The PHX Sky Train is an electric powered people mover which opened on April 2013 at Sky Harbor International Airport. Sky Train features a 100-foot tall bridge over Taxiway R, which is the first location in the world where a train passes over an airplane on an active taxiway. The bridge is tall enough to accommodate a Boeing 747. Three months after opening, the train is carrying about 70,000 people per week, which is 40% higher than estimated. The system is designed to carry 3,300 passengers per hour per direction. It operates 24-hours a day and averages a speed of 23 mph. The completed Phase I connects Metro Light Rail at 44th Street and Washington Street with Terminal 4 and the East Economy Parking Lot. The next phase, currently under construction, includes a connection to Terminals 3 and 2. A planned future phase will connect to the Airport's Rental Car Center. To reduce curbside congestion, baggage check-in and boarding pass printing is available at the Sky Train Stations at 44th Street/Washington Street and East Economy Parking Lot. A pet area for traveling animals was also built at each of these stations. The Sky Train 44th Street Station also features 8 bicycle lockers and 16 bike racks.

FIRST FLOOR LOBBY

Meet inside the 1st Floor lobby of Hotel Palomar at 1:30 p.m. Tour will take approximately 2 hours.

[Kyle Kotchou](#)
City of Phoenix

[Mark Pilwallis](#)
Gannet Fleming

PANEL / 1:30 PM - 3:30 PM

Training the Trainer

Teaching the Urban Street Design Guide

NACTO's Urban Street Design Guide Steering Committee will assemble for a lunch meeting on presenting and training on the Urban Street Design Guide. All steering committee members and key guide contributors should plan to attend.

ZIA II

[NACTO Urban Street Design Guide Steering Committee](#)

SPEAKER INDEX

A

Rafael Aldrete 19
Eric Anderson 19
Janet Attarian 13, 17

B

Linda Bailey 14
Mike Barton 12
Wylie Bearup 11, 25
Marc Butorac 18

C

Paul Crabtree 13

D

Ray Dovalina 27
Eric Dumbaugh 14

F

Christine Fanchi 14, 17

G

Darin Gatti 14, 17

H

Luann Hamilton 14, 17
Beth Harmon-Vaughan 25
Frank Hebbert 15
Jamie Henson 18
Andrew Howard 14
Lou Huang 15
Robin Hutcheson 9

J

Eric Johnson 23

K

Kit Keller 19
Teri Killgore 13
Michael King 17, 18
Kyle Kotchou 28
Scott Kubly 12, 19

M

Tom Maguire 13, 17
Dan Marum 15
Susan McLaughlin 17, 18
Mark Melnychenko 15
Victor Mendez 17
Mike Mikos 12
Amy Moran 15
Zaki Mustafa 14

N

Richard Nassi 18
Margaret Newman 14, 17
Steve Novick 11

O

Cristina Olea 17
Ricardo Olea 13

P

Timothy Papandreou 12
Jamie Parks 17, 18
Joseph Perez 21
Mary Peters 11
Mark Pilwallis 21
Danny Pleasant 9, 12

R

Edward Reiskin 11
Seleta Reynolds 17
Becka Roof 17, 19
Ryan Russo 13, 17
Ryan Rzepecki 12

S

Janette Sadik-Khan 9, 11, 17
Elizabeth Sall 15
Mike Sallaberry 17, 19
Linda Samuels 9
Shane Silsby 13, 17, 23
Greg Stanton 9

T

Alex Tran 15
Leah Treat 17
Jeffrey Tumlin 14

U

Curt Upton 12

V

David Vega-Barachowitz 19

W

Rich Weaver 12
Doug Wiersig 9
Kerry Wilcoxon 18
Viktoriya Wise 18

DESIGNING CITIES

October 27-29, 2013
Phoenix, Arizona

PROFESSIONAL DEVELOPMENT

AWARDED TO

- 6 HOURS Urban Street Design Guide Applied
- 3 HOURS Opening Plenary
- 2 HOURS Shared Mobility Systems
- 2 HOURS Transforming Streets through Transit
- 2 HOURS Integrating Space and Time
- 2 HOURS Economic Benefits of Multi-Modal Transportation and Mixed-Use Development
- 2 HOURS Quick Change Design Strategies
- 2 HOURS Data Collection for Safe, Livable Streets
- 2 HOURS Participatory Planning Applications and New Technologies
- 2 HOURS Downtown Phoenix World-class Streets Workshop
- 1 HOUR Keynote: Victor Mendez
- 2 HOURS Level of Service
- 2 HOURS Getting Across the Divide
- 2 HOURS Next Generation Bikeways
- 2 HOURS Financing City Transportation Infrastructure
- 3 HOURS PHX Sky Train via Phoenix METRO Rail
- 3 HOURS Urban Bike Tour
- 3 HOURS Pedestrian Areas in the Sonoran Desert
- 3 HOURS Trolley Tour of Downtown Phoenix
- 3 HOURS Sports District off Jefferson Street



TOTAL HOURS



National
Association
of City
Transportation
Officials

ACKNOWLEDGEMENTS

NACTO would like to express its appreciation to its member cities for their incredible contribution to the *Designing Cities Phoenix* conference:

NACTO

- President**
Janette Sadik-Khan, Commissioner,
New York City Department of Transportation
- Acting Executive Director**
Linda Bailey
- Director, Designing Cities Initiative**
David Vega-Barachowitz
- Designing Cities Fellow**
Corinne Kisner

NACTO BOARD

- Richard Mendoza, Atlanta Public Works
- William Johnson, Baltimore DOT
- Thomas Tinlin, Boston Transportation Department
- Gabe Klein, Chicago DOT
- Jeffrey Weatherford, City of Houston
- Jaime de la Vega, Los Angeles DOT
- Jon Wertjes, Minneapolis Public Works
- Janette Sadik-Khan, New York City DOT
- Rina Cutler, City of Philadelphia Mayor's Office of Transportation and Utilities
- Wylie Bearup, Phoenix Street Transportation Department
- Steve Novick, City of Portland
- Edward D. Reiskin, San Francisco MTA
- Peter Hahn, Seattle DOT
- Terry Bellamy, District DOT
- Danny Pleasant, Charlotte DOT
- Linda Marabian, City of San Diego Transportation & Storm Water Department

SPECIAL THANKS

City of Phoenix Street Transportation Department as host city for the *Designing Cities Conference*.

Christine Fanchi, Shane Silsby, Ray Dovalina, and Charlene Reynolds of the City of Phoenix; Carly Clark, Karin Sommer and Erica DeCrescenzo of NYC DOT; Sam Zimbabwe of DDOT

NACTO's Designing Cities initiative is sponsored by the Rockefeller Foundation and the Summit Charitable Foundation. Thank you to Darryl Young of the Summit Foundation and Michael Myers of the Rockefeller Foundation for their ongoing support and guidance.



NACTO would also like to thank all of those who contributed to the NACTO Urban Street Design Guide, including the member steering committee, Nelson\Nygaard Associates, Pure + Applied, and our publisher Island Press.

Program Design by Carly Clark
Map Design by Erica DeCrescenzo and Andy Watanabe



Leading the Way to World Class Streets

Program sponsored by:



National Association of
City Transportation Officials

55 Water Street, 9th Floor
New York, NY 10041
(212) 839-6421
www.nacto.org