

# MARKETSTREET PROTUPING - FESTIVAL -

The Market Street Prototyping
Festival is using community-led
design to make Market Street
a more vibrant and engaging
destination for the people that live,
work, and play along its path.

2016 FESTIVAL WRAP-UP REPORT



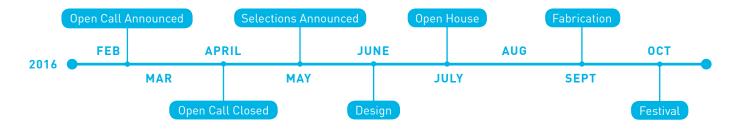
# WHAT IS MSPF?

A 3-day festival by
SF Planning and YBCA
that showcased 35
installations built by
designers, community
groups, and students to
rethink how public space
could look and function.

# IN THIS WRAP-UP

About the Festival	1
Prototype Highlights	4
What Did You Think?	7
Accessibility	
Programming	14
A Global Movement	17
Prototype Evaluation	20
User Interviews	21
In-Depth Evaluation	22
Pedestrian Activity	24
Pedestrian Counts	27
Regional Reach	28
Thank You	30
Photography Credits	31

# **MSPF TIMELINE**





# CONNECT PEOPLE

Create imaginative projects that create a vibrant public space and increase social connections.

# DEMOCRATIC DESIGN

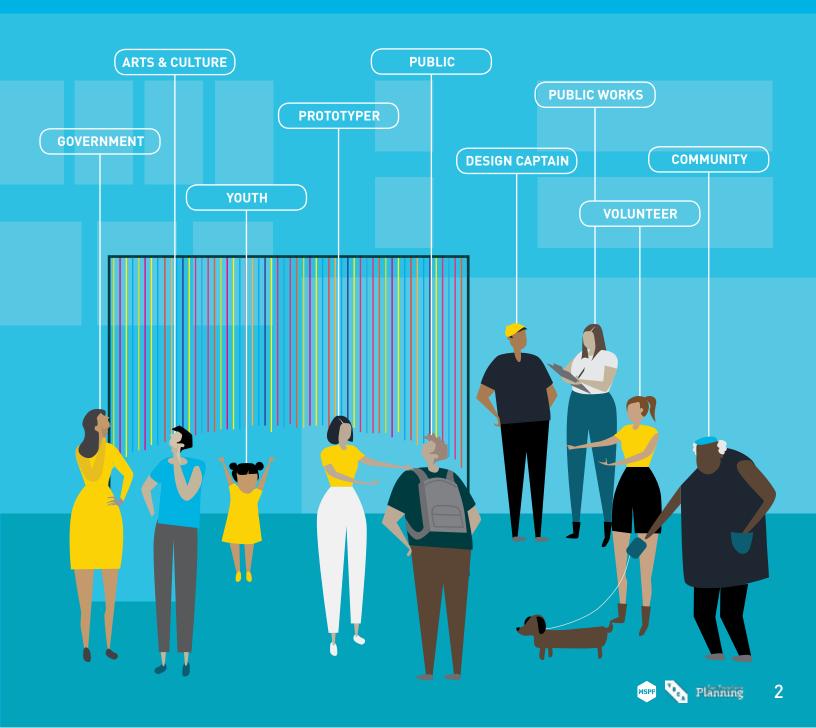
Design by and with the community.

# INSPIRE ACTION

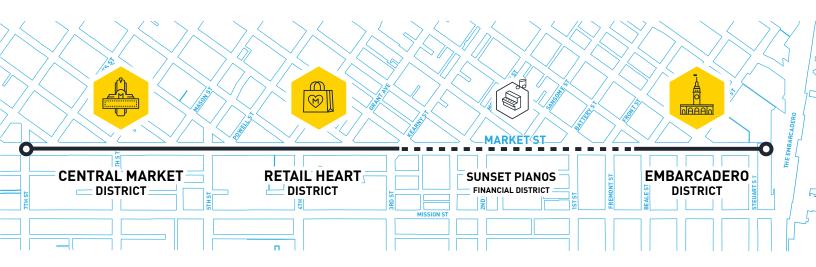
Inspire more decisions to be made in partnership with the public.

# USING COMMUNITY-LED DESIGN TO CONNECT PEOPLE, COMMUNITIES, AND NEIGHBORHOODS.

MSPF is an example of the power of civic collaboration. It is supported by a diverse network of partners and collaborators.



# FESTIVAL AT A GLANCE





130+

PROTOTYPE SUBMISSIONS FROM THE PUBLIC

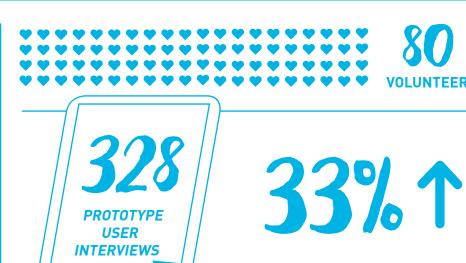
35

**PROTOTYPES** 



**5**,956

VOTES FOR PEOPLE'S CHOICE AWARD



MORE PEDESTRIANS COUNTED
ON MARKET STREET

# - PROTOTYPE -

# Highlights

Prototypes explored new ways for people to discover, gather, play, connect, and educate.



# METRO MOODS ON MARKET

# **PROJECT TEAM**

PAUL JAMTGAARD & JULIA GRINKRUG

Metro Moods on Market is an interactive mood board display that invites people to throw in a ball that represents their mood. It encourages strangers to share a common experience and make human connections.



RENDERING



OPEN HOUSE



FESTIVAL



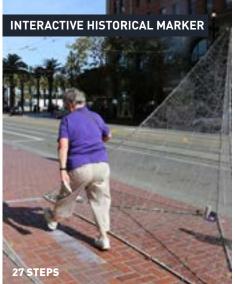
# Interact Differently with Public Space

"The first time I saw it heading to work I immediately smiled and took interest and wanted to walk through it. It sparks playfulness and opportunity to engage."

- Participant at Glimmer See right













# What do you think?

Who was at the Market Street Prototyping Festival and what did they think of it?



















# HOW DO THESE PROTOTYPES MAKE YOU FEEL?

320+ prototype comments over 3 days

# description of the part of the

trickyarchitect

out p connected want idea interesting see walk playing wish walk playing social strange what relaxed playful area strings artistic relaxing have nice sillycolorful inquisitive play configurate comfyrelax engaged awesome really plant piece refreshed tunnel installation presentadventurous place

open shingy rest whimsical observation entire our frustrating mere same initially surrounded way

swallowtails awkward



# **SWALLOWTAIL: COMMUNITY PROTOTYPE**

# **PROJECT TEAM** CENTRAL MARKET THINK TANK & ATELIER CHO THOMPSON

Swallowtail was a multi-functional gathering space for services and performances. This community prototype was designed based on the insights and collective local expertise of the Central Market and Tenderloin community.



THINK TANK MEETING → RENDERING





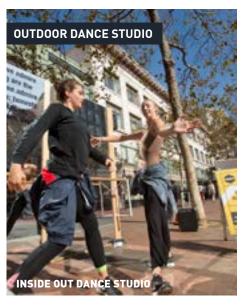
**FESTIVAL** 



# Erase the Boundaries that Divide Vs

"A man who I wouldn't normally cross paths with, living off 6th and Market, came to engage with nature (lacking from his neighborhood) and to talk to others. He spoke about the significance of social interaction and nature in this 'back to basics' mentality that was really meaningful."

- Prototyper of Pop-Up Forest See below













# **ACCESSIBILITY**

Through an iterative process with city agencies and stakeholders, prototypers created prototypes that were aesthetic and usable to the greatest extent possible by everyone, regardless of age, ability, or status in life.

#### **AUGUST 2016**

Prototypers provide Planning a preliminary status update on ADA compliance.

# Challenges •

In some cases, it was difficult for prototypes to meet ADA standards with the given budget and timeline because the standards were originally established for permanent projects.





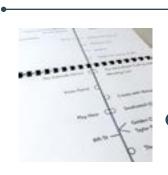
All prototypes at the Festival were ADA compliant.

# **OCTOBER 2016**

ADA inspection during the Festival.

# Tactical Strip Map

MSPF partnered with LightHouse for the Blind and Visually Impaired to produce a tactical strip map book containing a key, map, and text information about the Festival.



#### **MAY 2016**

Prototypers receive ADA standards for Accessible Design at MSPF launch event.

# Initial Designs

Prototypers are encouraged to produce designs that are accessible to all, including children, the elderly, and people with disabilities.



# **SEPTEMBER 2016**

ADA and prototypers work together to make prototypes accessible through a series of reviews and design interations.

#### **New Features**

Designs are refined in many ways, such as placing interactive elements at various heights, ensuring wheelchair accessiblilty, and accomodating for multiple languages.







# ROCK ROCK AROUND THE BLOCK

# **PROJECT TEAM**CINDY JIAN & NANCY SAYAVONG

Rock Rock Around the Block was a reminder for people to relax and get back to a more playful state. As though the sidewalks were the city's playground, strangers and friends met, cooperated, and enjoy a shared recess break.







OPEN HOUSE



FESTIVAL

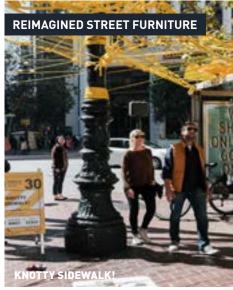


# Find Fun & Whimsical Experiences

- "Had some technical issues, but was a beautiful, creative, and thoughtful installation."
- Participant at Urban Thump See right











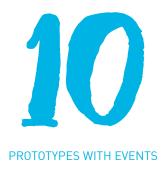


# BRING RESOURCES TO THE STREET

# **CULTURAL PROGRAMMING**

Throughout the duration of the Festival, prototypers served as cultural ambassadors to passersby. They provided services, workshops, and entertainment for the Market Street community. For 3-days, prototypes were home to everything from bike check-ups to printmaking workshops.



















# EXCALIBUR: YOUTH PROTOTYPE

# **PROJECT TEAM**

YOUTH ART EXCHANGE & YBCA

Created by 14 San Francisco students in the Design & Architecture Internship with YBCA and Youth Arts Exchange. Their goal was to "make people feel like they are in the forest, so they will have fun, make people work together, for everyone to meet each other and be friends."







MODEL



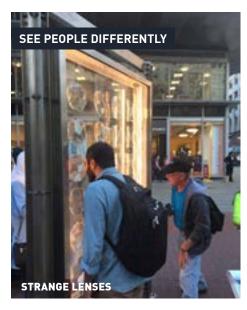
FESTIVAL



# Cross Paths with Someone New

"Strangers open up -- they become completely disarmed and start acting as friends. Seeing people in this way --in a socially interactive art installation -- can create an impact on the way you see and interact with your community."

- Prototyper of Strange Lenses See right













# PART OF A GLOBAL MOVEMENT

In 2015, the Market Street Prototyping Festival inspired and influenced urban prototyping projects across the U.S. and the globe. Our festival is fundamentally changing how cities engage their citizens in urban planning and design.



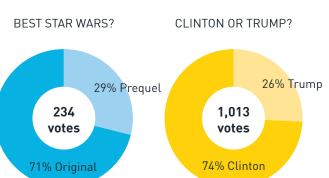


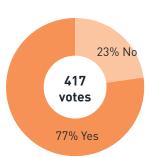
# **VOTE WITH YOUR FEET**

# **PROJECT TEAM**

MICHAEL PHILETUS WELLER, CHENG XU, ZIYUN PENG, CHAOYU YANG

Vote With Your Feet allowed for instant democratic voting. It displayed a series of questions from the public above two doorways. People casted their votes by walking through one of the doorways. Results for each question were viewable on the prototype and online.





**BUILD MORE HOUSING?** 

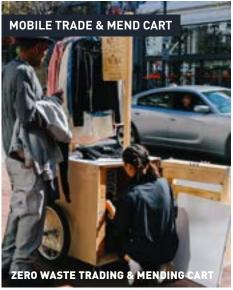
# Learn About Your City

"Sea Level Rise and climate change are the most important conversations we can be having. This installation makes it easy for people to engage and start the conversation about what is at risk or at stake. Kudos!!!!"

- Participant at Sea Level Rise Stories See right













# - FESTIVAL -

# Evaluation

Interviews, activity scans, and pedestrian counts helped to measure the Festival's reach and impact on Market Street.

# USER INTERVIEWS

# Method:

During the festival, we asked 320+ prototype users to rank the prototypes from 1 to 5, strongly disagree to strongly agree, according to 3 critera.

# How to Read:

Larger circles indicate a stronger agreement with the corresponding statement.

- Should stay on Market Street long term.
- Would have appeal over time.
- Made it easier to talk to others you don't know.

Prototypes that required fewer instructions received higher scores for staying power on Market Street.

# **CENTRAL MARKET**



INSIDE OUT DANCE STUDIO



ZERO WASTE TRADING & MENDING CART



SIDEWALK LIBRARY



PRISM PORTAL



CREATE-WITH-NATURE CART



**SWALLOWTAIL** 



**PLAY HEAR** 



POP-UP FOREST







# **RETAIL HEART**







**PLAY STATION** 























# **EMBARCADERO**









**GAMEPOST** 



















ROCK ROCK AROUND THE BLOCK



MAPS OF SAN FRANCISCO

# IN-DEPTH EVALUATION

#### Method:

MSPF invited members of local cultural institutions, public-minded nonprofits, and government agencies to evaluate the prototypes. Prototypes were rated per category, 1 for does not perform at all to 10 for performs very well.\*

#### How to Read:

Larger pies indicate a stronger fulfillment of the corresponding criterion.

# DESIGN & IDEATION

# Does the design promote a provocative yet legible idea?

Prototypes like Excalibur and Rock Rock Around the Block revealed the desire for novel and playful amenities.

# POLICY & SYSTEMS

# Does the prototype connect the public to larger urban strategies or policies?

Pop-up Forest educated the public on the compelling benefits urban tree canopies bring to communities.

#### LONGEVITY

# Could this prototype last on Market Street after further refinement?

Simple concepts such as Gamepost required little maintenance yet invited pedestrians to explore their public realm.

#### EXECUTION

# Was the prototype made with high level of craft?

Pulse succeeded in gracefully reimagining a basic yet contested urban amenity: seating.

# SOCIAL IMPACT

# Does the prototype help create community capacity?

Swallowtail, the brainchild of the Central Market Think Tank offered wayfinding, community services, and diverse programming.

# WELLBEING

# Does the prototype encourage healthy behavior and make people happy?

Prototypes like Livable Body Livable City offered an introspective way to understand your body and experience the city.

# MIXING SPACE

# Does this act as an active/ passive mixer of people and promote social life?

Playful interventions such as Metro Moods on Market and PlayHear enabled passersby to interact and share a common experience on Market Street.

# **CENTRAL MARKET**







INSIDE OUT DANCE STUDIO

ZERO WASTE TRADING & MENDING CART

SIDEWALK LIBRARY







PRISM PORTAL

CREATE-WITH-NATURE CART

SWALLOWTAIL: COMMUNITY PROTOTYPE







PLAY HEAR

POP-UP FOREST

EXCALIBUR: YOUTH PROTOTYPE





BACK TO PAPER

LIVABLE BODY LIVABLE CITY

# **RETAIL HEART CENTRAL MARKET** THE PLAY CHIME **VOTE WITH EMBER** STREETSPEAK.SF **GLIMMER STATION YOUR FEET PEEPSHOW PULSE STRANGE GAMEPOST KNOTTY** 27 STEPS **LENSES** SIDEWALK! **FOLLOW METRO MOODS SONOGROTTO URBAN SEA LEVEL** COMMON **ON MARKET THUMP STORIES GROUND RECLAIM THE EAVESDROP ROCK ROCK AROUND PILLARS OF** MAPS OF SAN **REFLECTION WATER** THE BLOCK **FRANCISCO**



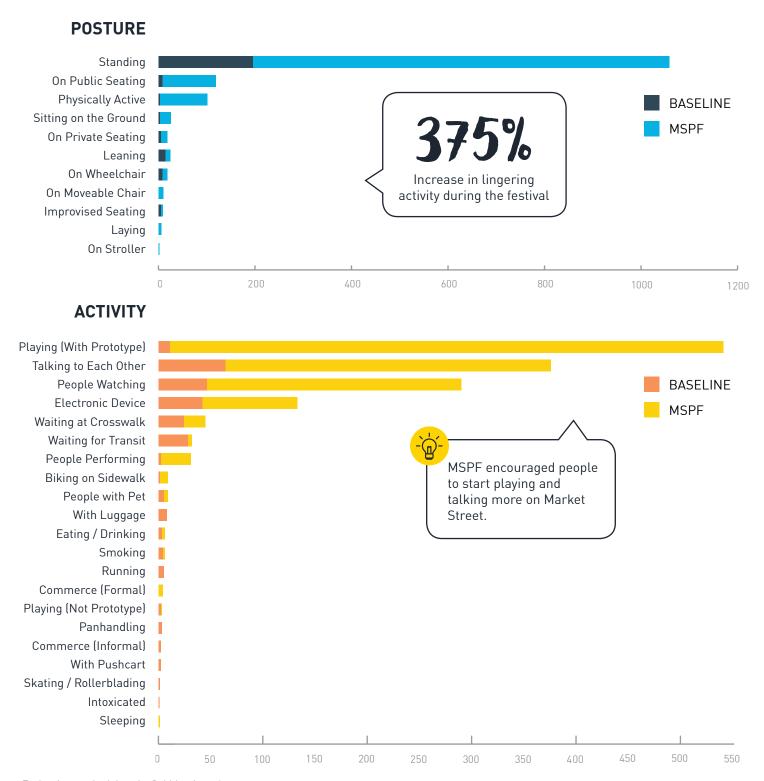
WAV.FIELD

# **PEDESTRIAN ACTIVITY**

Pedestrian life on Market Street changed drastically during the Festival. The increase in number of people stopping and lingering was largely due to interactive prototypes and programming. Observed pedestrian and lingering activities are listed below.

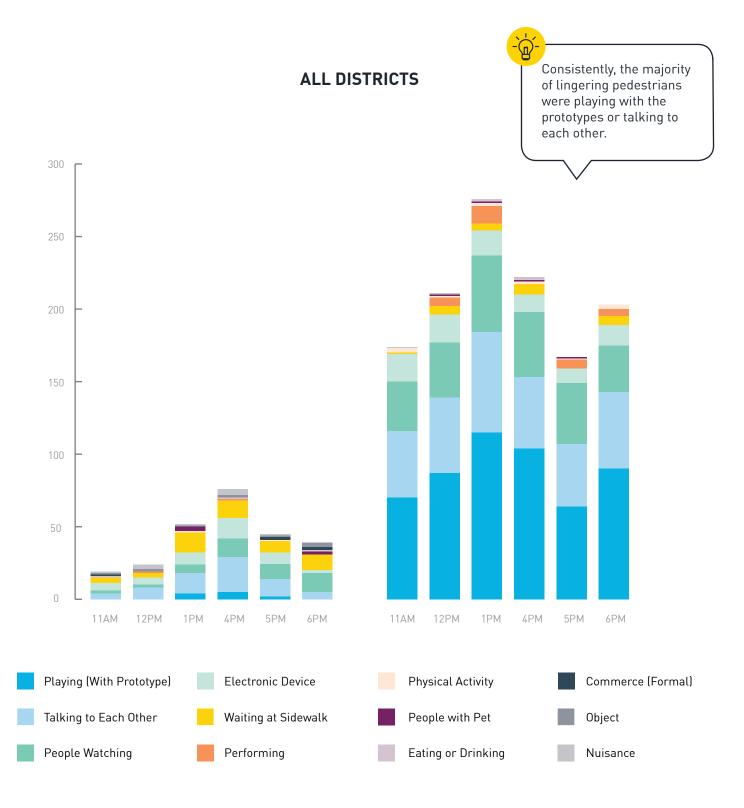
#### Method:

Evaluation team recorded pedestrian posture and activity at each prototype once per hour, from 11-2pm and 4-7pm.



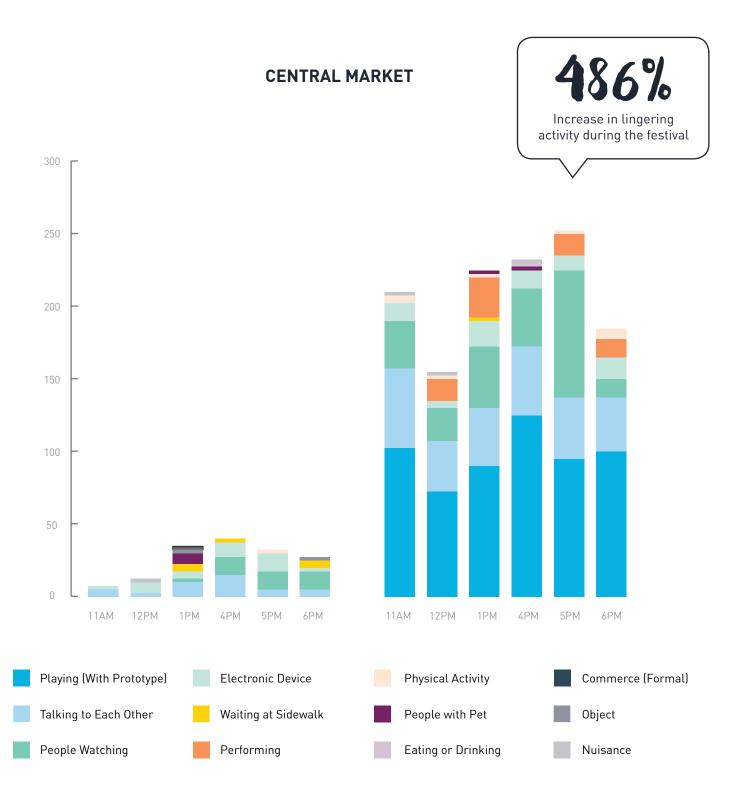
# PEDESTRIAN ACTIVITY BY HOUR

The Festival encouraged pedestrians to interact with prototypes and fellow passersby. Throughout the day, pedestrian activities remained more diverse than baseline days. Activities especially intensified around the lunch hour during MSPF.



# PEDESTRIAN ACTIVITY BY HOUR

Among the districts, Central Market experienced the largest increase in lingering activities. 486% more people chose to stop and spend time in this district compared to a typical day.



# **PEDESTRIAN COUNTS**

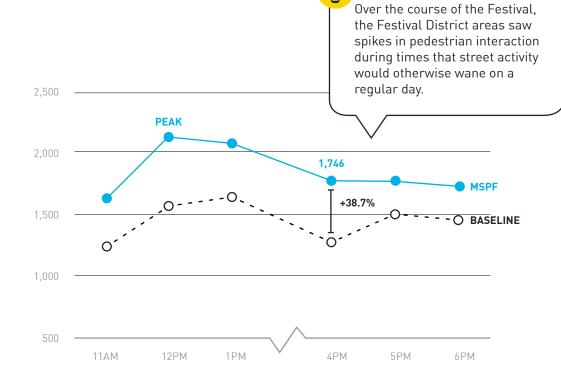
Based on pedestrian counts performed during and after the Festival, on average about 33% more people walked along Market Street during MSPF. In addition to the manual counts we conducted, some prototypes had built-in technologies that gauged interaction.

#### Method:

Evaluation team counted how many pedestrians pass through a screen line for 10 minutes every hour, from 11-2pm, and 4-7pm.

# PEDESTRIANS PER HOUR

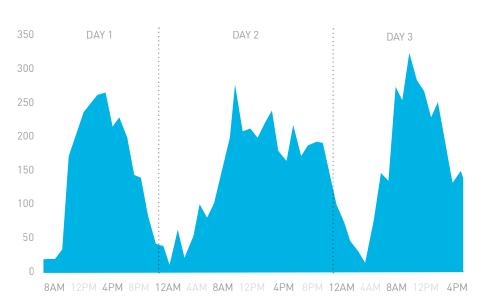
Average for each hour for all districts.



# PEDESTRIAN COUNT BY DAY

27 Steps, a prototype in the Embarcadero District, deployed a combination of passive infrared sensors to count the number of individuals at that installation.

Data courtesy of Prototype Team 27 Steps.



# REGIONAL REACH

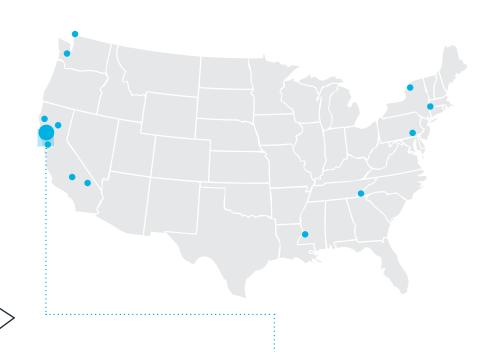
# Method:

The Evaluation Team asked prototype users for their home and work zip codes.

# How to Read:

Dots represent the home and work zip codes of the user interview respondents. The larger the dot, the more people from the given zip code.

People also visited from neighborhoods in San Francisco, Oakland, San Jose, and other locations outside of the Bay Area.







# REPRESENTATION **BY WORK ZIP**

The prototypes brought people who live or work around Market Street together.



"Initiatives like the Prototyping Festival allow all passionate city residents to engage in the civic process and to provide hands-on contributions. Collaboration and rapid experimentation can help solve San Francisco's biggest challenges."

-SF Station

# Thank You

The Market Street Prototyping Festival is an example of the power of civic collaboration.

# Report Prepared By:

Kay Cheng Wendy Ho Rachelle Sarmiento

# FESTIVAL TEAM

Neil Hrushowy, Deborah Cullinan, Kay Cheng, Angela Carrier, Robin Abad, Voleine Amilcar, Sandie Arnold, Gary Chen, Wendy Ho, Jessica Look, Jen Martindale, Betsy McCall, Jonathan Moscone, Rhonda Pagnozzi, Patrick Race, Rebeka Rodriguez, Scott Rowitz, Laura Saldivar, Rachelle Sarmiento, Gina Simi, Candace SooHoo, Elise Stieren, Charles Ward, and all of the Festival volunteers.

# **TEAMS**

# **27 STEPS**

Nish Kothari, Anesta Iwan, Innovation Hangar Team, Adonis Gaitatzis, Will Giovacchini, Gabriel Larsen Santos, Craig and Kevin at Metal Magic, Aurelia Friedland, Steve Pepple, Grant Ryan, Stephanie Geerlinger.

#### **BACK TO PAPER**

Raphaelle Chaygneaud-Dupuy, Brian Bordley, Evan Mac, Alexandre Jais.

# **CHIME**

Dan Gottwald, Scott Watkins.

#### **COMMON GROUND**

Cloud Arch Studio

# CREATE-WITH-NATURE CART

Damien Raffa, Zach Pine, Mary Roscoe.

#### **EAVESDROP**

Vincent Agoe, Yang (Alex) Liu, Thomas Mackey, Mark Wessels, Benjamin Heim, Gino Orlando, David Koo.

# **EMBER**

Jason Rasmussen, Gilbert Schmitt.

# EXCALIBUR YOUTH PROTOTYPE

Craig Hallow, Youth Art Exchange, Design & Architecture Interns (Alasia, Brittany, Crystal, David, Destiny, Eddy, Emmanuel, Isis, Jackie, Mary Claire, Nehemias, Sara, Sonte, Tahim).

#### **FOLLOW**

Christopher Schardt

#### **GAMEPOST**

Josh Lee

# **GLIMMER**

Adam Marcus

# INSIDE OUT DANCE STUDIO

Kristen Jacobson, G. Chris Griffin, Sarah Riddle.

# **KNOTTY SIDEWALK!**

CMG Landscape Architecture

# LIVABLE BODY LIVABLE CITY

Katy Fox, Corey Krehel.

# MAPS OF SAN FRANCISCO

Morgan Fabian, Taylor Stein, Marti Deans, Nicole Vieira, Alex Mandel, Sahana Rajasekar.

# METRO MOODS ON MARKET

Paul Jamtgaard, Julia Grinkrug.

# **PEEPSHOW**

Taylor Dearinger, Joel Miller, Marc Pembroke, Will Bloomer, Christina Rossi.

# **PILLARS OF REFLECTION**

Etienne Ma, Tim Wei.

#### **PLAY HEAR**

Adam Fong, Bart Hopkin, David Samas.

# **POP-UP FOREST**

Phil Pierce, Doug Wildman, Anne Brask, Jon Swae, Monica Way.

# **PRISM PORTAL**

Claire Hart-Slattery, Ryan Sison, Tigran Tyler Pell.

# **PULSE**

Danielle Aspitz

# **RECLAIM THE WATER**

Zoe Bezpalko, Elspeth Tordoff, John Stueve, Aimee Johnson.

# ROCK ROCK AROUND THE BLOCK

Cindy Jian, Nancy Sayavong.

# **SEA LEVEL STORIES**

Johanna Joffman, Tony Gannon, Genevieve Hoffman.

#### **SONOGROTTO**

Liz Ranieri, Byron Kuth, Ethen Wood, Danielle Aspitz.

#### **STRANGE LENSES**

Robb Godshaw.

# STREETSPEAK.SF

Michelle Zucker, Caroline Neel, Drew Mcrae.

# SWALLOWTAIL COMMUNITY PROTOTYPE

Atelier Cho Thompson, Central Market Think Tank (Central City SRO Collaborative, Community Ambassadors Program (City and County of San Francisco), CounterPulse, Holy Stitch Denim Social Club, Hospitality House, Larkin Street Youth Services, Luggage Store Gallery, Market Street for the Masses, Major's Office of Disability (City and County of San Francisco), Senior and Disability Action. SoMa Pilipinas, SoMa Youth Collaborative/United Playaz, Tenderloin Community Benefit District, Walk SF, Wildflowers Institute).

# THE PLAY STATION

Emily Peckenham, Ivan Rodriguez, Deland Chan, David Yao.

#### THE SIDEWALK LIBRARY

San Francisco Public Library, San Francisco Public Works Landscape Architecture.

# ZERO WASTE TRADING AND MENDING CART

Alexandra Nicole Solis-Sison

# **URBAN THUMP**

Paul Pillitteri, Damian O'Brien, Mike Coakley, Alina Savu.

#### **VOTE WITH YOUR FEET**

Michael Philetus Weller, Cheng Xu, Ziyun Peng, Chaoyu Yang.

# **WAV.FIELD**

Tommy Haddock, Tamara Jafar.

# **DESIGN CAPTAINS**

#### CENTRAL MARKET

Mark Pembroke, David Baker Architects

#### **RETAIL HEART**

Sandra Vivanco, California College of Arts

#### **EMBARCADERO**

Tristan Randall, Autodesk

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Autodesk

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Dolby, Grosvenor

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#### **INCUBATION SPONSOR**

Grey Area

# **FUNDERS**

Artplace, Californa Arts Council, Google.org, The James Irvine Foundation, Art Works, San Francisco Arts Commission.



# PHOTOGRAPHY CREDITS

We would like to thank the following sources for the photography used in this report.

# Page 5 - Discover on Market Street

Metro Moods on Market by Paul Jamtgaard. Main - Photo by Kay Cheng. Rendering - Rendering courtesy of artist. Open House - Photo by Tommy Lau. Festival - Photo by David Leong.

#### Page 6 - Interact Differently With Public Space

Left to Right, Top to Bottom Glimmer by Adam Marcus. Photo by Neil Hrushowy. peepSHOW by Sameena Sitabkhan. Photo by David Leong. 27 Steps by Nish Kothari. Photo by Kay Cheng. Pillars of Reflection by Timothy Wei. Photos by Kay Cheng. wav.field by Tommy Haddock. Photo by Tommy Lau. Follow by Christopher Schardt. Photo by Rachelle Sarmiento.

# Page 7 - What Do You Think?

Photos by Wendy Ho.

# Page 9 - Gather on Market Street

Swallowtail: Community Prototype by Central Market Think

Main - Photo by Tommy Lau. Think Tank Meeting - Photo by Jessica Look. Rendering - Rendering courtesy of artist. Festival - Photos by Kay Cheng.

# Page 10 - Erase the Boundaries that Divide Us

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Inside Out Dance Studio by Sarah Riddle. Photo by Tommy Lau. Pop-Up Forest by Phil Pierce. Photo by David Leong. Prism Portal by Clare Hart-Slattery. Photos by Kay Cheng. sonoGROTTO by Liz Ranieri. Photo by Neil Hrushowy. Play Hear by Adam Fong. Photo by Tommy Lau.

Create-With-Nature Cart by Damien Raffa. Photo by Kay Cheng.

# Page 11 - Accessibility

Rock Rock Around the Block by Cindy Jian. Photo courtesy of

The Play Station by Emily Peckenham. Photo by Kay Cheng. Reclaim the Water by Zoe Bezpalko. Photo by Nathan Luu. Metro Moods on Market by Paul Jamtagaard. Photo by Neil Hrushowy.

Gamepost by Josh Lee. Photo courtesy of artist. Tactical Strip Map. Photo by Wendy Ho.

# Page 12 - Play on Market Street

Rock Rock Around the Block by Cindy Jian. Main - Photo by Rachelle Sarmiento. Rendering - Rendering courtesy of artist. Open House - Photo by Tommy Lau. Festival - Photo by Kay Cheng.

# Page 13 - Find Fun and Whimsical Experiences

Left to Right, Top to Bottom

Urban Thump by Paul Pillitteri. Photo by Tommy Lau. The Play Station by Emily Peckenham. Photo by Tommy Lau. Knotty Sidewalk! by CMG Landscape Architects. Photo by David Leong.

Chime by Scott Watkins. Photo by David Leong. Gamepost by Josh Lee. Photo courtesy of artist. Ember by Jason Rasmussen. Photo by Rachelle Sarmiento.

#### Page 14 - Bringing Resources to the Street

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The Play Station by Emily Peckenham. Photo by David Leong. Swallowtail: Community Prototype by Central Market Think Tank. Photo by Tommy Lau.

Inside Out Dance Studio by Sarah Riddle. Photos by Kay Cheng. Sidewalk Library by Mark Hall. Photo by Tommy Lau. Zero Waste Trading and Mending Cart by Alexandra Nicole Solis-Sison. Photo courtesy of artist.

The Sidewalk Library by Mark Hall. Photo courtesy of artist.

# Page 15 - Connect on Market Street

Excalibur: Youth Prototype by Youth Art Exchange and YBCA Main - Photo by Tommy Lau. Design Workshop - Photo courtesy of artist. Prototype - Photo courtesy of artist. Festival - Photo by Kay Cheng.

#### Page 16 - Cross Paths with Someone New

Strange Lenses by Robb Godsaw. Photo by Rachelle Sarmiento. Common Ground by Cloud Arch Studio. Photo courtesy of artist. StreetSpeak.SF by Michelle Zucker. Photo by Tommy Lau. EAVESDROP by Mark Wessels. Photo by Kay Cheng. Back to Paper by Raphaelle Chaygneaud-Dupuy. Photo by Kay Chena.

Pulse by Danielle Aspitz. Photo by Rachelle Sarmiento

# Page 17 - Part of a Global Movement

Left to Right, Top to Bottom

Code: Art. Photo courtesy of the City of Palo Alto. 16th Street Prototyping Festival. Photo by Kathryn Scott. River Balcony Prototyping Festival. Photo courtesy of the City of St. Paul.

Sonic Forest by Christopher Janney. Photo courtesy of Mesa Art Center.

PlaceMakers Prototyping Festival. Photo courtesy of the City of

Public Platform. Photo courtesy of Public Platform.

# Page 18 - Educate on Market Street

Vote With Your Feet by Michael Philetus Weller. Main - Photo courtesy of artist. Rendering - Photo courtesy of artist. Open House - Photo by Kay Cheng. Festival - Photo courtesy of artist.

#### Page 19 - Learn About Your City

The Sidewalk Library by Mark Hall. Photo by Kay Cheng. Maps of San Francisco by Morgan Fabian. Photo by Neil Hrushowv.

Zero Waste Trading and Mending Cart. Photos by Kay Cheng. Sea Level Stories by Johanna Hoffman. Photos by Kay Cheng. Reclaim the Water by Zoe Bezpalko. Photos by Nathan Lu. Livable Body Livable City by Katy Fox. Photo courtesy of artist.