

Quick Build Networks for All (Part I)

Alia Anderson Toole Design Amar Mohite Harris County Precinct One John Brazil City of San Jose Peter Bennett City of San Jose Matthew Dyrdahl City of Minneapolis

pedbikeinfo.org

Meet the Panel



Alia Anderson Toole Design



Amar Mohite Harris County Precinct One



Matthew Dyrdahl City of Minneapolis



John Brazil City of San Jose



Peter Bennett City of San Jose

Part I (Today)

Part II (Tomorrow)

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Housekeeping

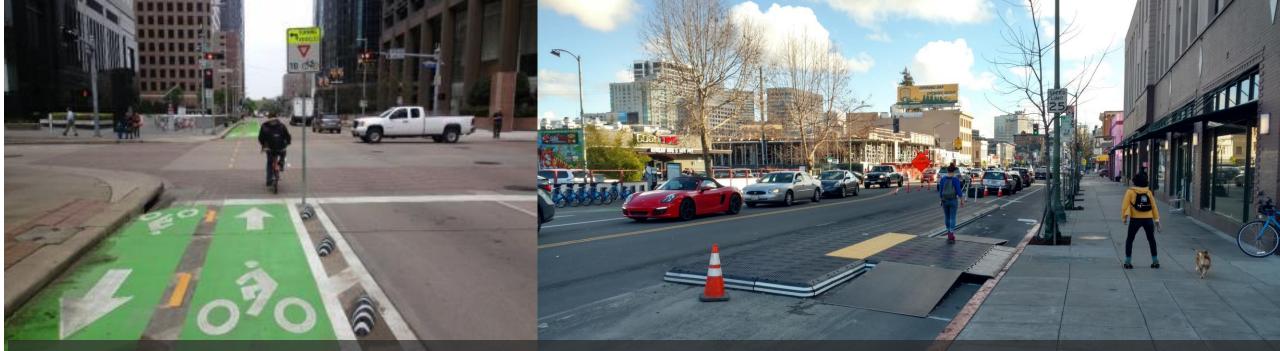
- ⇒ Submit your questions
- ⇒ Webinar archive: <u>www.pedbikeinfo.org/webinars</u>
- ⇒ Certificates and professional development hours
- ⇒ Follow-up email later today
- ⇒ Join us for <u>Part II</u> tomorrow

Quick Build Networks for All: OVERVIEW



OUTLINE

- What is Quick Build?
- Why Do It?
- Key Considerations
- Challenges
- Ingredients for Success



WHAT IS QUICK BUILD ALL ABOUT?



TRENDS

🗭 Vision Zero

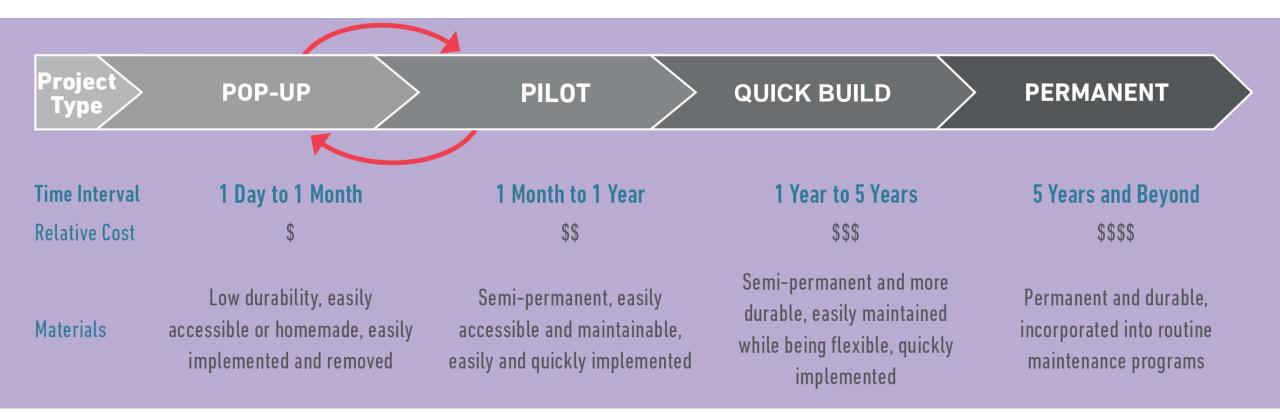


Growing demand for active, sustainable transportation





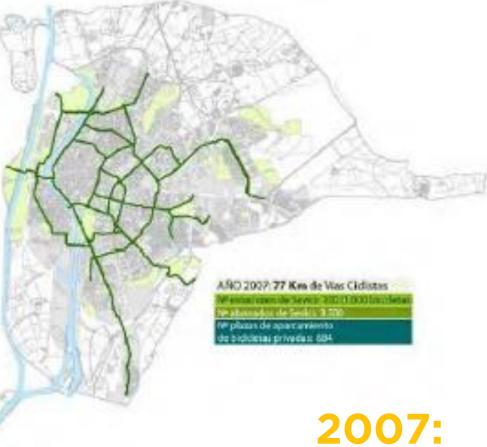
TERMS



SOURCE: MARQUES AND HERNANDEZ-HERRADOR

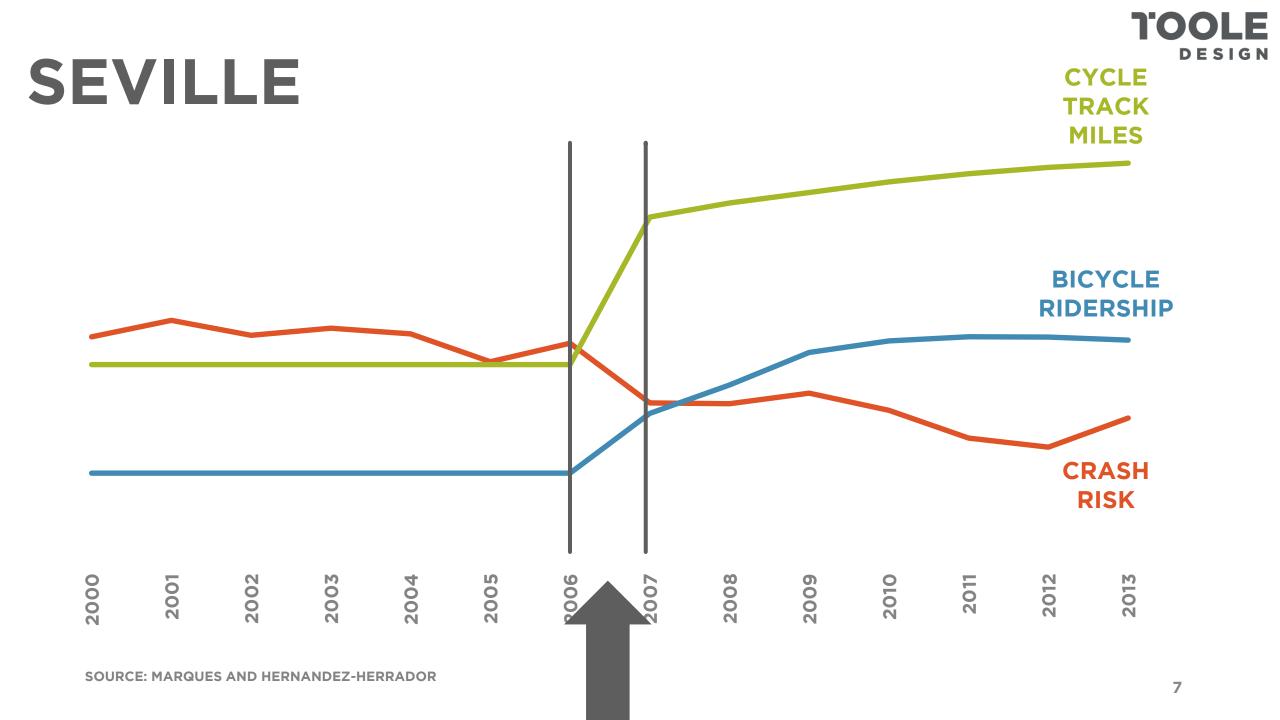
SEVILLE





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TOOLE

DESIGN







TOOLE

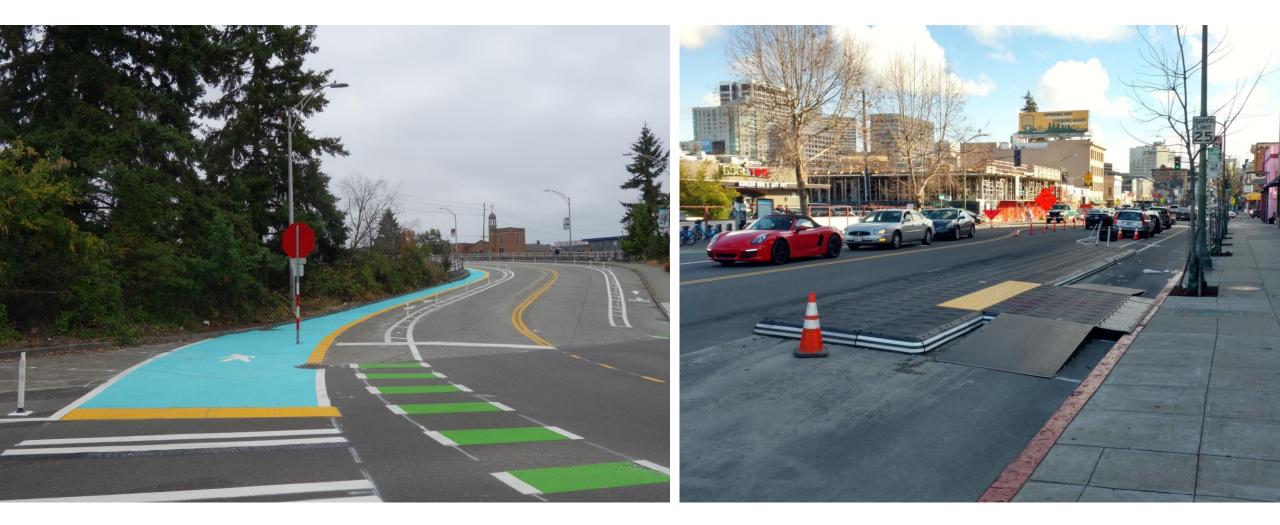
DESIGN

Photo Credit: The Big Jump, PeopleforBikes, Baltimore, MD







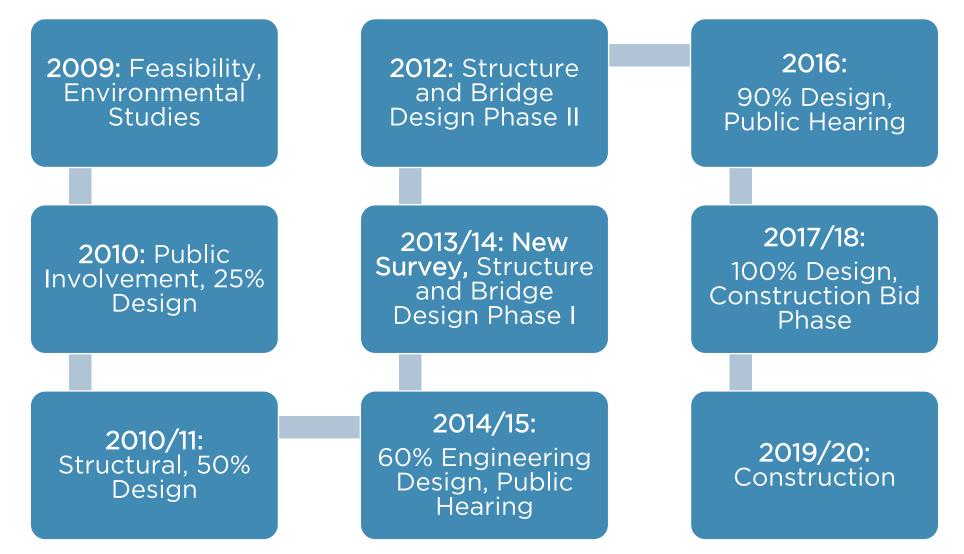


TOOLE

DESIGN

WHY?

RESULTS TAKE FOREVER



RESULTS TAKE FOREVER

Use of Edmonton's bike lanes nearly doubled in first month, numbers show

'I love that Edmonton is becoming more accessible on the bicycle'

David Thurton · CBC News · Posted: Aug 10, 2017 6:00 PM MT | Last Updated: August 11, 2017



SOURCE: CANADIAN BROADCASTING CORPORATION

Protected bike lanes reduce stress, travel time for riders: study

Expanded connectivity means shorter trips and lower stress for bicycle commuters, U of A student's research shows.





FEAR OF CHANGE

Tone of 311 Calls Received

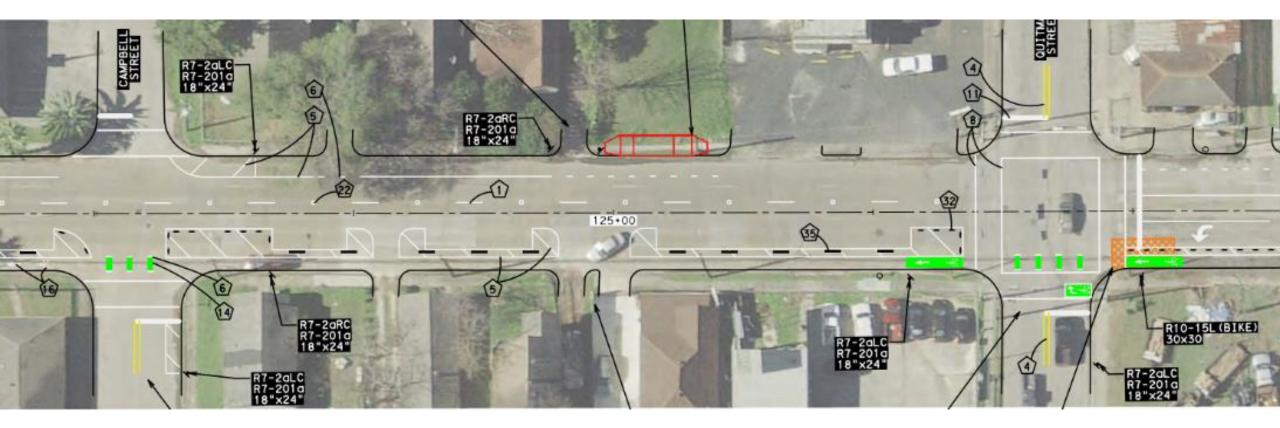
60 Positive Neutral 12 Ave Open Negative 5 St Open 40 8 Ave/9 Ave and Stephen Ave Open 20 0 -20 SOURCE: CITY OF CALGARY -40 Cycle Tracks are Open Construction -60 7-May 14-May 2-Jul 30-Jul 3-Sep 10-Sep 1-0ct 15-Oct 30-Apr 21-May 28-May 4-Jun 11-Jun 18-Jun 25-Jun lul-e 16-Jul 23-Jul 6-Aug 13-Aug 20-Aug 27-Aug 8-Oct 22-Oct 29-Oct 5-Nov 12-Nov 17-Sep 24-Sep

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DESIGN



PERFECT AS THE ENEMY OF GOOD



IT IS ABOUT MORE THAN SIDEWALKS AND BIKEWAYS

HOUSTON OFFERS OPPORTUNITY FOR ALL. WE CELEBRATE OUR DIVERSITY OF PEOPLE, IDEAS, ECONOMY, CULTURE, AND PLACES. WE PROMOTE HEALTHY AND RESILIENT COMMUNITIES THROUGH SMART CIVIC INVESTMENTS, DYNAMIC PARTNERSHIPS, EDUCATION, AND INNOVATION. HOUSTON IS THE PLACE WHERE ANYONE CAN PROSPER AND FEEL AT HOME.

ADOPTED BY HOUSTON CITY COUNCIL OCTOBER 2015.

DESIGN

TOOLE DESIGN

LIMITED FUNDING





STRENGTH OF QUICK BUILD

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Doesn't let PERFECT be the ENEMY OF THE GOOD.

Allows managing FEAR OF CHANGE. Provides quick proof of concept instead of having **RESULTS TAKE FOREVER.** Allows for changes to be made even when there is **LIMITED FUNDING.**

WHAT MAKES IT QUICK?

- Cheap materials, quick installation
- Consolidated/iterative planning and design process
- Field engineering
- Dedicated staff and consultant support
- Expedited review phases; Coordinated agency teams
- Political priority
- It is NOT a chance to skip or skim through:
 - Public engagement
 - Permitting / approvals
 - Engineering evaluation and quality control

KEY CONSIDERATIONS

- Who makes decisions?
- Design for safety, accessibility, equity
- Community engagement
- Maintenance

WHO MAKES DECISIONS?

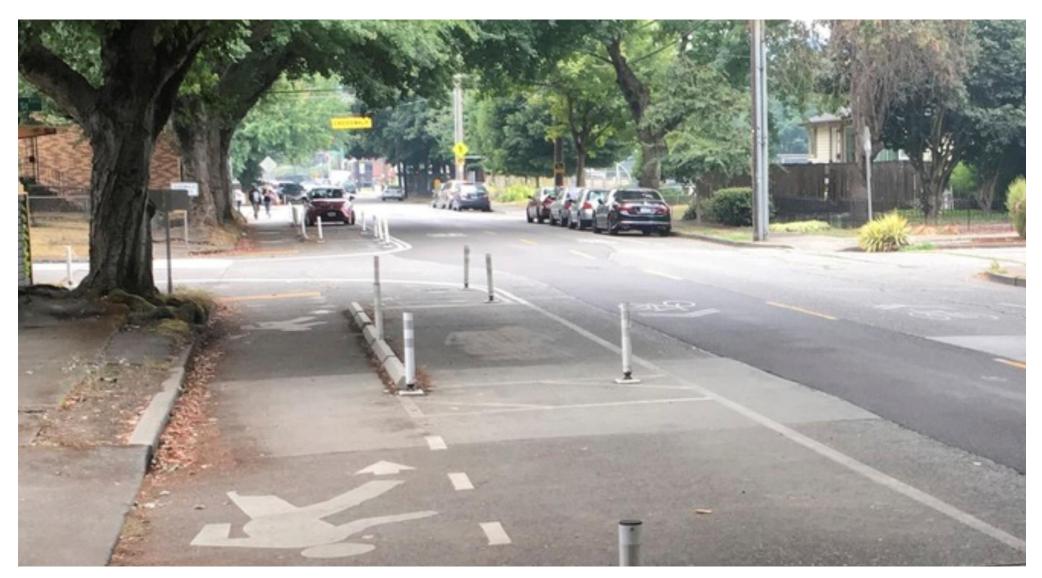


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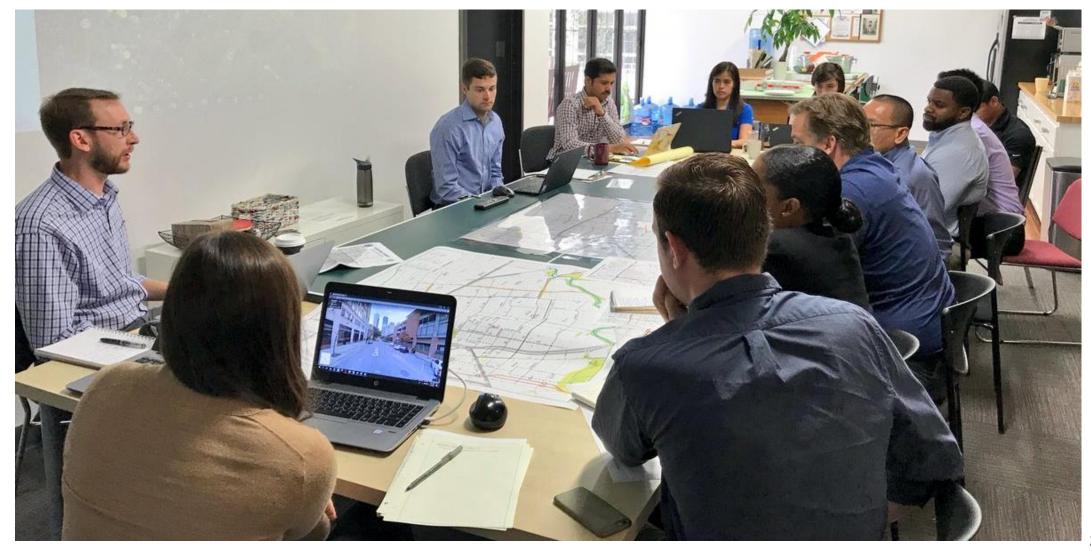
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DES

DESIGN FOR SAFETY, ACCESSIBILITY, EQUITY



ENGAGEMENT & COMMUNITY KNOWLEDGE



TOOLE

DESIGN

ENGAGING THE PUBLIC



SOURCE: CITY OF HOUSTON





ENGAGEMENT DOESN'T STOP WITH OPENING DAY



SOURCE: CITY OF EDMONTON

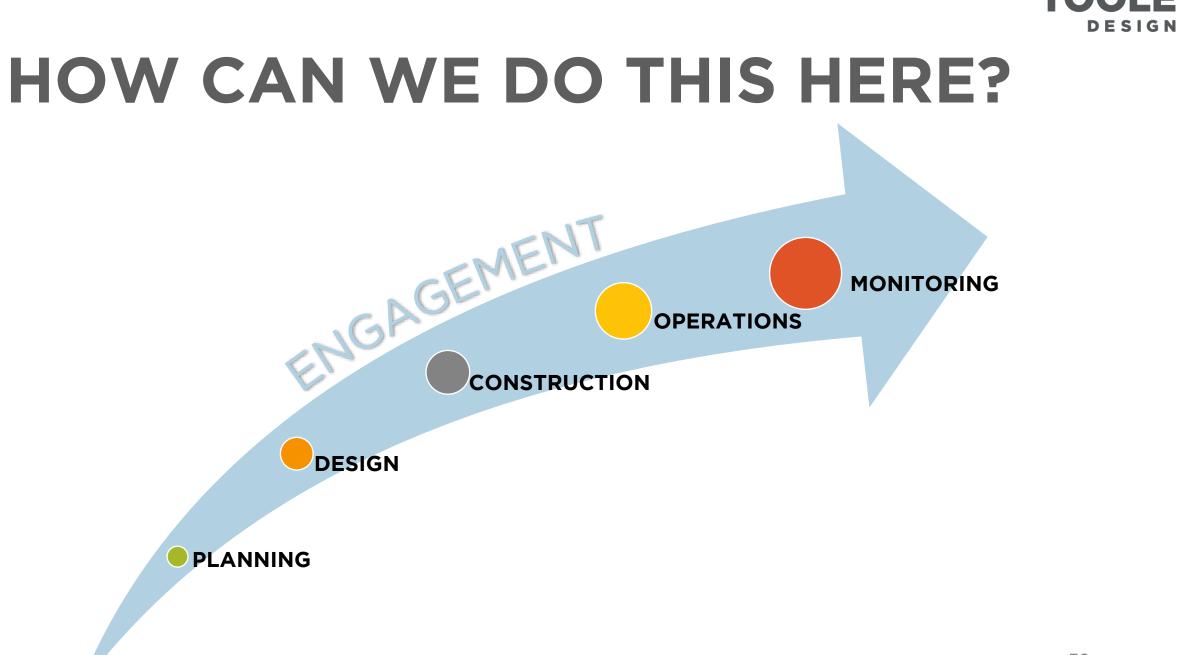
MAINTENANCE



DESIGN & OPERATIONS WORKING TOOLE TOGETHER

YIELD TO BICYCLES

SOURCE: CITY OF EDMONTON



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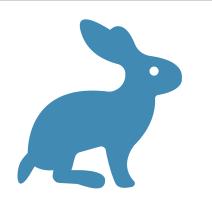
MAINTAIN CHAMPIONS



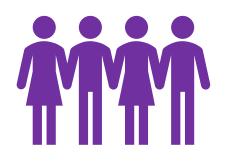


DESIGN SHOULD PRIORITIZE SAFETY

INGREDIENTS FOR SUCCESS



FOCUS ON PROJECTS that SHOW RESULTS QUICKLY



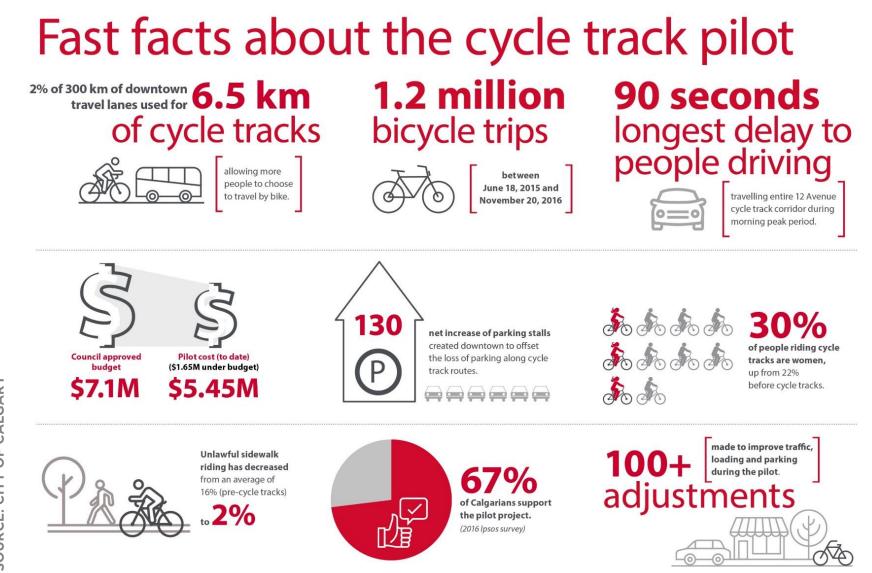
ONE COLLABORATIVE TEAM of DESIGNERS and OPERATORS



INITIAL PROJECTS are ONLY THE BEGINNING

MEASURE PERFORMANCE & SHARE STORIES





MEASURE PERFORMANCE & SHARE STORIES





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Replying to @tylergolly and @tooledesign

Our 4.5yo biked 13km in protected bike lanes one day this summer. She's got confidence, power and a sustainable future.



Greg Wengreniuk @GregWengreniuk

Replying to @tylergolly and @tooledesign

This year I turned 50. I started cycling and now commute 12.5 km to work on the grid and shared paths. My rush hour commute decreased from 40 to 35 mins, my stress decreased, and I'm in better shape now than in my 30s. My energy levels are up and match my pride 🚴



Richard Liebrecht @rwliebrecht

Replying to @tylergolly @YEGclimate and @tooledesign

It's made riding around with our 21month old in a chariot far less nerve wracking. A big part of our family's fitness plan.



Calvin Binnema @phiphophy

Replying to @tylergolly and @tooledesign

Age 59 - decided to start cycling to work this spring because there is now a fairly direct route to yegdt from S Clareview along mostly MUP or bike grid. Now committing to trying year round. Commute is no longer than transit. Improved physical & mental health.



J I Schmid @iarvisschmid

Replying to @tylergolly and @tooledesign

In yyc, my 7 y/o rode to drama camp downtown with me for 10 days (I was going to work). 6.5 km each way during rush hour. Without lanes, we would have drove or not done the camp.



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Recovering Yoga Teacher @erinlovesyoga

Replying to @tylergolly and @tooledesign

Safe bike infrastructure makes me feel seen (literally & figuratively). It acknowledges that I exist, & that my safety matters. It's as simple & profound as that.

CASE STUDIES



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@AliaAnderson

PUBLIC SERVICE FAIR OPPORTUNITY EQUAL JUSTICE

QUICK BUILD HARRIS COUNTY – CITY OF HOUSTON

Amar Mohite Director, Planning & Infrastructure Office of Commissioner Rodney Ellis



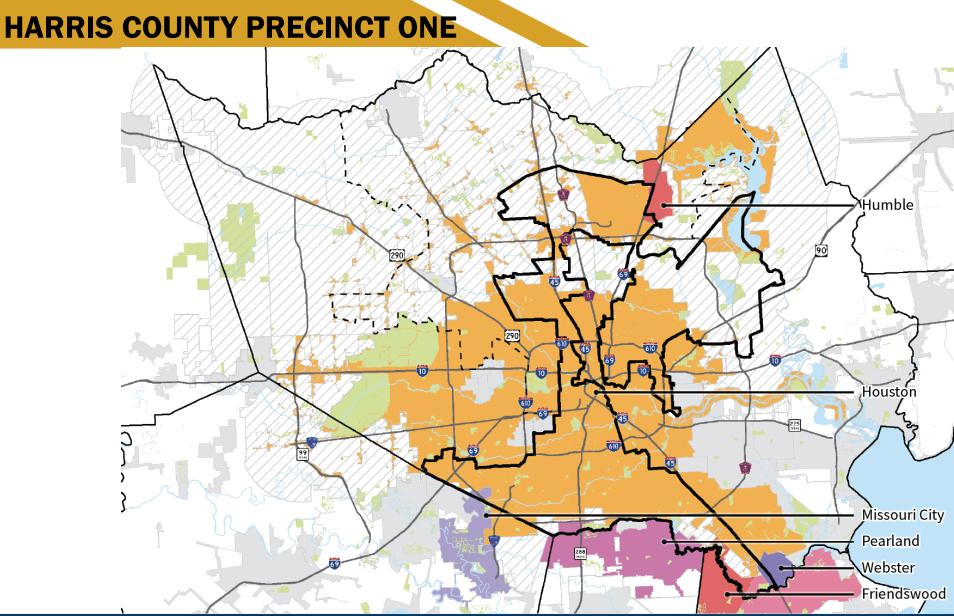
HARRIS COUNTY PRECINCTONE

BUILDING PARTNERSHIPS

TALENAL SPACE

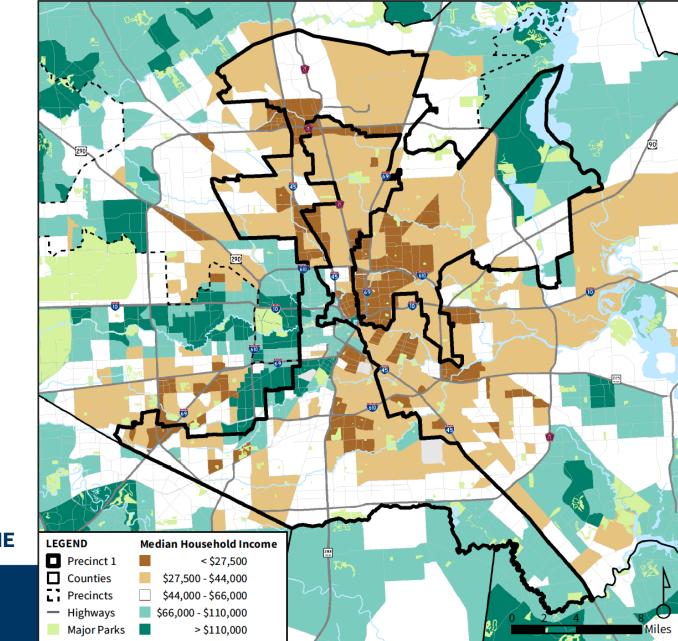
CHAMPION CHALLENGE CELEBRATE







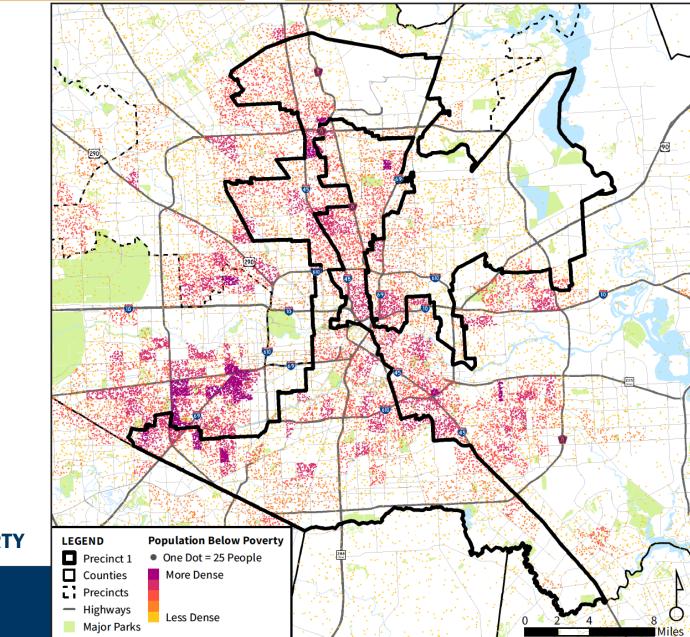
HARRIS COUNTY PRECINCT ONE



MEDIAN HOUSEHOLD INCOME



HARRIS COUNTY PRECINCT ONE



POPULATON BELOW POVERTY

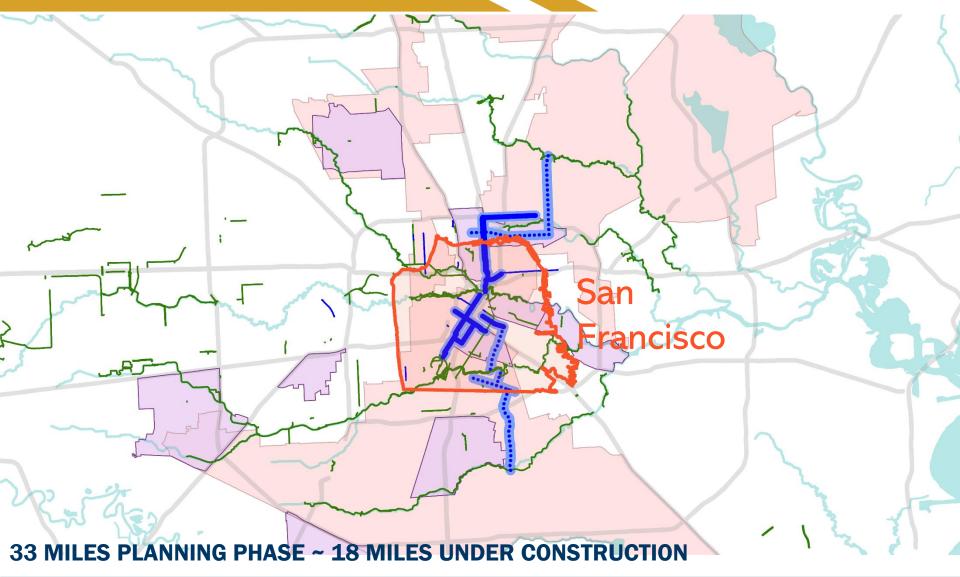


BAYOU GREENWAY 2020





EVERYTHING IS BIGGER IN TEXAS





HARRIS COUNTY

- FUNDING
- NETWORK PLANNING
- DESIGN
- CONSTRUCTION
- 1-YEAR MAINTENANCE

DEPARTMENTS

• HARRIS COUNTY ENGINEERING

CITY OF HOUSTON

- COMMUNITY & STAKEHOLDER
 ENGAGEMENT OUTREACH
 - PLANNING
 - DESIGN
 - CONSTRUCTION
- DESIGN REVIEW & APPROVAL
- LONG TERM MAINTENANCE

DEPARTMENTS

- PLANNING & DEVELOPMENT
- PUBLIC WORKS
- PARKS & RECREATION
- SOLID WASTE
- PARKING



DESIGN | CONSTRUCTION

DESIGN TEAM & PARTNERS

PLANNING & DESIGN

- TRAFFIC ENGINEERS INC.
- TOOLE DESIGN

OTHER AGENCIES

- HOUSTON METRO
- TXDOT
- MANAGEMENT DISTRICTS

PROJECT MANAGEMENT

• JONES | CARTER

ORGANIZATION

- BIKE HOUSTON
- HOUSTON BIKE SHARE
- SUPER NEIGHBHORHOODS



LEADERSHIP MATTERS





LEADERSHIP MATTERS ROLES & RESPONSIBLITES





LEADERSHIP MATTERS ROLES & RESPONSIBLITES RULES OF ENGAGEMENT





LEADERSHIP MATTERS ROLES & RESPONSIBLITES RULES OF ENGAGEMENT COMMUNITY ENGAGEMENT





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- **LEADERSHIP MATTERS**
- **ROLES & RESPONSIBLITES**
- **RULES OF ENGAGEMENT**
- **COMMUNITY ENGAGEMENT**
- **TEAM & PARTNERS**



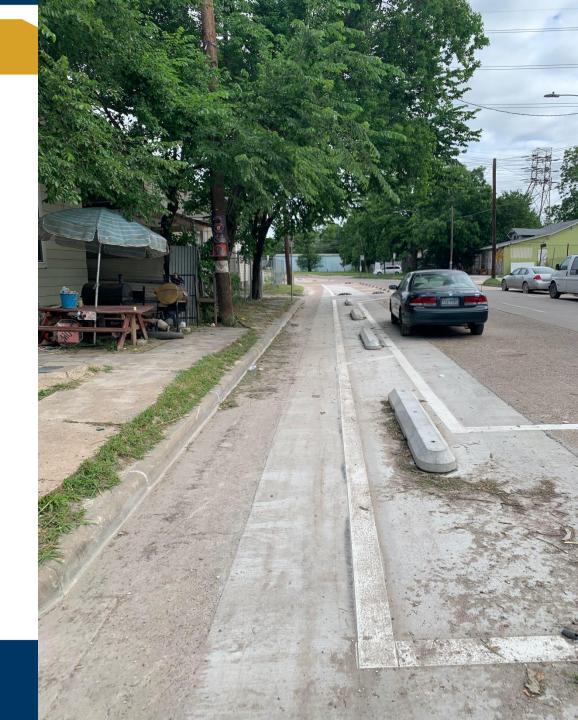
LEADERSHIP MATTERS ROLES & RESPONSIBLITES RULES OF ENGAGEMENT COMMUNITY ENGAGEMENT TEAM & PARTNERS PROJECTS EVOLVES





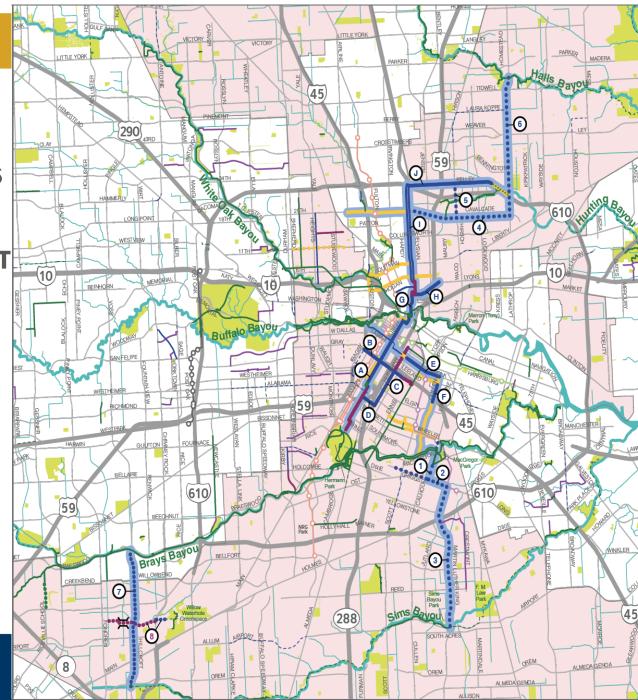
LEADERSHIP MATTERS ROLES & RESPONSIBLITES RULES OF ENGAGEMENT COMMUNITY ENGAGEMENT TEAM & PARTNERS PROJECTS EVOLVE MAINTENANCE

> HARRIS COUNTY PRECINCTONE



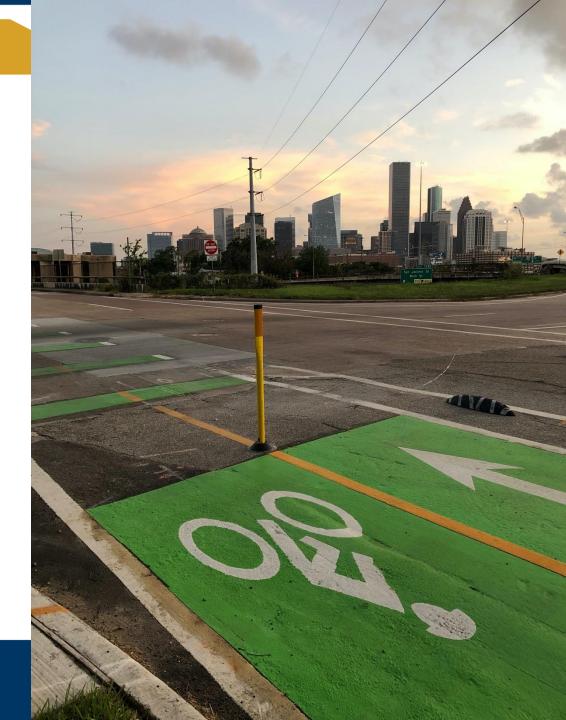
LEADERSHIP MATTERS ROLES & RESPONSIBLITES RULES OF ENGAGEMENT COMMUNITY ENGAGEMENT TEAM & PARTNERS PROJECTS EVOLVE MAINTENANCE

LOOKING FORWARD





QUESTIONS





Discussion

⇒ Send us your questions

\Rightarrow Follow up with us:

- ⇒ Alia Anderson <u>aanderson@tooledesign.com</u>
- Amar Mohite <u>amar.mohite@cp1.hctx.net</u>
- Matthew Dyrdahl <u>matthew.dyrdahl@minneapolismn.gov</u>
- ⇒ John Brazil john.brazil@sanjoseca.gov
- Peter Bennett <u>peter.bennett@sanjoseca.gov</u>
- ⇒ General Inquiries pbic@pedbikeinfo.org

⇒ Archive at <u>www.pedbikeinfo.org/webinars</u>