MADE IN HOUSTON
Airline District, Houston TX
Mobile Community Infrastructure
Museum of Freeway Art, Atlanta GA
Re-Envisioning American Infrastructure
Green Grid, Houston TX
Health and Diversity Delivery System

OWNERSHIP / BARRIERS / ADJACENCIES

TrOD: Changing Behaviors
Delivering Health and Connections to Neighborhoods Near Industry
HOUSTON IS INFRASTRUCTURE
INFRASTRUCTURE

3 ASSUMPTIONS
1. Government Has a Role in Providing Infrastructure

2. Infrastructure is Equally Accessible to Community

3. Infrastructure Generates Spillover Social Gains

-Frischmann, Brett “Infrastructure: The Social Value of Shared Resources”
BAYOU GREENWAYS

75 MILES
CAR-CENTRIC HOUSTON DISCOURAGES WALKING CONTRIBUTING TO UNHEALTHY OUTCOMES

GREY-INFRASTRUCTURE DIVIDES NEIGHBORHOODS

65.8% OVERWEIGHT HOUSTON AREA RESIDENTS ARE AT RISK OF BECOMING OVERWEIGHT OR OBSESE
* SOURCE: TEXAS DEPT. OF STATE HEALTH SERVICES BRFSS 2010

UNDER-UTILIZED PARCELS ALONG BAYOU
SURFACE LOTS AND ADJACENT URBAN INFRASTRUCTURE RESULT IN IMPAIRED WATER QUALITY

23.7% NO PHYSICAL ACTIVITY HOUSTON AREA RESIDENTS HAVE NO LEISURE TIME PHYSICAL ACTIVITY
* SOURCE: TEXAS DEPT. OF STATE HEALTH SERVICES BRFSS 2010
HOUSTON: RECONNECTED

“BAYOU CITY” reconnecting Houston with its once forgotten past

Embracing the unique urban development patterns of the neighborhoods

Redefining Houston’s open space system to create healthy living opportunities for all

Enhancing ecosystem services through native/naturalized planting

Creating equitably distributed parkland for Houston by connecting existing green space with newly accessible greenway corridors

Rehabilitating ecological corridors to improve water quality

Expanding flood mitigation opportunities
BAYOU GREENWAYS APPROACH

GROWING POPULATION

4.2 MILLION INCREASE IN POPULATION BY 2040

58TH OUT OF 75 HOUSTON'S PARK SCORE COMPARED TO OTHER MAJOR CITIES

NEED FOR MORE PARKSPACE

20% OF HARRIS COUNTY IS IN THE 100-YEAR FLOODPLAIN

UNDEVELOPABLE FLOODPLAIN

70 MILES OF EXISTING (DISCONNECTED) GREENWAYS ALONG THE BAYOU

MISSING GREEN LINKAGES

INCREASED GREENSPACE

HEALTHY ECOLOGY

EQUAL ACCESS

HEALTHY COMMUNITY

CONNECTED TRAILS

PARKS

PARK SERVICE AREA RADIUS
100 YEARS IN THE MAKING

1836: HOUSTON FOUNDED
1913: COMEY PLAN
1937: FLOOD CONTROL FORMED
1950: INFRASTRUCTURE PROJECTS
1970: BAYOU PROJECTS END
2000: TROPICAL STORM ALLISON - POLICY CHANGE
2012: BAYOU GREENWAYS
2020: VISION REALIZED

$480 MIL IN PROJECT FUNDING FROM PUBLIC SUPPORT
$205 MIL SUPPORT FROM CITY OF HOUSTON
$100 MIL 69.3% OF TOTAL PARK'S BOND IN 2012
$275 MIL SUPPORT OUTSIDE CITY OF HOUSTON
$105 MIL RAISED IN PRIVATE PLEDGES
BAYOU GREENWAY BENEFITS

$77.1 MIL  PHYSICAL + MENTAL HEALTH BENEFITS
  HEALTH CARE COST SAVINGS  |  RECREATIONAL USE VALUE  |  URBAN COHESION

$22.5 MIL  ENVIRONMENTAL HEALTH BENEFITS
  AIR QUALITY + ENHANCED BIKE USE  |  ECOSYSTEM SERVICES  |  FLOOD/RUN-OFF REDUCTIONS + WATER QUALITY

$17.5 MIL  ECONOMIC HEALTH BENEFITS
  RETIREE RETENTION + RELOCATION  |  ENHANCED PROPERTY TAX BASE  |  COMPANY TALENT RECREATION + RELOCATION

* BAYOU GREENWAYS: A KEY TO A HEALTHY HOUSTON, August 2014, Bayou Greenways Benefit Analysis

6-in-10  HOUSTONIANS WILL LIVE WITHIN 1.5 MILES OF A BAYOU GREENWAY TRAIL
NYC IS PARKS
WILDLIFE INFRASTRUCTURE
POLLINATOR INFRASTRUCTURE
URBAN FOREST INFRASTRUCTURE