

# San Antonio's Smart City Program



# Smart City Initiative

A **Smart City** is one that uses data and technology to improve the quality of life for its residents.



Sustainability



Transportation



Digital Connected  
Living

# Key Projects



## SATRIP

Gather real-time traffic data, pedestrian safety and integration of high water detection system



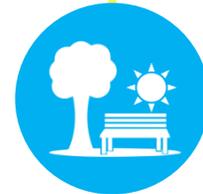
## Community Kiosks

Users will be able to access information on city services, way-finding, and transportation options



## Free Public Wi-Fi

10 City Parks in places where people gather



## Solar Benches

Solar-powered to charge mobile devices and collect usage data



## Mobile Apps

Re-designed 311 app and new app to navigate City Parks



## Drones

Assist SAFD with search and rescue, hazmat events, and high water events

# SATRIP



## Real-Time Traffic Data

Collect real-time traffic data along Military Drive & Blanco Road



## Highwater Detection

Signs to direct traffic prior to low water crossings



## Envision America 2017

One of 10 cities to take part in the Envision America conference



## Pedestrian Sensors

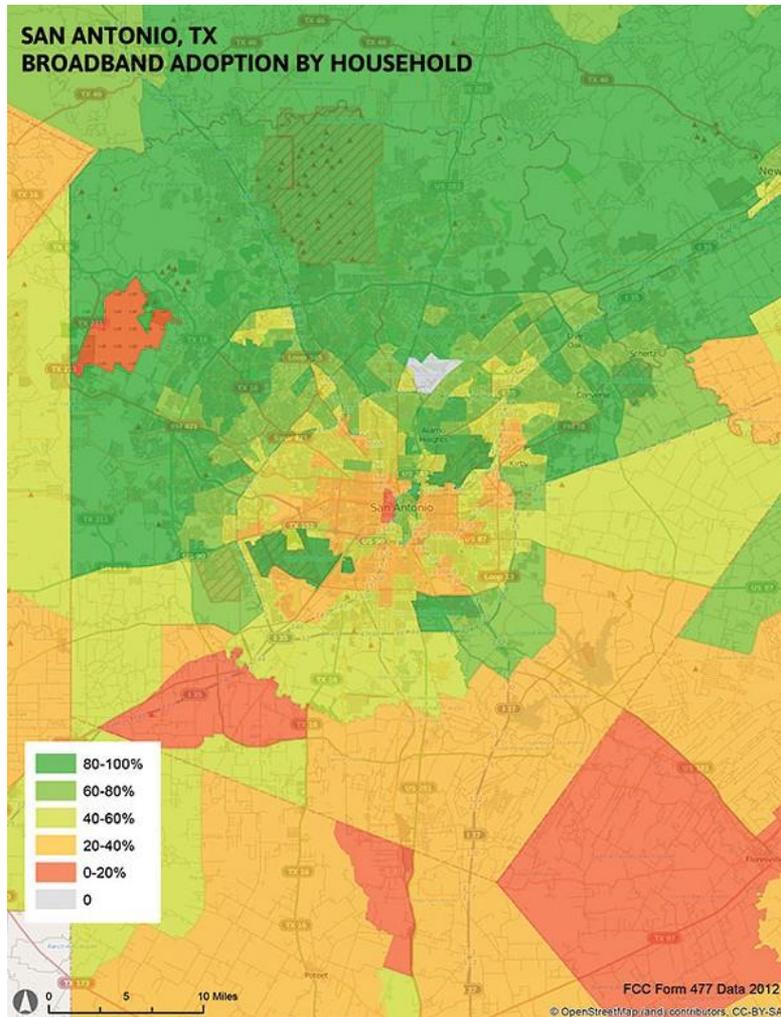
Detect pedestrians in crosswalk & hold light until clear



## Mobile App

Provide information to travelers about traffic & flooding

# Wi-Fi in the Parks



- Provide increased coverage in 10 parks where users congregate
  - Playgrounds
  - Community Centers
  - Pavilions
- Parks will begin to come online in May 2017

# Mobile Apps

## Enhanced 3-1-1 App



### Location Based

Allow users to submit & see 3-1-1 items by their location



### User Friendly

Focus of the app will be the user experience



### Gamification

App will include a social media or gamification element

## Parks App



### Wayfinding

App will provide wayfinding & amenity locations



### Calendar & Contact

Events will be included in the app as well as the ability to contact a park steward



### Location

Initial project is for linear creekways & 10 largest parks

# Community Kiosks



## Free Public Wi-Fi

Wi-Fi hotspots will allow users to stay connected



## Multi-lingual

Content will be available in multiple languages



## Hyper-Local Information

Users can find events, businesses, restaurants, and other information for the area they are in



## City Services

Users will be able to access information on city services, way-finding, and transportation options



## Digital Advertising

Touchscreens can be used to advertise local businesses and provide public service announcements



## Access for All

Kiosks will be ADA-accessible

# Community Kiosks

## Kansas City

- 25 kiosks along 2.2-mile street car line
- Mobile app integration
- Information on local amenities and city services
- Wi-Fi hotspots
- Digital advertising

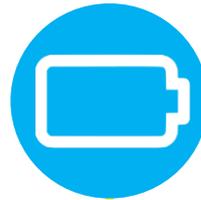


## New York City

- 7,500 kiosks planned to replace payphones
- Device charging
- Wi-Fi hotspots
- Built-in tablet to access city services
- Phone calls and emergency services
- Digital advertising



# Solar Benches



## Charging Station

Provide solar charging for multiple devices



## Data Usage

Data collected by the sensors can be used to better manage design, way finding & maintenance



## Sensors and Public Wi-Fi

Benches can include sensors such as pedestrian counters and Wi-Fi hotspots

# Drones



- Three drones for use by the San Antonio Fire Department
- Drones will assist with:
  - Search and rescue operations
  - Hazardous materials events
  - High water rescues
  - Arson investigations

# Additional Projects



## Illegal Dumping Cameras

Piloted at 10 locations throughout the City to assist with illegal dumping enforcement



## LED Streetlight

Add over 1,100 LED streetlights in District 5

# Recognition



Selected as one of ten cities to participate in the Envision America workshop



Partnered with VIA, SWRI, Alamo Area MPO, and Texas Transportation Institute to be named a proving ground for automated vehicles



Selected to serve on the Smart Cities Connect Advisory Committee

# Smart City Readiness Workshop

- **March 21:** Partnering with Smart Cities Council to host a day-long Smart City Community Workshop & Strategy Session
- Over 80 participants from public, private, and non-profit sectors
- The workshop will focus on:
  - Shared smart cities knowledge – frameworks, principles, case studies
  - Baseline city assessment
  - Review of existing smart cities strategy
  - Action planning for next phase of smart cities strategy
  - Leadership development for next phase of smart cities strategy

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