

FPUA
COMMUNITY PROUD

Smart City

Downtown Initiative

Smart Kiosk

❑ Kiosk

- Double Screen, 55", 4 Cameras, Wi-Fi, 9mm Glass thickness (Safety Vandal; Glass "Baseball Bat proof") Polarized Sunglass viewable

❑ Features

- Help Button, Pedestrian/Vehicle Traffic Analytics, Wayfinding Map Development
- Content Management Software
 - Fully Interactive, Event Scheduling, Ad Scheduling, Emergency Alerts, embed pages for Transportation, touch analytics

❑ Key Benefits

- Financial Structure
 - Revenue Sharing Model
- Public Engagement & Safety
- Public Wi-Fi/ FPUA Network Showcase
- City/Utility IoT Partnership
- Evolving Revenue Generation Capabilities



Smart Kiosk Capabilities

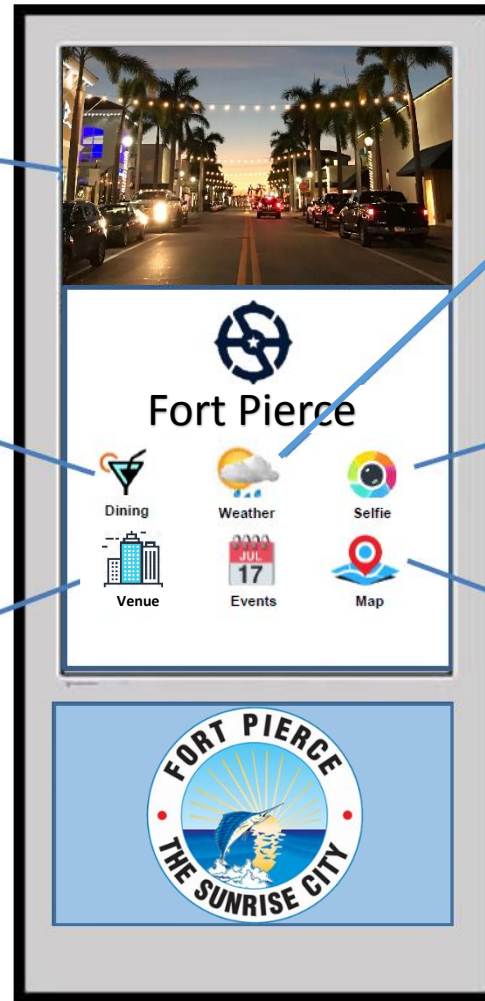
Revenue Creation

- Advertising
- Virtual Concerts
- Wi-Fi Monetization
- Traffic Analytics
- Environmental Analytics



Security

- Surveillance Cameras
- Gun Shot Detection
- Venue Announcements
- Public Safety Alerts



Information

- Weather forecast
- RSS Announcement Feeds
- Calendar of Events



Entertainment

- Selfies
- Venue Events
- Gaming
- Wi-Fi



Wayfinding

- Dock locator
- Restaurants
- Retail Shops
- 3D Navigation

Artificial Intelligence

- Foot Traffic Analysis
- Visitor Data Capture (Gender, Age)
- System Support Monitoring

Touchless & 3D Wayfinding

Touchless Access!

- QR Code scanning for Kiosk menu access & Wayfinding



Wayfinding!

- Harbor Map
- Restaurant locations
- Nearby attractions
- Directions sent to smart phone Tel# or by QR scan

- Geo coded maps
- Google Maps
- Wi-Fi beacons



Smart Pole



Lighting Control

Photocell Control, 0-100% Dimming, On-Demand Light Levels



Wireless Mesh Transceiver

Web Based Wireless Control, Dual 2.4 GHZS Radios



Wi-Fi System

(4) Concealed Wi-Fi antennas to provide public Wi-Fi (Wi-Fi AP Concealed Pole Base)



RGBA Notification

Indicator Light (Red, Green, Blue, Amber)



Controlled Receptacle

Holiday Lighting, Vendor Carts



Concealed Placement Speaker (CPS)

Music, Alerts, Announcements

Key Benefits

- Public Engagement
 - Holidays, Local Events, City Announcements
- Public Safety
 - Early Warnings, Flashing Location Indicators, Evacuation Announcements
- Public Wi-Fi/ FPUA Network Showcase
- City/Utility IoT Partnership





Kiosk / Ad Revenue Sharing Model

Four Kiosks \$80k cost

- Includes Kiosk Installation
 - FPUA will provide Fiber Connectivity, Power
 - City of Fort Pierce will provide the permitting
 - FNC will provide Basic Help Button & Wayfinding Map Integration App Software
 - FNC will provide Ad content, Network Monitoring, Software Updates and Kiosk Maintenance / Damage
 - FPUA/City will be allotted a percentage of free marketing space on Kiosk

Projected Ad Revenue due to locations

- Data taken from the 2010 Census
 - Year 1 Take Rate: 50% - 100% (\$100k - \$200k)
 - FPUA / City - \$20k - \$40k (20% Share)
 - Year 2 & 3: 50% - 100% (\$100k - \$200k)
 - FPUA / City - \$30k - \$60K (30% Share)

Potential Investment Revenue estimate for first 3 years

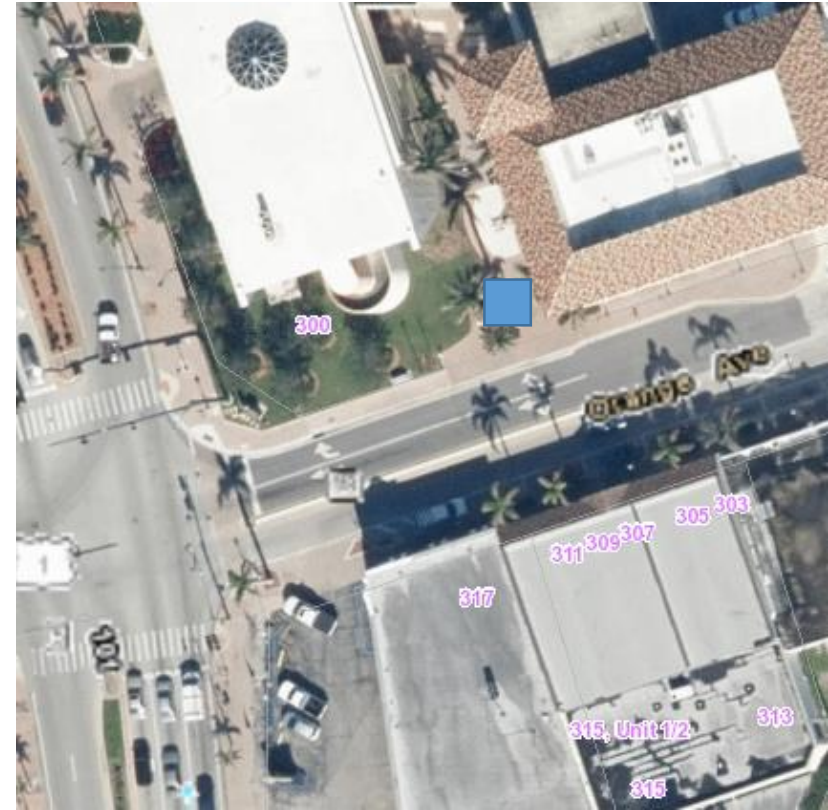
- Revenue Range \$80k-\$160k

Smart Device Locations

Marina Square



City Hall / Parking Garage

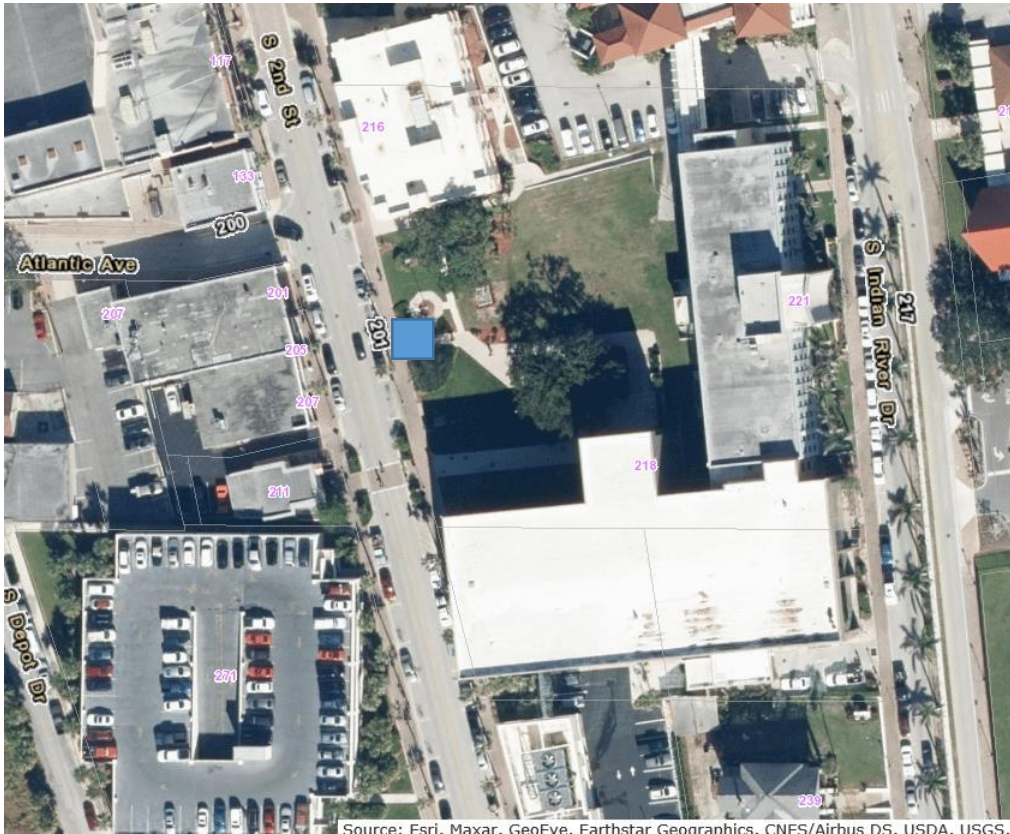


● Smart Pole

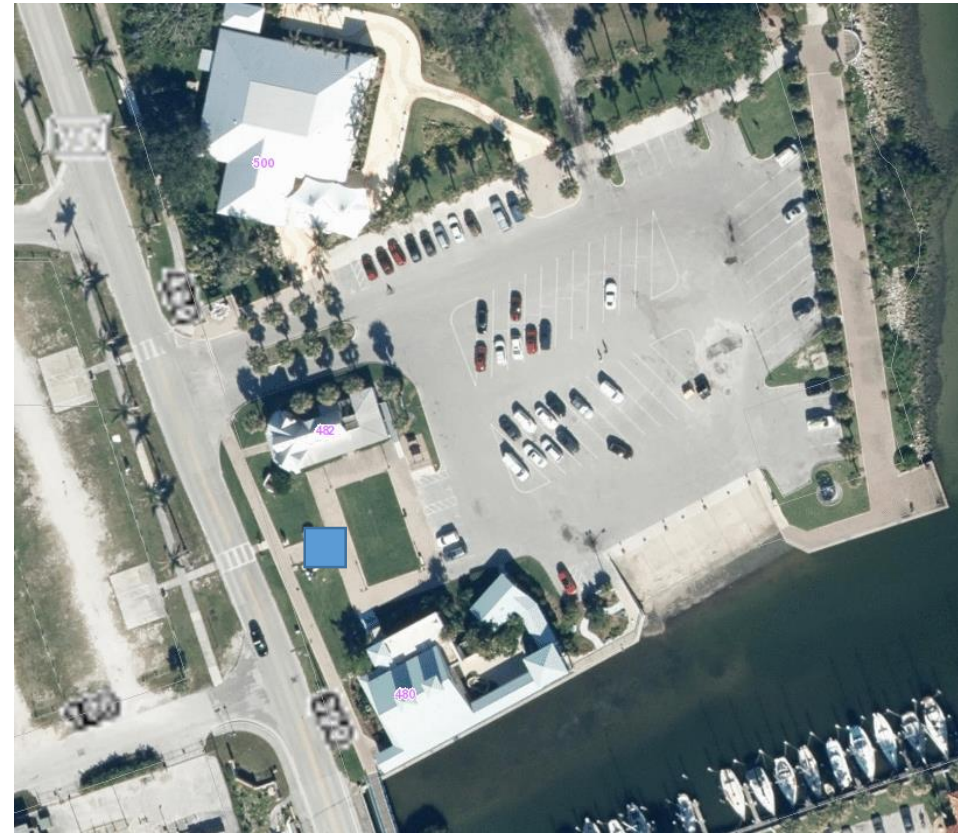
■ Smart Kiosk

Smart Device Locations

SLC Court House

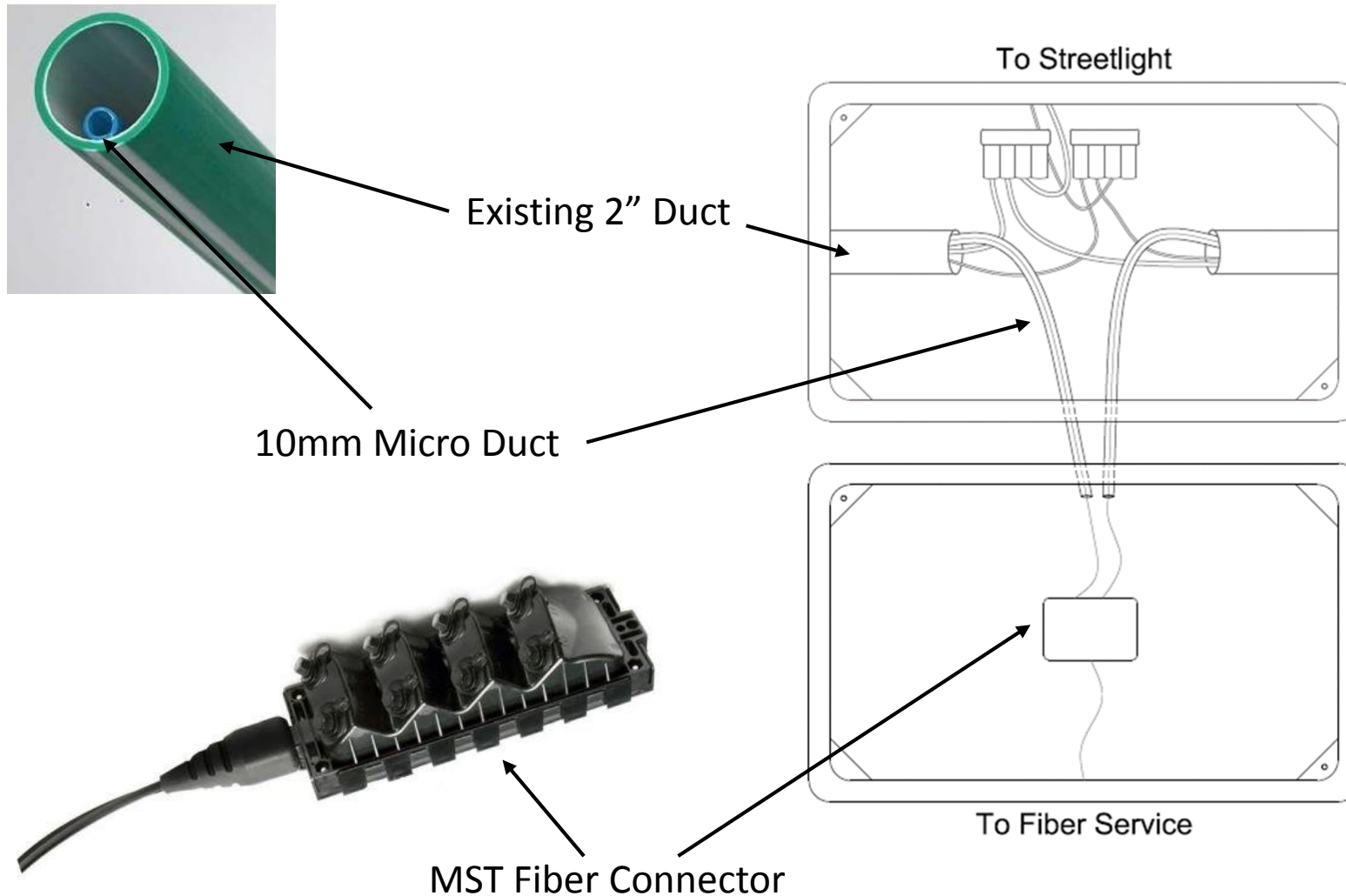


Manatee Center / Seven Gables



■ Smart Kiosk

Utilize Street Light Conduit



Steps To Install

- Pull Out SL Conductor
- Install 10mm Micro Duct with new SL Conductor
- Install Fiber HH next to SL HH
- Install Micro Duct between HH
- Install Fiber Cable

Estimated Cost Per Ft \$4



Preliminary Budget

<input type="checkbox"/> 4 Smart Kiosk	\$80k
<input type="checkbox"/> 4 Smart Poles Marina Square & Ave A	\$80k
<input type="checkbox"/> Software Licensing & Bandwidth 3 years	\$20k
<input type="checkbox"/> Additional Fiber Infrastructure	\$70k
Total Budget	\$250k