# Smart Communities built with Verizon

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# One Verizon:
## One Architecture
## One Network

Large amount of cost is in trenching/truck rolls versus smart technologies

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City risk is in system implementation, integration of ecosystem

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Verizon offers security with network & with management of data / regulatory requirements

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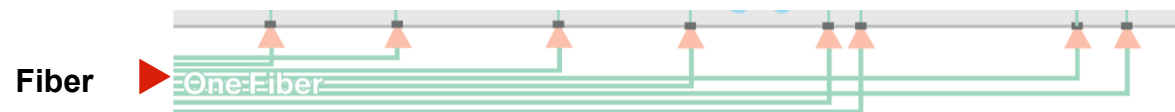ThingSpace provides holistic integration of ecosystem

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Mobile Apps create positive citizen engagement

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SC Managed Services ▶

Prof Serv/SI ▶

Contracts ▶

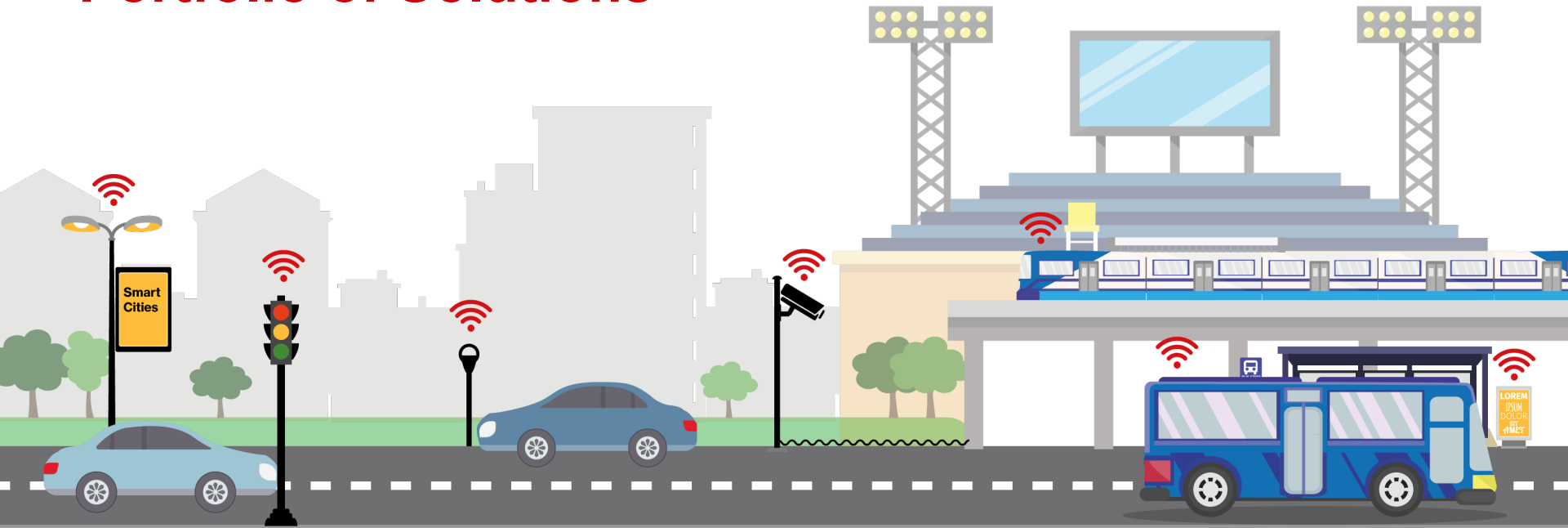Reg & Data Mgmt ▶

5G ▶

4G ▶

Smart Nodes & Sensors ▶

Small Cells ▶

Fiber ▶

# Portfolio of Solutions



## Smart Communities Platform
One Network | ThingSpace | Ecosystem | Security | Citizen Experience

**Intelligent Lighting**

- LED lighting
- Digital signage and audio
- Embedded sensors
- Energy analytics

**Intelligent Video**

- Relevant actionable video
- Advanced edge-based analytics
- Proactive notifications
- Edge storage and compression
- Video management system

**Intelligent Traffic Management**

- Performance metrics
- Adaptive signal control
- Travel time/road speed
- Origin/destination

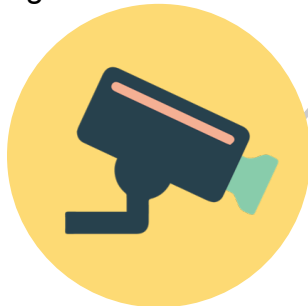**verizon**

# Vision Zero PoC

## Massachusetts Avenue

Injuries: 19 Pedestrians, 22 Bicyclists, 31 Motorists; Fatalities: 1 Bicyclist, 1 Motorist*



Intelligent Traffic Mgt.

Intelligent Lighting

Intelligent Video

With ThingSpace
Measure, Model, and
Design Experiments

Redesign Streetscapes
to achieve Vision Zero

*Count based on 2/15 – 2/16 data from
http://app01.cityofboston.gov/VisionZero/

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# Smart Communities Benefits

**With the Smart Communities platform, you get automated reporting, analytics and the ability to share actionable data.**

- Increase citizens' engagement within their communities.

- Create efficient and economical environments.

- Safeguard citizens, personnel, data and infrastructures.

- Reduce traffic congestion and improve road safety.



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# Thank you.

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