

# Smart City Roadmap 2.0 Approach

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Smart Cities and Service Improvement Committee  
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# Overview: Smart City Roadmap 2.0

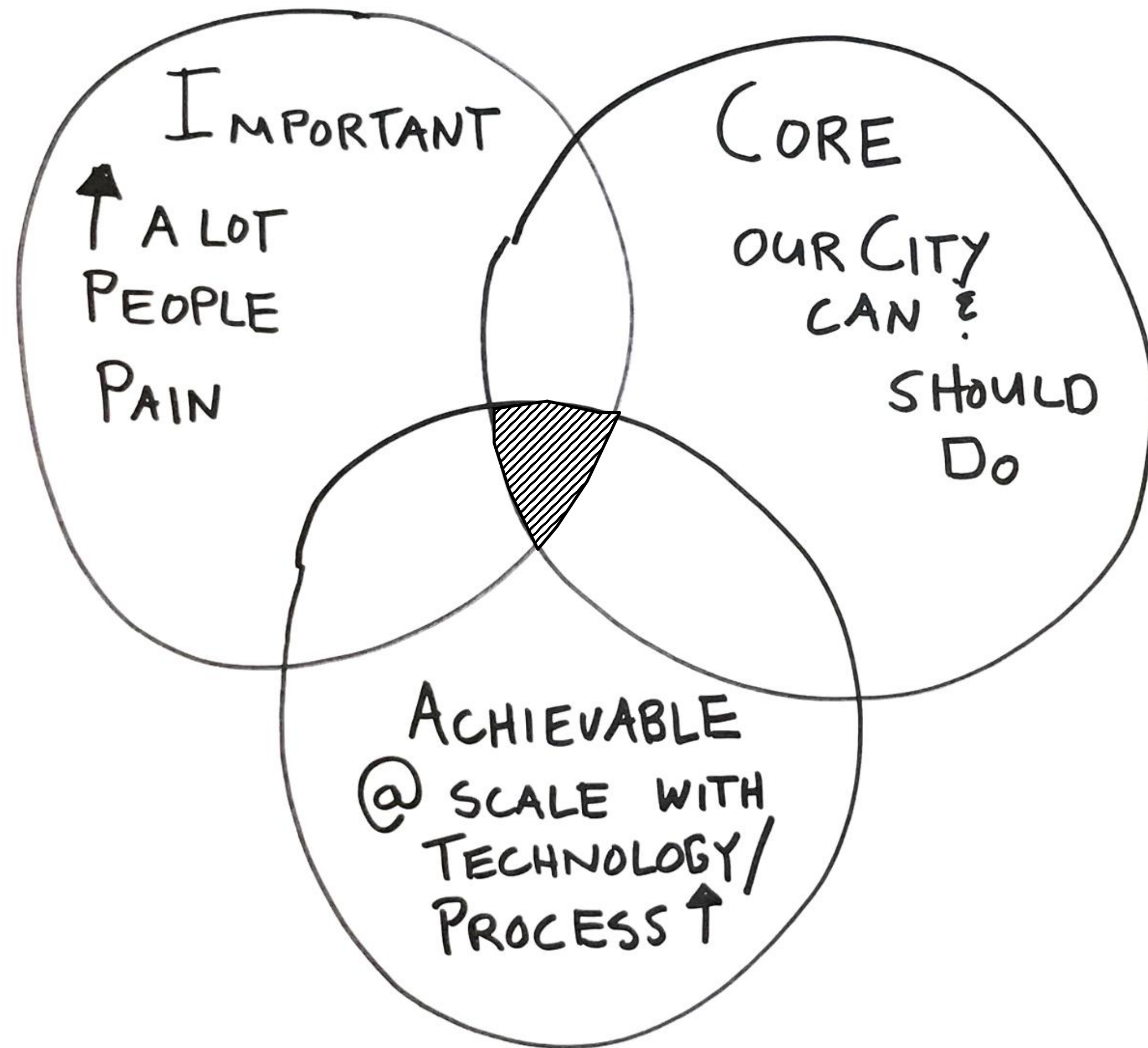
## Innovation Roadmap 1.0 (2017)

Process Improvement	Talent Recruitment Initiative	Development Services			
Digital Front Door	My San Jose	Website Redesign			
Smart City Infrastructure	Digital Inclusion & Broadband Strategy	LED streetlights/ anyCOMM pilot	IoT Strategy		
Demo Projects	Facebook Terragraph WiFi	Access Eastside	Silver Spring Networks	Demonstration Policy	
IT Brilliant at the Basics	Citywide Data Architecture	Business Process Automation	Business Tax System	Integrated Permitting System	
Transportation	Autonomous Vehicle RFI	Transportation Events Tracking	Radar Sensor Module Strategy	Vehicle Fleet Telematics	
Safe City	Safe City Strategy	Emergency Mgmt Tech/Data			
Innovation Support	Innovators Network				
<b>PRIORITIZATION</b>	Non-Negotiable Citywide Implementation	Highly Desirable Strategic Investments	Desirable Dept Investments	Demonstration Projects	Emerging Projects

## How we are evolving the Roadmap

- 1 Connecting the Vision to Implementation
- 2 Big Rocks vs Small Wonders pipeline

# WHAT we work on





# HOW we work

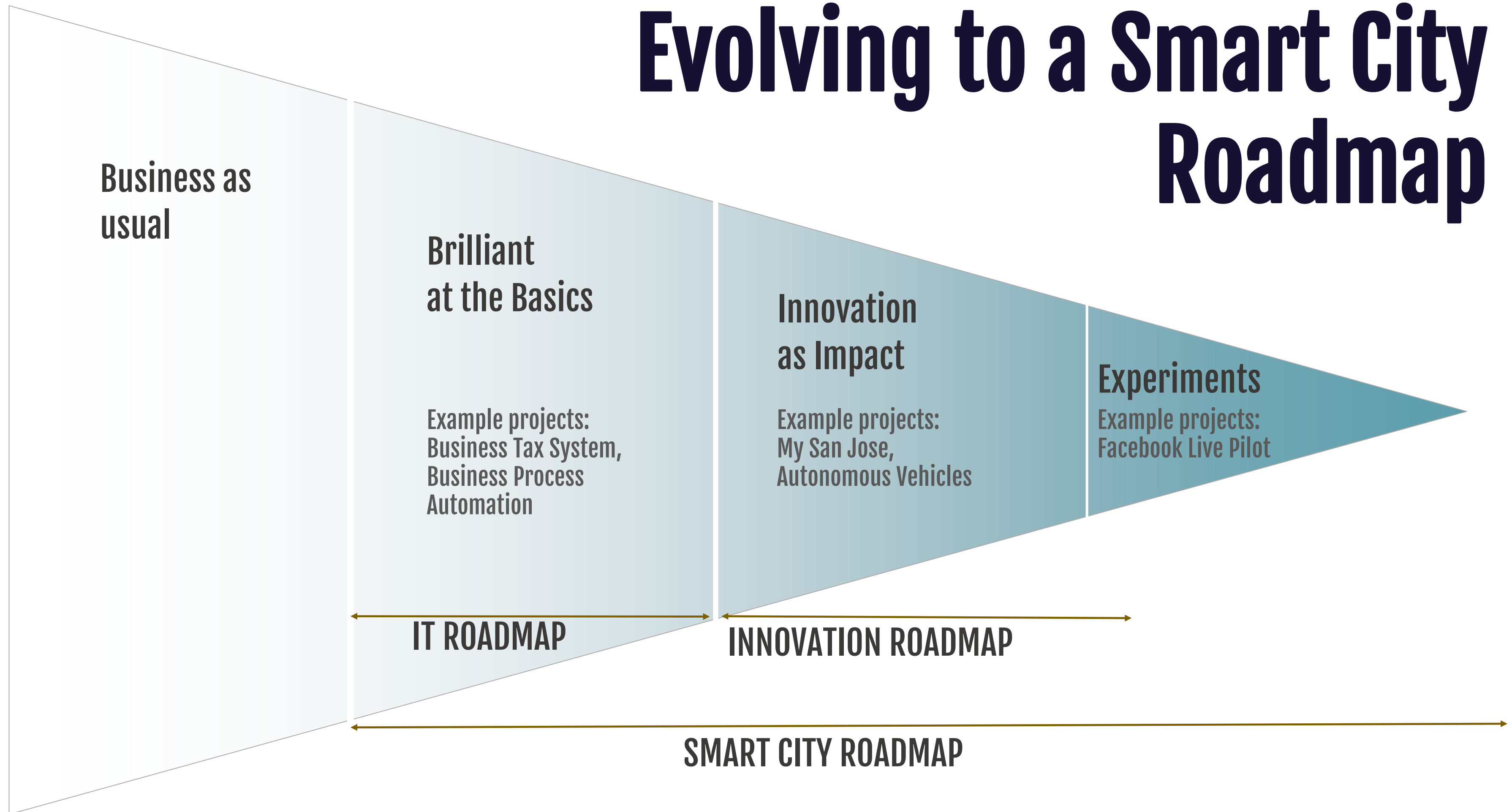
CHAMPION  
THE  
CUSTOMER

LEARN  
THROUGH  
DATA

ITERATE  
TO  
IMPROVE



# Evolving to a Smart City Roadmap



# 1 Connecting the Vision to Implementation

## Smart City Vision (2016)



- Safe
- Inclusive
- User-Friendly
- Sustainable
- Demonstration

KEY: Developed   In Process   Future

## Themes for Smart City Roadmap Implementation (2018)

### Smart Infrastructure

Broadband Strategy  
IoT Strategy  
Drone & Robotics Strategy

### User-Friendly Government

Digital Service Strategy  
Privacy Strategy  
Data Strategy  
Procurement Strategy  
Open Data Environment strategy

### Smart Mobility

EV strategy  
Autonomous Vehicles Strategy

### Equity

Digital Inclusion Strategy  
Community Wi-fi strategy  
Incubator Strategy  
Homelessness

### Safe City

Safe City Strategy  
Emergency Management Roadmap

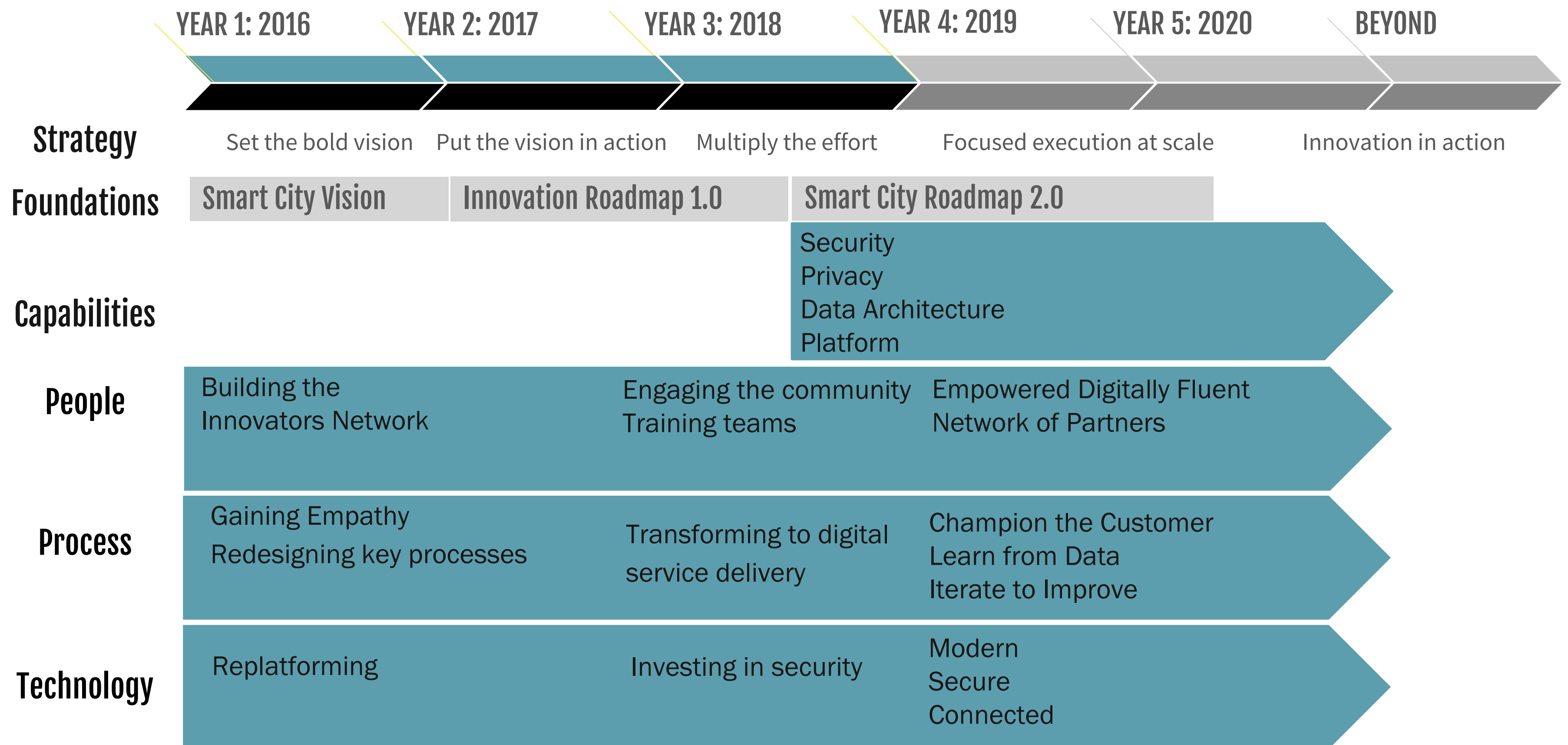
### Clean City

My San Jose 2.0

### Brilliant at the Basics

Cybersecurity strategy  
IT Strategic Plan  
IT infrastructure strategy  
Business process automation

# 1 Connecting the Vision to Implementation



## 2 Big Rocks vs. Small Wonders pipelines

“Big Rocks”

IT Brilliant at the Basics

Innovation at scale

CMO Innovation team oversees execution and collaborates with MOTI team, City departments and external partners  
MOTI collects ideas from mayor & council, community and external partners & collaborates with CMO Innovation Team

**Planning:**  
Evaluate staffing and funding needs for projects.

**Managing:**  
Provide regularly progress updates  
Prioritize new opportunities and existing projects

**Operating:**  
Assign roles and responsibilities  
Evaluate goals achieved

**Delivering:**  
Champion the customer, learn through data, iterate to improve

“Small Wonders”

Emerging opportunities

Receive partnership opportunities from leading tech companies  
Staff in city departments generate new ideas

**Conceptualizing:**  
Define the problem and discover potential solutions

**Executing:**  
Prioritize and allocate resources  
Formalize partnership

**Evaluating:**  
Evaluate & decide whether to move to main pipeline  
Celebrate success/learning



# 2 “Small Wonders” Pipeline Process

Examples

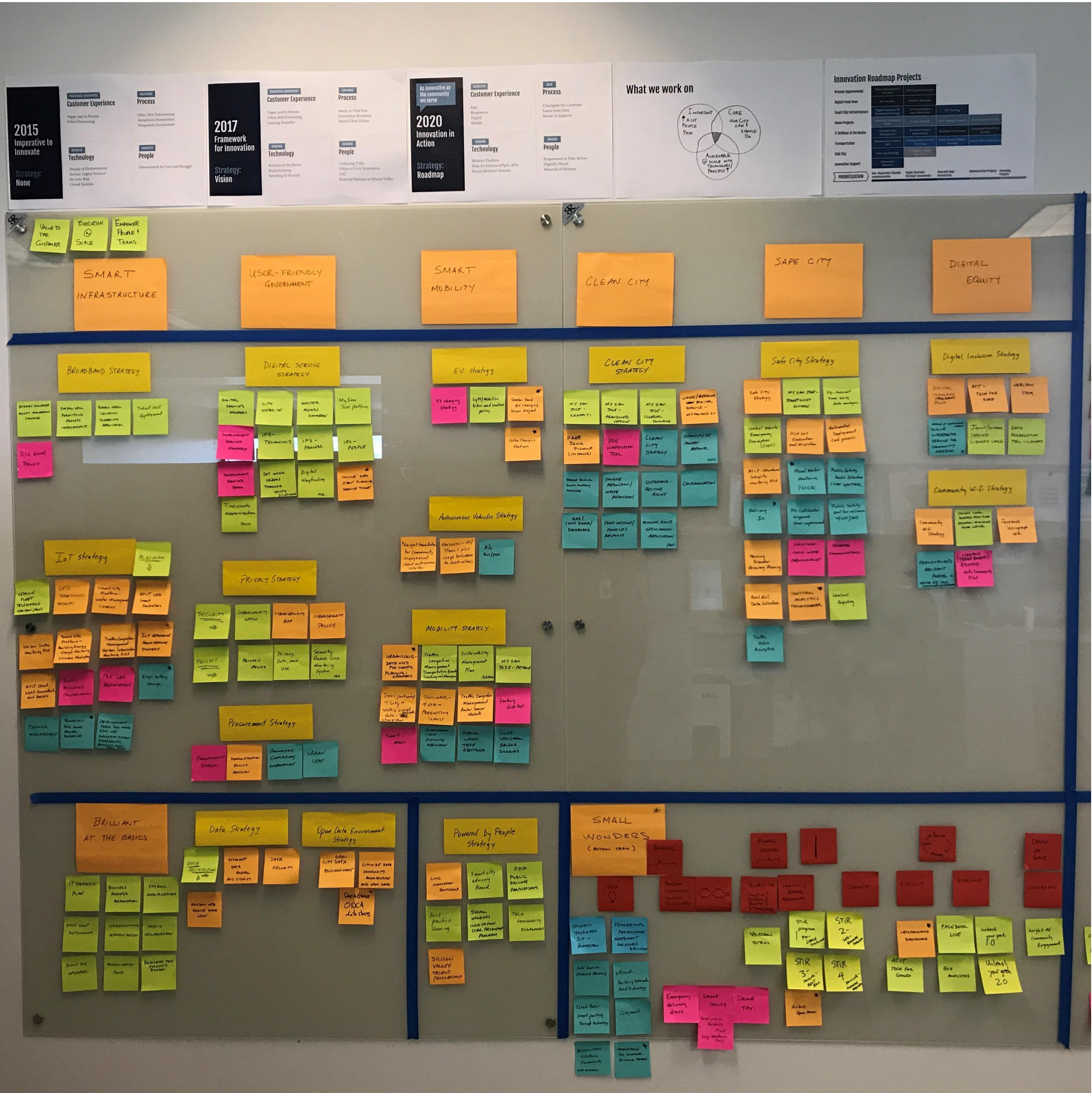
Conceptualizing			Executing			Evaluating
Idea	Discovery Review	Discovery Solution	Prioritize	Resources and Commit	Execution	Evaluate and Celebrate
Educational Performance for Access Eastside	Balcony Io	Footfall Analytics		STEM pilot	Volta Charging Stations	Facebook Live
Battery Storage				Tech for Good pilot	Urban Logiq	Box Analytics
Unleash Your Geek 3.0 – Blockchain				STIR – emergency response tool	Senter Yard EV Charging	Unleash Your Geek 1.0
Block chain for Solar Power Exchange				STIR – labor compliance tool	Neighborhood Dashboard	Unleash Your Geek 2.0
				STIR – rent stabilized database		
				STIR – streetlight banner program tool		
				AirBnB Open House		



# Smart City Roadmap 2.0 is a work in progress.

At last count, the portfolio is over 600% larger (133 projects) than the Innovation Roadmap 1.0 (22 projects)

80% Big Rocks  
20% Small Wonders





# Prioritization: Big Rocks vs. Small Wonders

		Criteria	Questions
"Big Rocks"	IT Brilliant at the Basics Innovation at scale	Important to our community	How many residents will the project impact? How much change the project will create to each resident?
		Core to what the City does	How much resource (fund, staff capacity) is needed? Is there redundancy?
		Achievable at scale	Is the problem solvable at scale using technology or process improvements?
"Small Wonders"	Emerging opportunities	Get ready for the future	Will this help the City be forward thinking for the future? Why should the City have it? <ul style="list-style-type: none"><li>• How will this new technology improve quality of life for future residents?</li><li>• How scalable is the project?</li></ul>



# Resources: Expand the Innovators Network

Fellows programs, Private Public Partnerships, Non-profits



Expand the Innovators Network



Building capacity for executing Smart City projects

## Explore Innovation Fellowship program for City employees

- Receive innovation/ leadership/ strategy development training
- Get recognition from Department leadership through performance evaluation and promotion consideration
- Expand network with cross-dept. colleagues who share the same innovative mindset

## Enhance existing programs such as Employee Suggestion Pilot Program



Future Citywide leaders with innovation mindset and experience in project management



Culturally change to embrace new innovative projects



An innovation-embracing and cooperative city brand to tech companies and the public

# Smart City Roadmap 2.0 Prototype

## Color Key

# Green

## On track

# Yellow

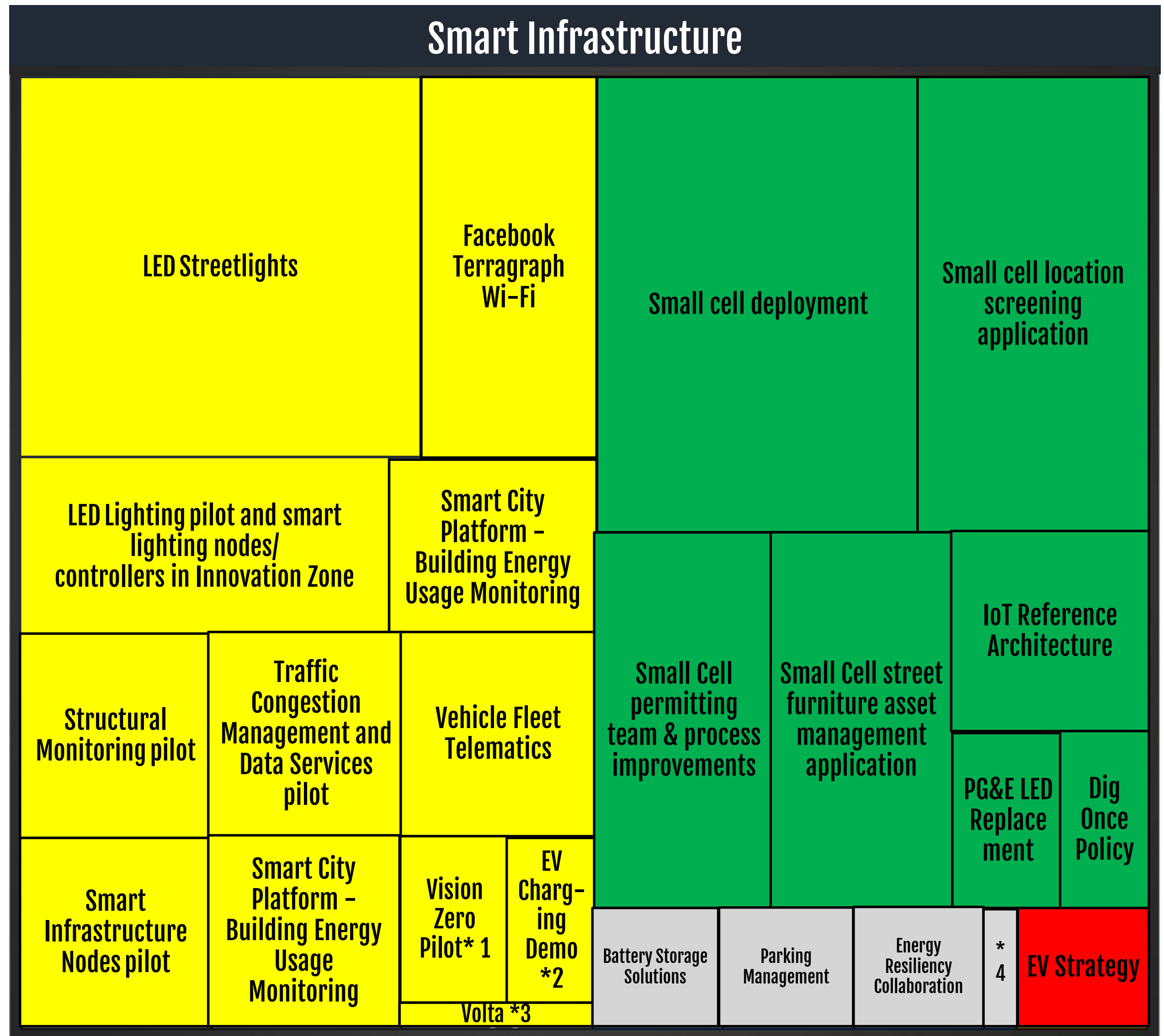
## Issues with schedule, budget or scope

# Red

## At risk, corrective actions needed

## Gray

## Backlog



## \* 1 –Vision Zero Intersection Monitoring Services Pilot

### \* 2-Senter Yard EV Charging Demonstration Project

### \* 3-Volta Charging Stations

### \* 4-Blockchain for Solar Power

# Next Steps

**Defining strategic outcomes and  
program metrics**

**Developing project prioritization  
process**



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