

E. SMART CITY INNOVATIONS [SC]

ACTION PLAN

GOAL	STRATEGIES	PARTNERS
SC-1 Implement the Dig-Once/Right-of-way Management Program.	SC-1a Create a data-driven pavement management system by tracking the date of previous construction and identifying the next needed date for repair.	City
	SC-1b Create a digital inventory of utilities found beneath streets and public right-of-ways.	City, Utility Providers
	SC-1c Work with utility companies to schedule street repairs and utility work at the same time.	City, Utility Providers
	SC-1d During construction on streets, upgrade streets to have smart technology, such as sensors.	City
	SC-1e Study the feasibility of combining street reconstruction projects with the opportunity to replace multiple residential water connections (i.e. due to deteriorating lead pipes and/or pipes threatened by tree roots). Households could be bundled, potentially lowering the cost per property if a single contractor performs the replacements.	City
	SC-1f Study the feasibility of combining street reconstruction projects with installation of a block or district geothermal system. In theory, the more households opting to participate, the more the installation and long-term costs could be lowered.	City
SC-2 Increase access to high-speed internet and cellular technologies.	SC-2a Examine internet needs in the community and determine the most effective ways to improve internet accessibility.	City, Utility Providers
	SC-2b Work with private internet providers to expand fiber-optics throughout the city.	City, Utility Providers
	SC-2c Continuously upgrade internet speeds and capabilities in public facilities such as libraries and rec centers.	City, Utility Providers

Notes:

1. Partners listed in bold are recommended to lead the implementation of that strategy.
2. For a list of partner acronyms see [Appendix A](#).

GOAL	STRATEGIES	PARTNERS
SC-3 Improve Transportation Systems using Smart Technologies.	SC-3a Use smart technology to identify and administer smart transit solutions to solve accessibility issues.	City , Smart-Tech Companies
	SC-3b Implement real time parking analytics and make parking data publicly viewable through a smart phone app.	City , Smart-Tech Companies
	SC-3c Stay abreast of evolving technology related to automated vehicles and ensuring infrastructure needs.	City , Smart-Tech Companies
SC-4 Improve municipal technology to better serve the city, residents, stakeholders, and others.	SC-4a Continue to deploy and promote online tools and open data to the maximum extent possible and become a recognized leader in sharing data in informative, easy to use, and compelling ways with the public.	City
	SC-4b Expand existing and develop new municipal online payment, permitting, and licensing systems, as well as subscription-based public notifications.	City
	SC-4c Advance City permitting, inspection, and enforcement operations through digital transformation.	City
	SC-4d Develop a formalized plan for a Data Management Strategy among City departments.	City
	SC-4e Seek accreditations and certifications for national and international standards regarding smart technology.	City , Smart-Tech Companies
	SC-4f Deploy remotely-activated LED street lights that adjust to traffic patterns.	City , Smart-Tech Companies
	SC-4g Implement a smart-metering strategy for tracking utility usage.	RG&E, Utility Providers , Smart-Tech Companies, City