## IDEAS for CLIMATE RESILIENCE in TRANSPORTATION

UNDERSTAND
THE RISKS

Understand and build upon Springfield's hazard and community vulnerability assessments Identify the degree of vulnerability and exposure to hazards your community may face, and the likely impact of that vulnerability on the services the community may expect a transportation facility to provide.

FACILITATE MOBILITY

In planning and retrofitting transportation routes, networks, and hubs, consider combined mobility (taxi/car-sharing, walking, cycling, rail) efficiency.

**DEVELOP TARGETS** 

Develop strategic measures and methodologies toward reduction targets and efficiency goals, which can result in cost savings, a reduced carbon footprint, and potential positive brand benefits.

EDUCATE STAFF Increase fuel and energy efficiency by reducing fuel consumptive habits such as idling and rapid acceleration/deceleration (e.g., create initiative schemes and reward systems for reaching targets). Maintain a regular maintenance program including maintaining tire pressure and other preventive maintenance practices, like replacing air filters.

UPGRADE THE FLEET

Integrate climate change risk into product design and fleet technology upgrades (e.g., through efficiency measures, vehicles that can accept alternative fuels, hybrid vehicles, fuel management software, regenerative breaking, etc.)

VALUE SUSTAINABILITY Develop an integrated sustainability policy with an action plan that incorporates climate change issues throughout the value chain and frames sustainable business practices as the way forward.

WORK WITH NATURE

Use Low Impact Development (LID) techniques in all parking lots, including vegetated swales, permeable pavement, etc., to capture, treat, and reduce peak flows of stormwater runoff.

REDUCE WASTE Reduce the emissions embodied in any materials used in construction and maintenance of facilities and infrastructure by purchasing locally sourced materials, using reclaimed or recycled materials and amenities. Consider LEED Silver or better certification for new constructions.