Resilient Fairfield

CIRCA Design Workshop 05/15/2023





Agenda

Project Background

Adaptation Strategies

- Green Infrastructure
- Flood Control
- Infrastructure

Next Steps

Questions







Project Background



Project Background

Flood Vulnerability



Adaptive Capacity







Existing Drainage Network



Underpass Drainage Assessment



- Unique in the downtown area
- Experiences the least severe flooding

- Significant runoff from the north of the underpass.
- Fairfield Train Station, Mill Plain Road & Ludlow Rd/Ct.
- Shares a drainage network with North Benson Rd
- Within the 500-year floodplain

- Discharges into to Ash Creek.
- Within the 100-year floodplain.

Current and Future Flooding

Precipitation Days 2012-2022



20 More days with < 1" of Precipitation by Mid-Century per Year. When the town receives ver short intense rair periods dr tems can be over Flooding **c** excerbated by high-tides storm surge events.



Adaptation Ideas







Flood Control



Infrastructure





Green Infrastructure





Stormwater Restoration





Green Infrastructure



Flood Control









Flood Control



Roadway Infrastructure









Thank You