Jaffrey Downtown Concept

PHASE 1 CONCEPTS

February 27, 2023
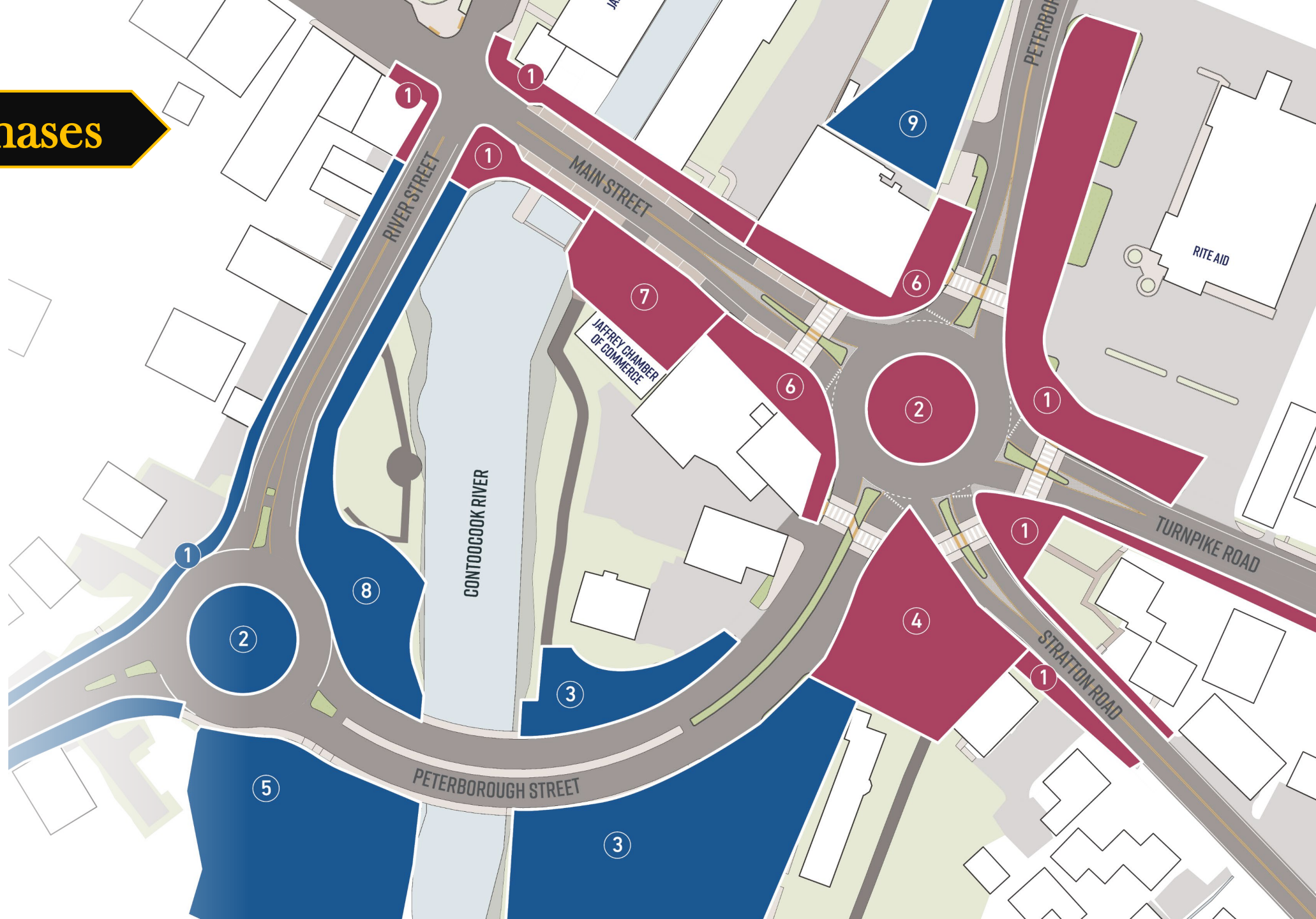
Prepared by

TOOLE DESIGN

Project Phases

Phase 1

Phase 2

RITE AID

JAFFREY CHAMBER OF COMMERCE

CONTOOCOOK RIVER

RIVER STREET

MAIN STREET

PETERBOROUGH STREET
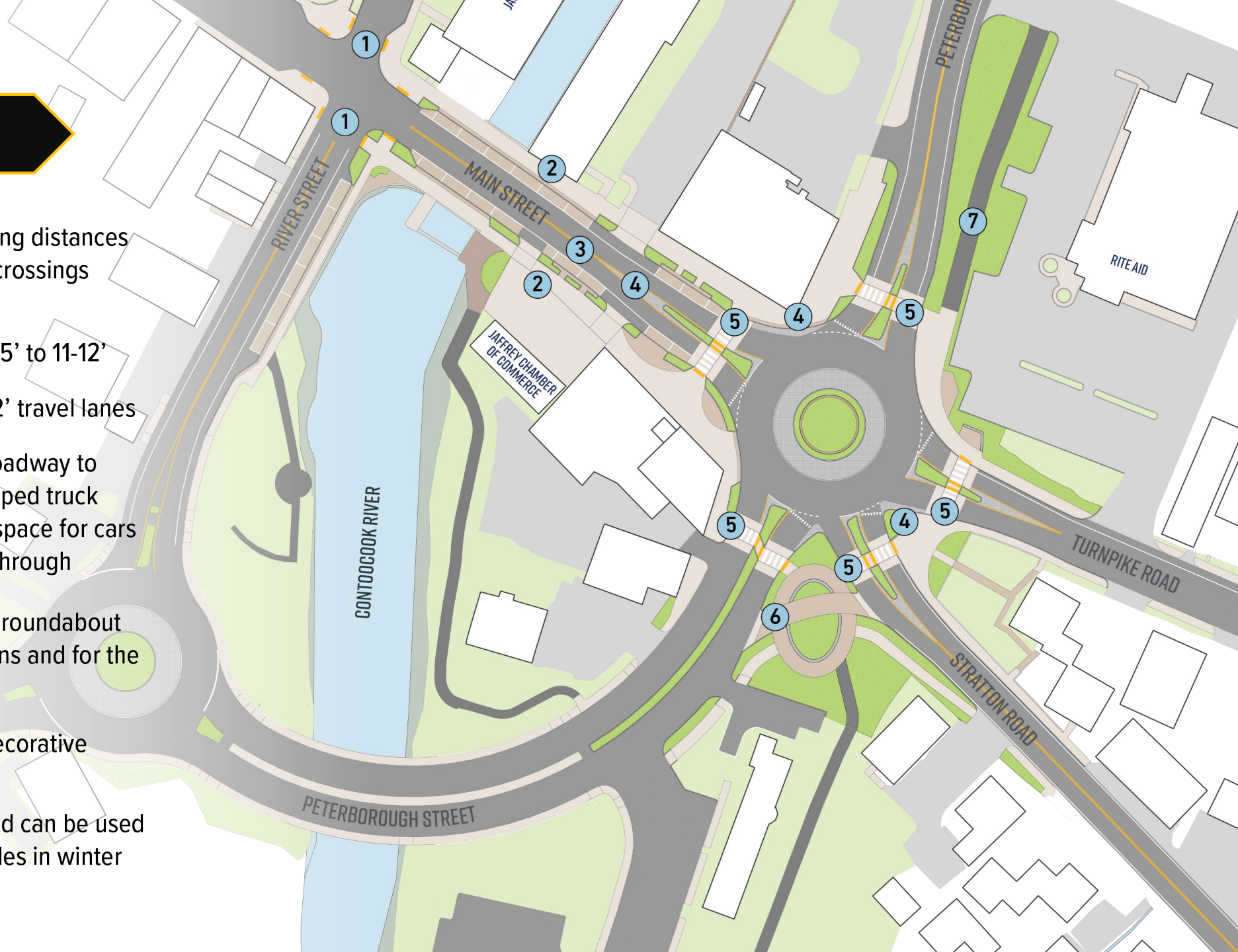
TURNPIKE ROAD

STRATTON ROAD

PETERBOR

Focus Areas

1. Roundabout
2. Main Street
3. Trailhead / Welcome Plaza
4. Trail Connection

Preferred Plan

1 Curb extensions narrow crossing distances and help provide more direct crossings around intersection

2 Sidewalks are expanded from 5' to 11-12'

3 The roadway is narrowed to 12' travel lanes

4 Cobbles are used within the roadway to define median and provide sloped truck aprons that narrow driveable space for cars while allowing large vehicles through

5 Raised crosswalks around the roundabout establish priority for pedestrians and for the shared use path/rail trail

6 A slip lane with contrasting, decorative pavement for traffic calming

7 Shared use path is 12' wide and can be used by pedestrians and snowmobiles in winter
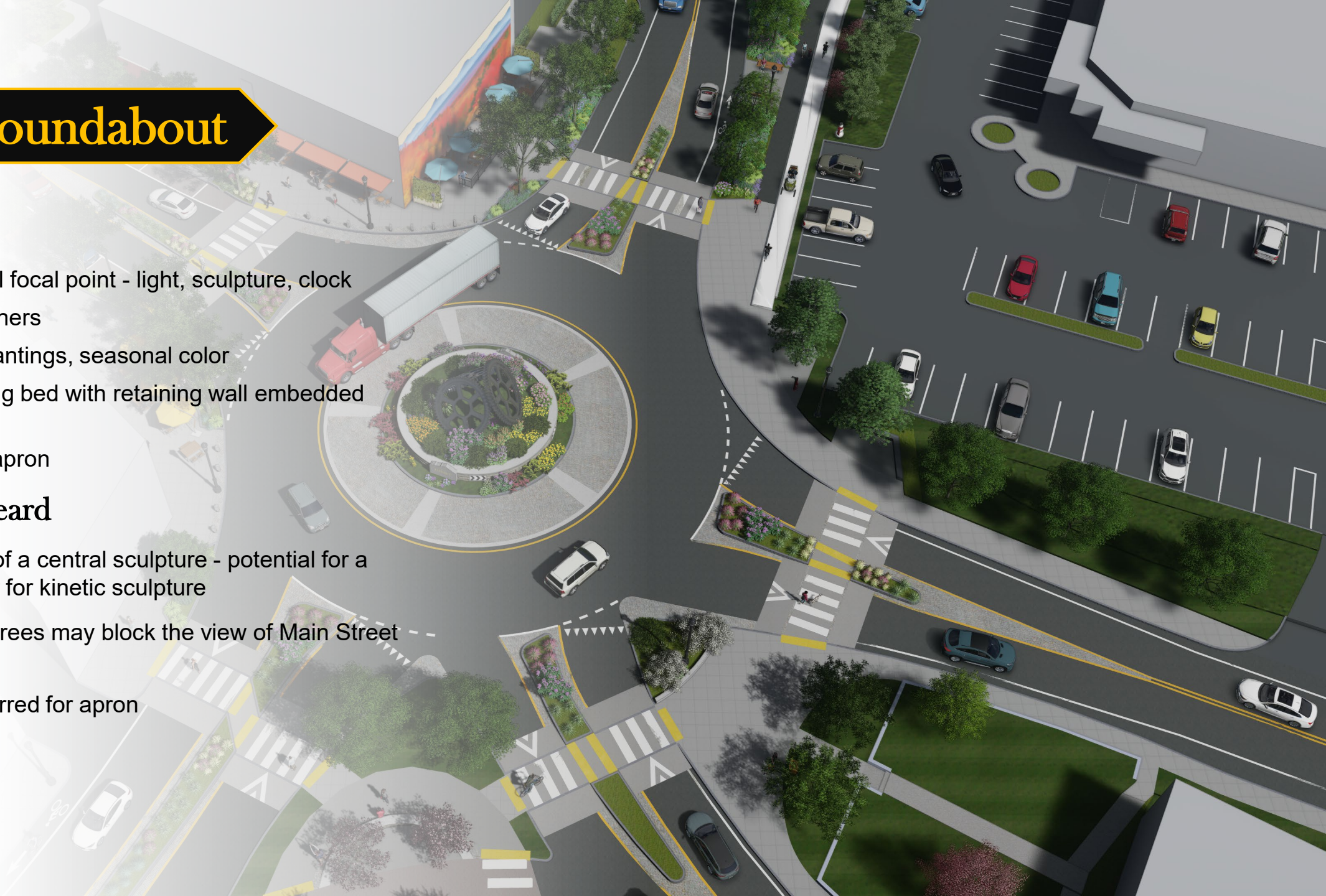
Main Roundabout

Formal

- Artistic vertical focal point - light, sculpture, clock
- Seasonal banners
- Low formal plantings, seasonal color
- Raised planting bed with retaining wall embedded signage
- Cobble truck apron

What We Heard

- Like the idea of a central sculpture - potential for a competition or for kinetic sculpture
- Concern that trees may block the view of Main Street buildings
- Cobbles preferred for apron

Main Roundabout

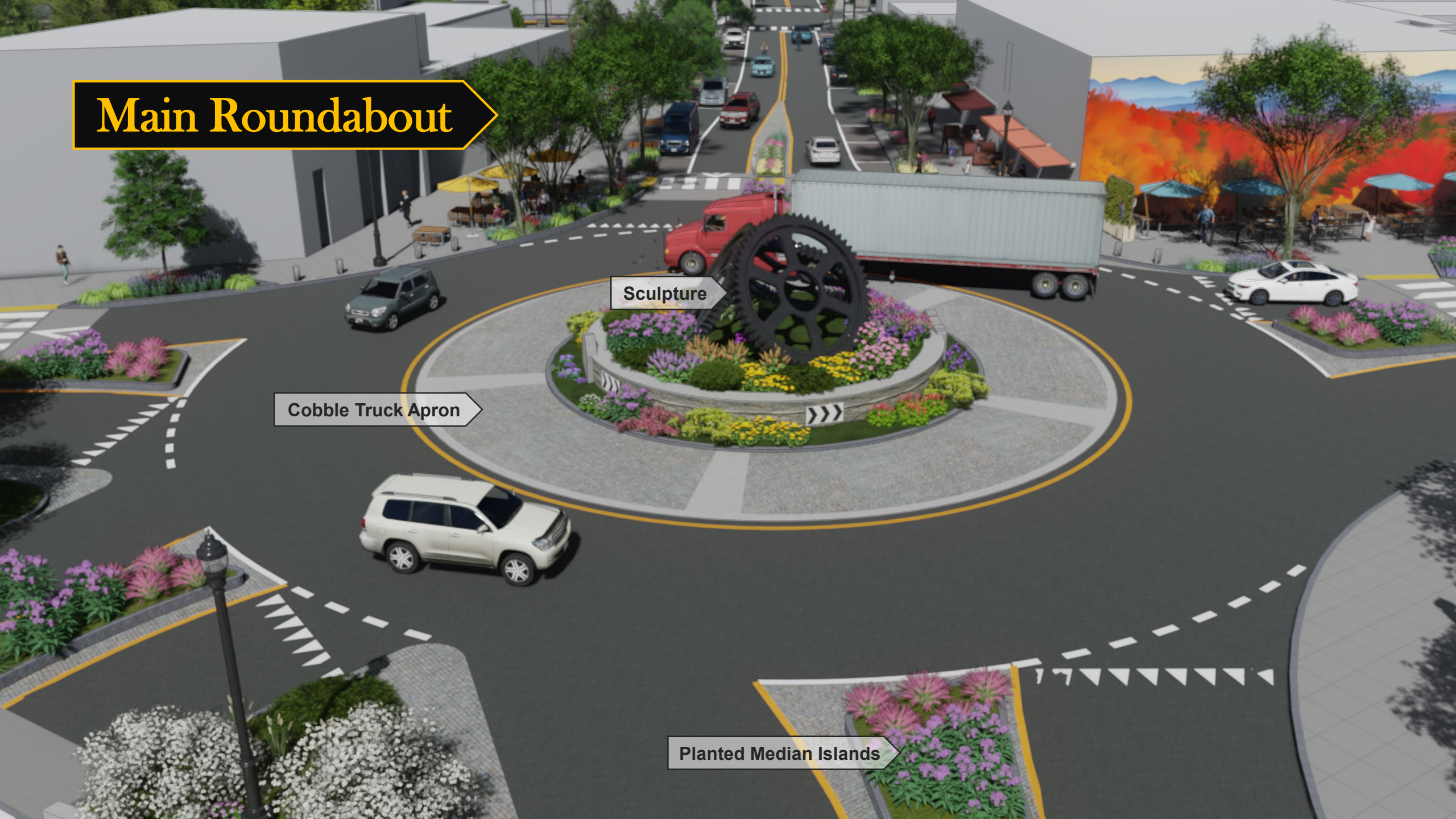Raised Crosswalks

Planted Island

Sculpture

Cobble Truck Apron

Cobble Taper Medians

Planted Median Islands

Raised Crosswalks

Main Roundabout

Sculpture

Cobble Truck Apron

Planted Median Islands

Main Roundabout

Mural

Sculpture

Outdoor Dining

Granite Gateway Signage

Welcome to
JAFFREY

Main Street

Two-Way Street, No Bike Lanes

- Remove bike lanes to prioritize walking and curbside parking for local businesses

- Widened sidewalks provide space for seating, dining, vegetation, and trees

- Sidewalks widened to 12' for most of Main Street provide a comfortable environment for walking

What We Heard

- Prefer to prioritize local business needs on Main Street with expanded sidewalk space and parking

- Lower vehicle speeds and volumes on Main Street (due to rerouted 202) will accommodate cyclists already comfortable enough to navigate a roundabout

Main Street

Ground Mural

Outdoor Dining

Overlook

Raised Crosswalk

Gateway

Green Infrastructure

4-Way Intersection

Outdoor Dining

Curb Extensions

Main Street

Street Trees

Outdoor Dining Space

Green Infrastructure

Raised Crosswalk

Main Street

Permeable Paving

Green Infrastructure

Cobble Taper Medians

Parallel Parking

Main Street

Pergola

Mural

New Overlook

Cobble Edge

Planters Along Bridge

Main Street

Pergola

Planters Along Bridge

Granite Gateway Signage

Curb Extension

Trailhead / Plaza

Shared Space

- Paved slip lane raised flush with sidewalk/park

- Covered bike parking/trailhead south of slip lane

- Raised crossings connect to park

What We Heard

- Flush slip lane maintains school bus access

- Provides possible space for shuttle stop or other space activation

- Need to provide un-plowable space for snowmobile access.

- Preserve shared parking for the Depot, short-term

Trailhead / Plaza

Raised Crosswalk

Information Kiosk

Slip Lane

Rail Trail

Shared Parking

Covered Bike Parking

Trailhead / Plaza

Covered Bike Parking

Rail Trail

Raised Crosswalk

Slip Lane

Trail Connection

Shared-use Path, Monadnock Rail Trail

- Path and sidewalk space integrated into wide shared-use path

- Wide street-side vegetated buffer provides space for green infrastructure and seating

- With potential redevelopment of Rite Aid parcel, buffer space widens into sidewalk with easement and path becomes separated bike lane.

- Half of Path will be left unplowed for snowmobile use during winter

Trail Connection

Amenity Zone

Green Infrastructure

Shared-Use Path Rail Trail

Materials

Granite Cobble

- Truck aprons medians
- Also used as edge material to delineate different spaces (e.g. divide sidewalk from furnishing)
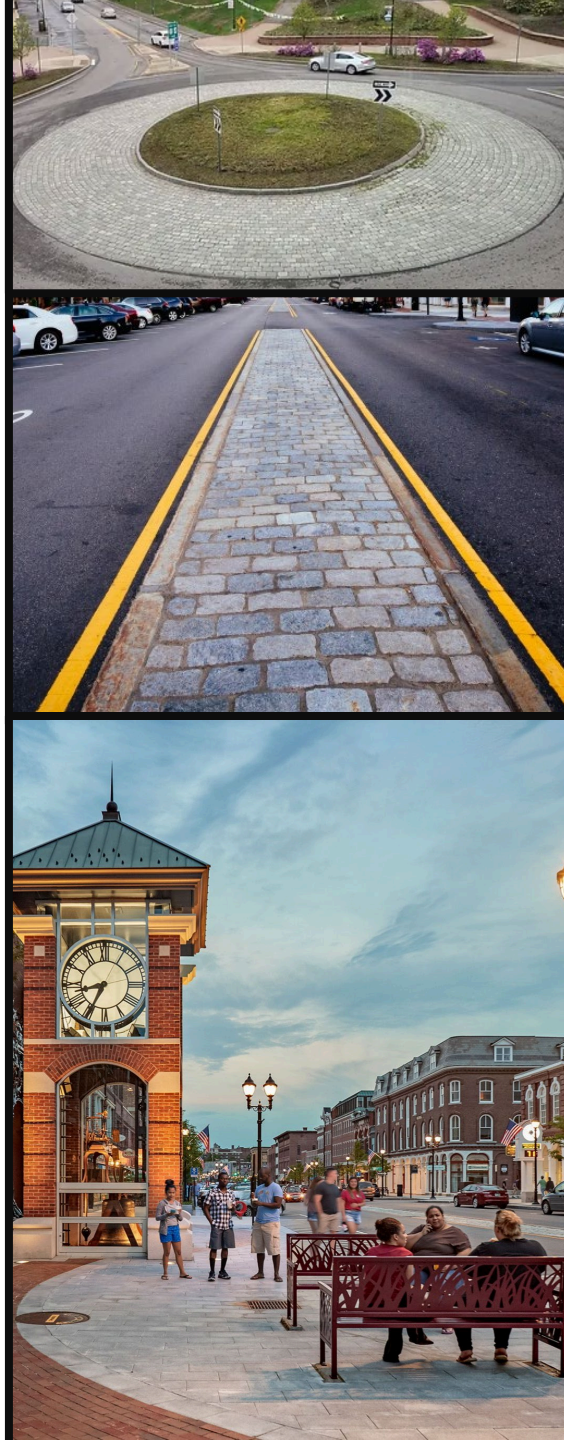
Accessible Concrete Pavers

- Furnishing zones, plaza space, and flush street
- Various paving patterns can be employed
- May be permeable as part of stormwater management

Granite

- Curbs
- Bollards
- Seating
- Edging at planting areas

Black Metal Features

- Light poles, fencing/guardrails
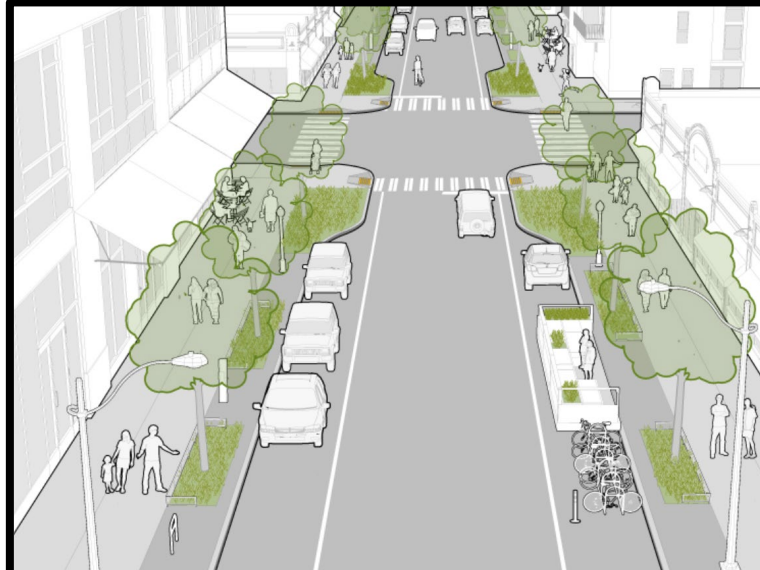- Wayfinding signs
- Bike racks

Furnishing

Furnishing Zones

Furnishing zones provide flexible space for

- street trees and green infrastructure,
- street furniture such as benches and trash bins,
- a buffer from vehicle traffic and doors
- signage

Furnishing zones to have contrasting paving strip along curb, different from the sidewalk which may include pervious pavement
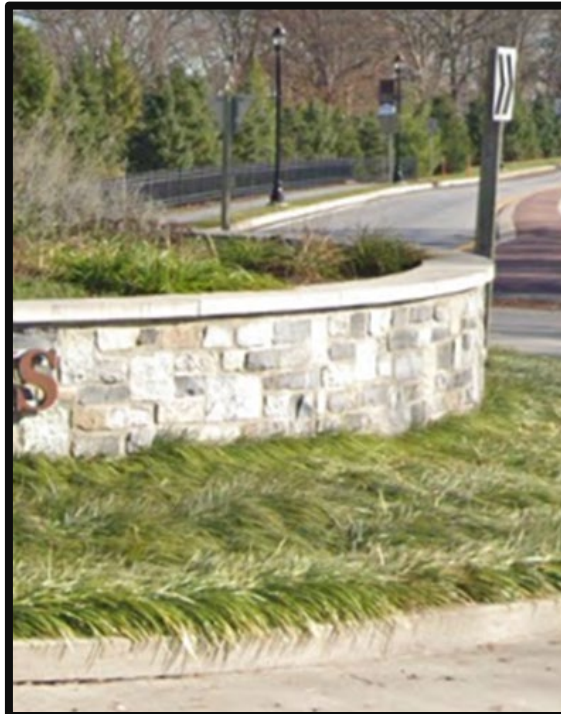
Materials

Permeable Pavers

- Parallel parking spaces adjacent to stormwater/tree pits

- In Furnishing Zones

Stamped Concrete

- Parallel parking on bridge

- Mimics the color and style of the permeable paving

- Option for roundabout truck and taper aprons

Natural Stone

- Roundabout walls, long walls (e.g. adjacent to shared-use path)

Plantings

Traffic Islands

- Low
- Native Evergreens
- Perennial/Wildflowers
- Mostly green with some color
- Large swaths of the same plant

Roundabout Islands

- Low
- Native Evergreens for year-round green
- Perennial/Wildflowers
- Large swaths of the same plant
- Top of wall could have plants hanging over

Plantings

Small Flowering Trees

Native and adaptive species to be used in open spaces, around sitting and gathering areas for accent and seasonal color.

Some species also provide pollinator and bird food and habitat.

Large Shade Trees / Street Trees

Large Shade Trees and Street Trees to be native species adapted to conditions.

Street trees to be salt and drought tolerant. A mix of species to be chosen to ensure resiliency and biodiversity to ward against single species blights.

Green Infrastructure

Green Infrastructure Strategies

Above-Ground Rainfall Capture and Management

- Urban Tree Canopy

Impervious Area Reduction

- Climate-Ready Landscape Planting

- Pervious Pavement

At-Grade Stormwater Management

- Intersection Rain Gardens

- Roundabout Rain Gardens

- Planting Strip / Street Buffer Rain Gardens

- Stormwater Planters

- Vegetated Swales

- Stormwater Curb Extensions

What is Green Infrastructure?

Green infrastructure mimics natural landscape functions to capture, slow, filter, and infiltrate stormwater runoff within urban conditions and helps to mitigate the effects of climate change.

Planting areas are designed to receive rainwater from paved surfaces so that plants and soil can filter pollutants and allow for evapotranspiration.

When well designed, green infrastructure can provide placemaking and beautification benefits that create unique places that offer nature-based discovery and learning for the community.