

Downtown Powell

Street System Planning Workshop



June 28, 2016



Agenda

- » 1 Background
- » 2 What is being done now?
- » 3 Previous Transportation Planning
- » 4 What comes next?
- » 5 Questions & Discussion



Planning & Design Team



MKSK

Planning & Urban Design

EMH&T

Civil Engineering



Transportation Engineering

Section 1 >>

Background



Why Now?

Community attitude surveys consistently cite traffic as a top community concern in Powell



Why Now?



5 of 10 Guiding Principles of the Powell Comprehensive Plan focus on Downtown, the Four Corners and Traffic Concerns



Preserve and enhance historic Downtown Powell



Improve traffic flow at the Four Corners, and also improve pedestrian mobility



Expand pedestrian and bicycle connections



Encourage mixed use, walkable development to minimize traffic impacts



Explore opportunities to expand transportation options

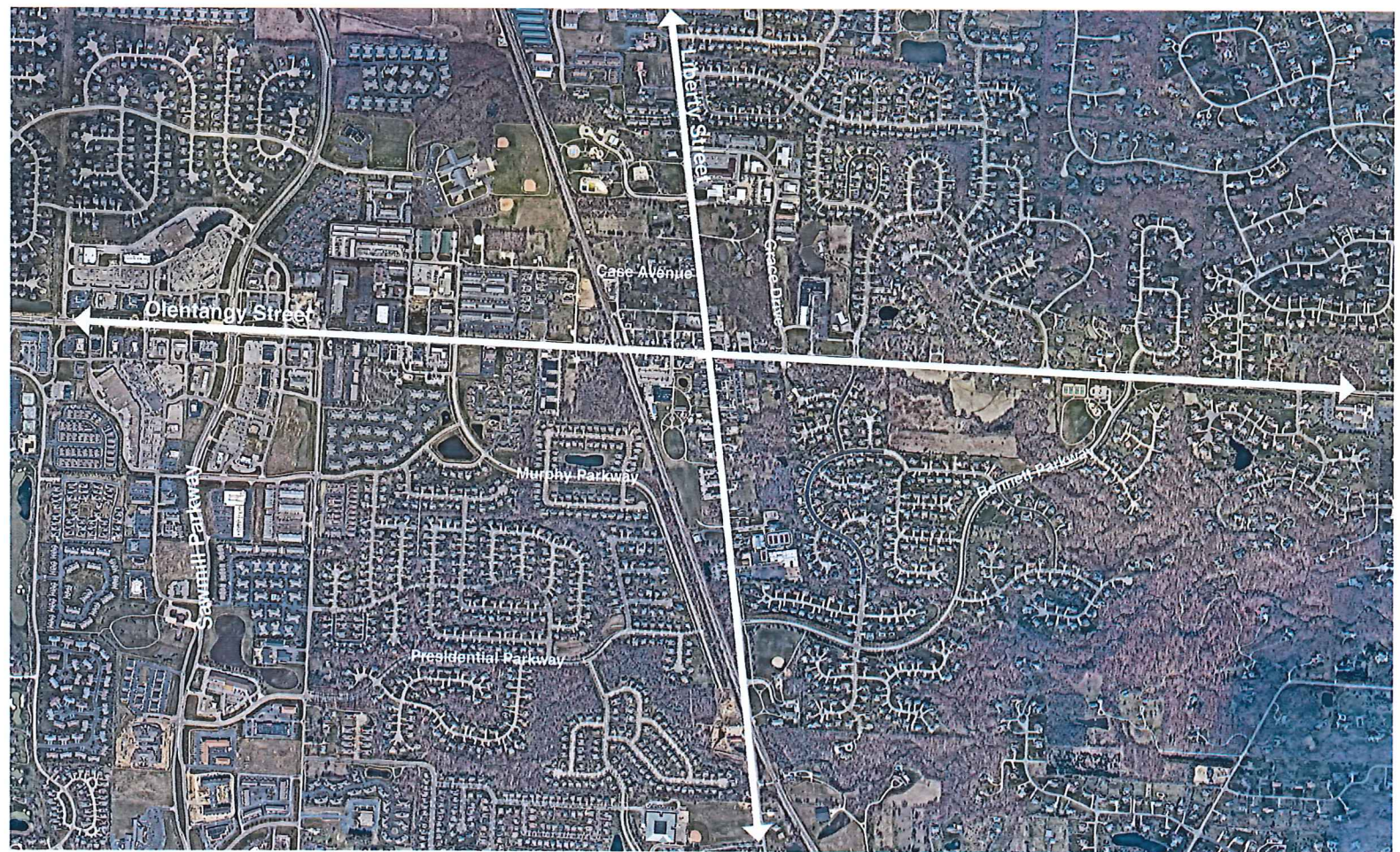
Section 2 >>

What is Being Done Now?



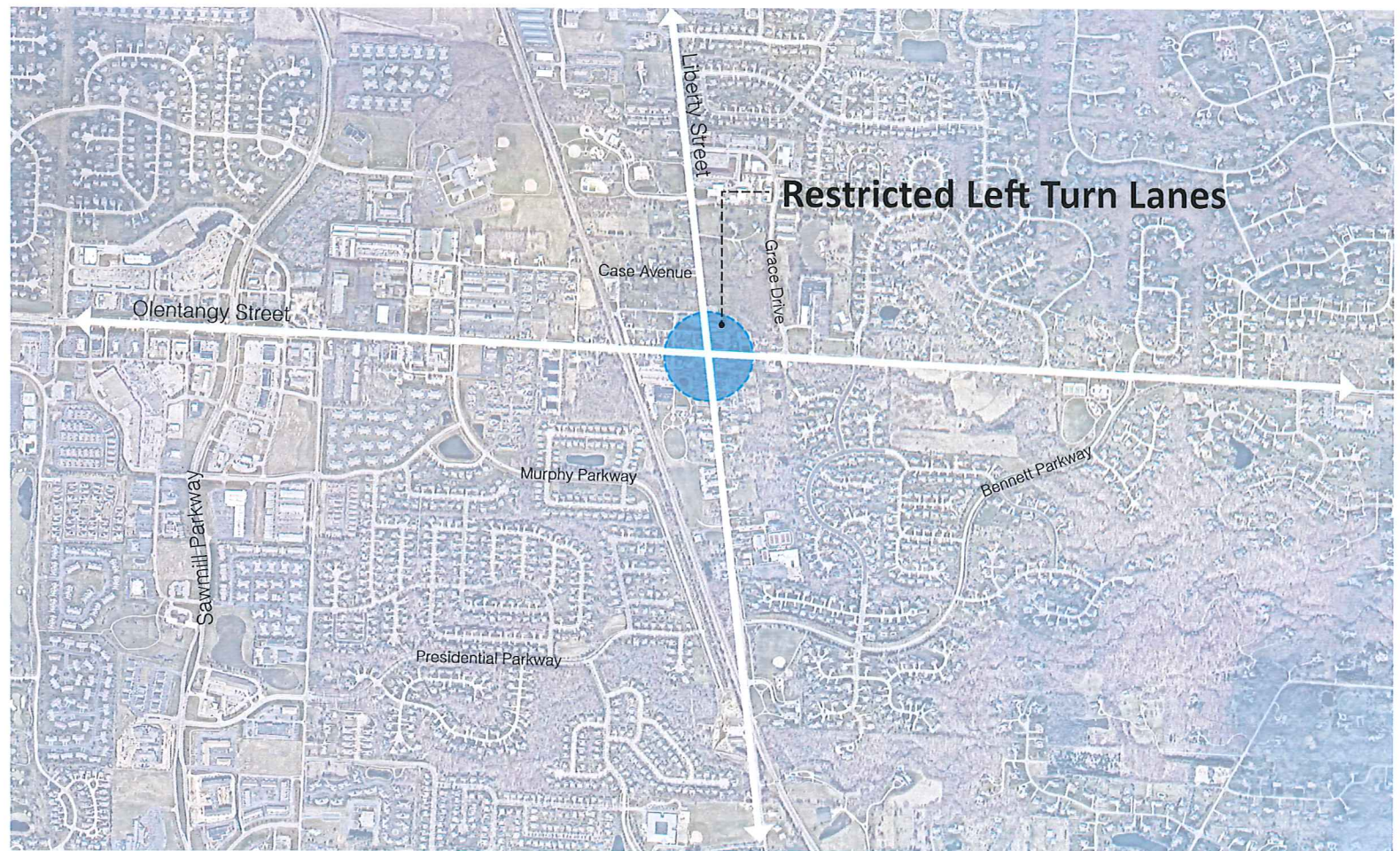
What is Being Done Now?

Downtown Powell



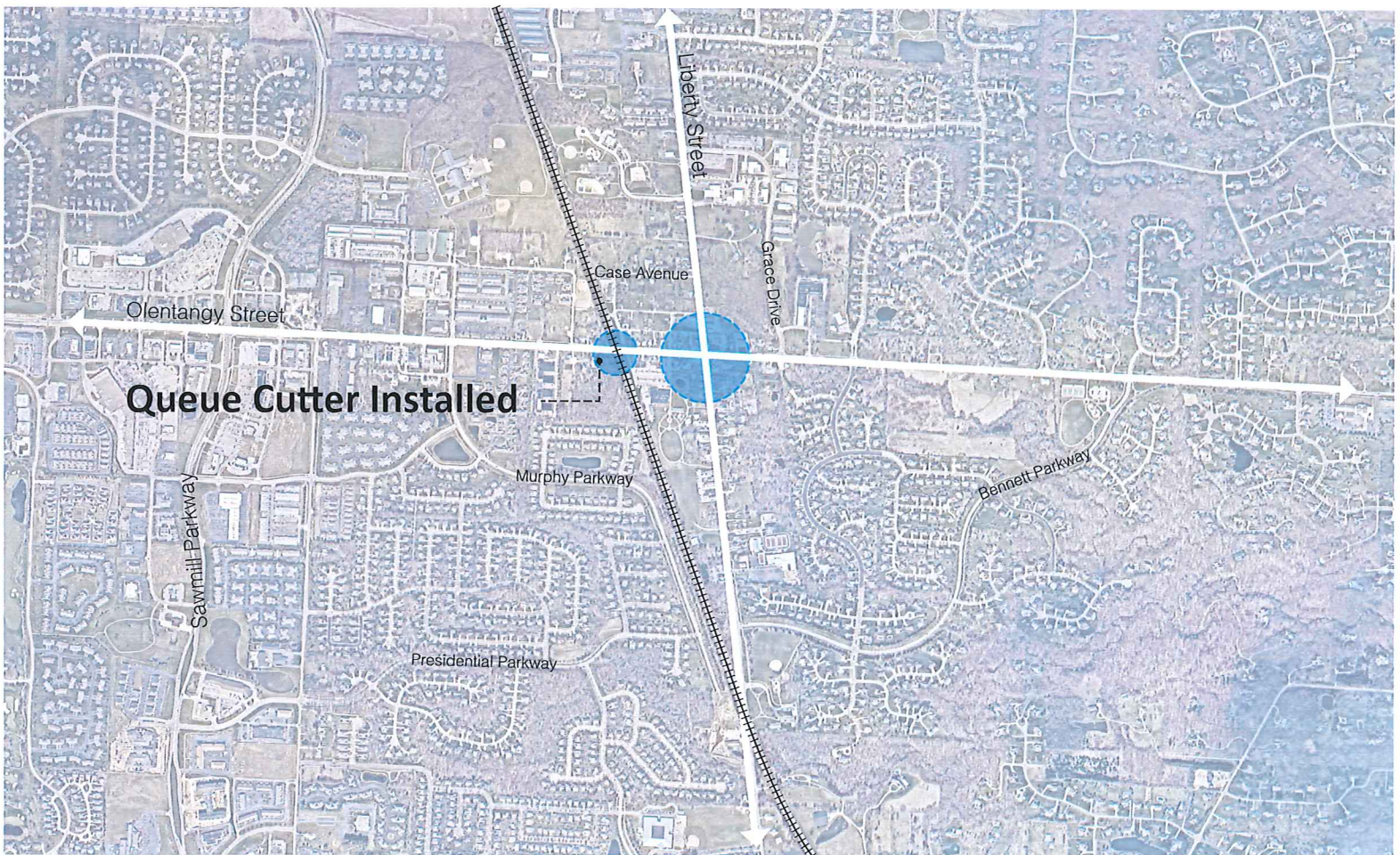
What is Being Done Now?

Four Corners



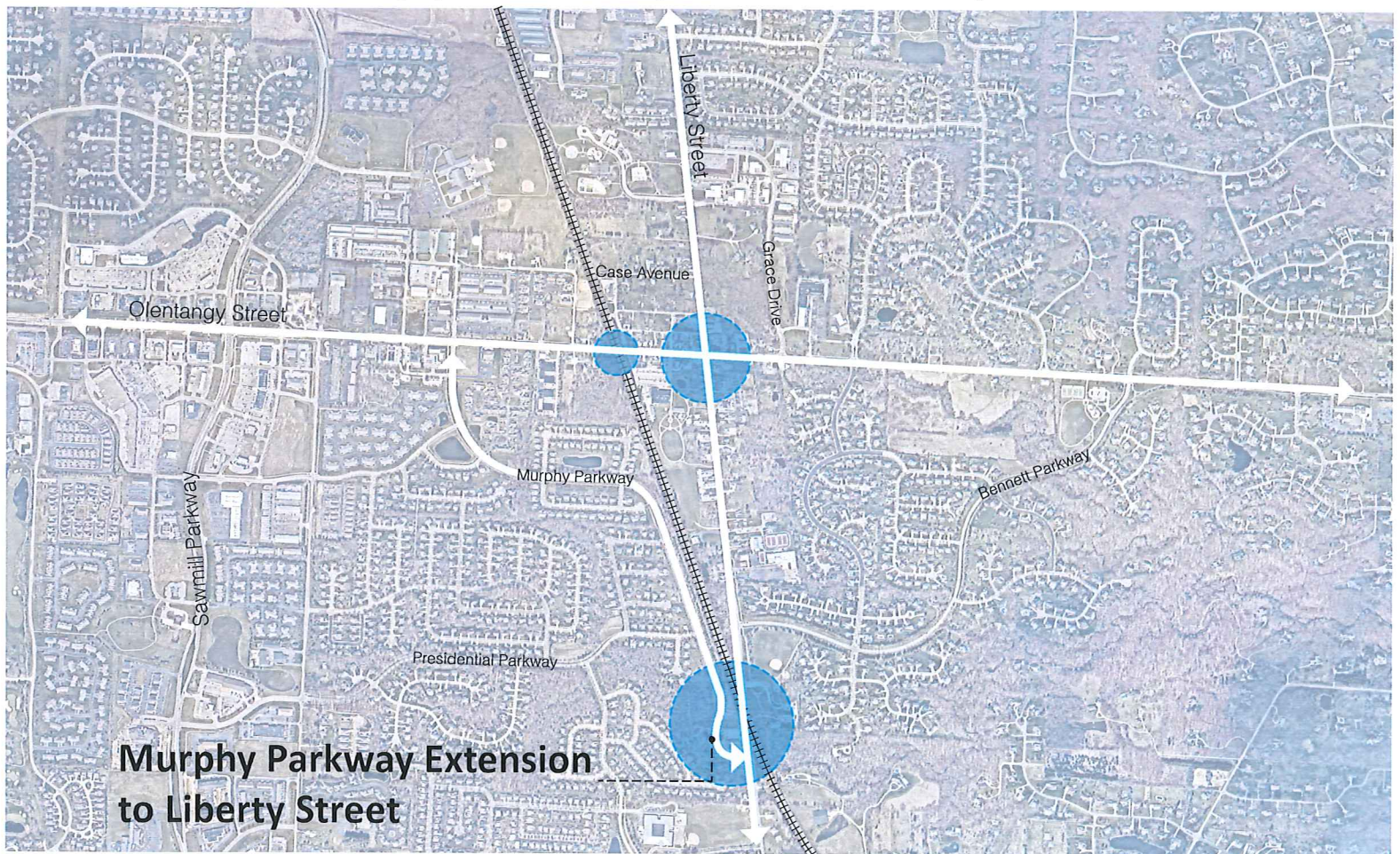
What is Being Done Now?

West Powell Road



What is Being Done Now?

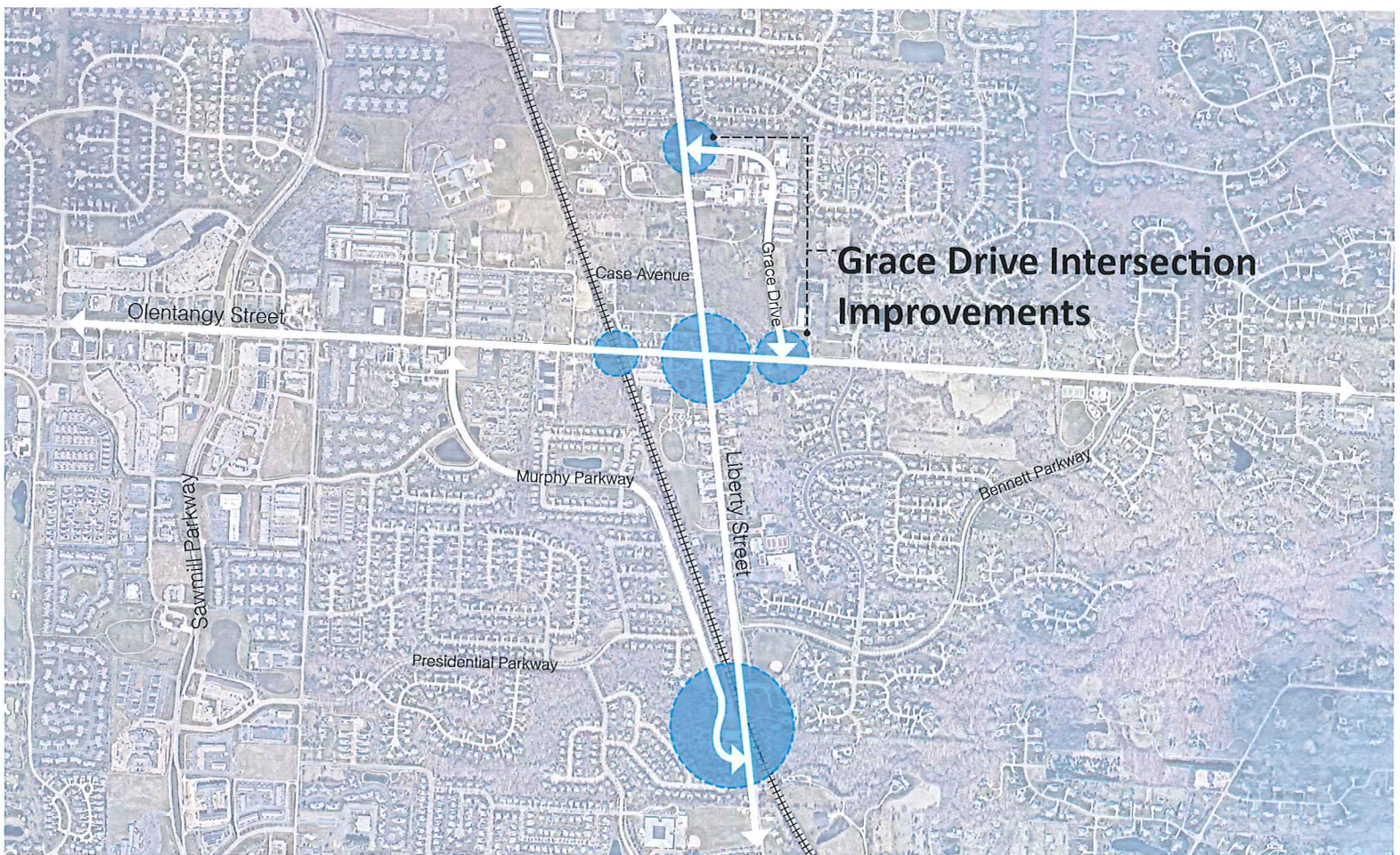
Murphy Parkway (To be Completed Fall 2016)



**Murphy Parkway Extension
to Liberty Street**

What is Being Done Now?

Grace Drive



Section 3 >>

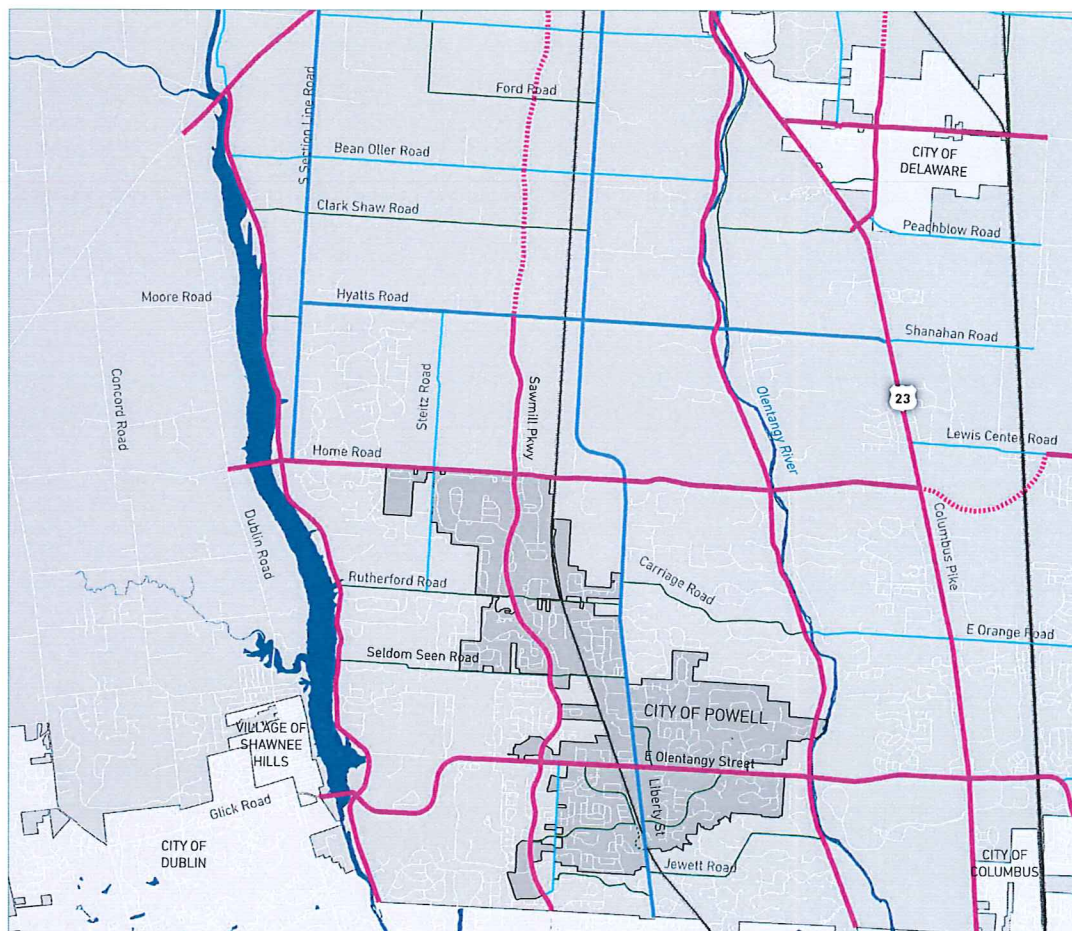
Transportation Planning

(from 2015 Comprehensive Plan)



Thoroughfare Plan

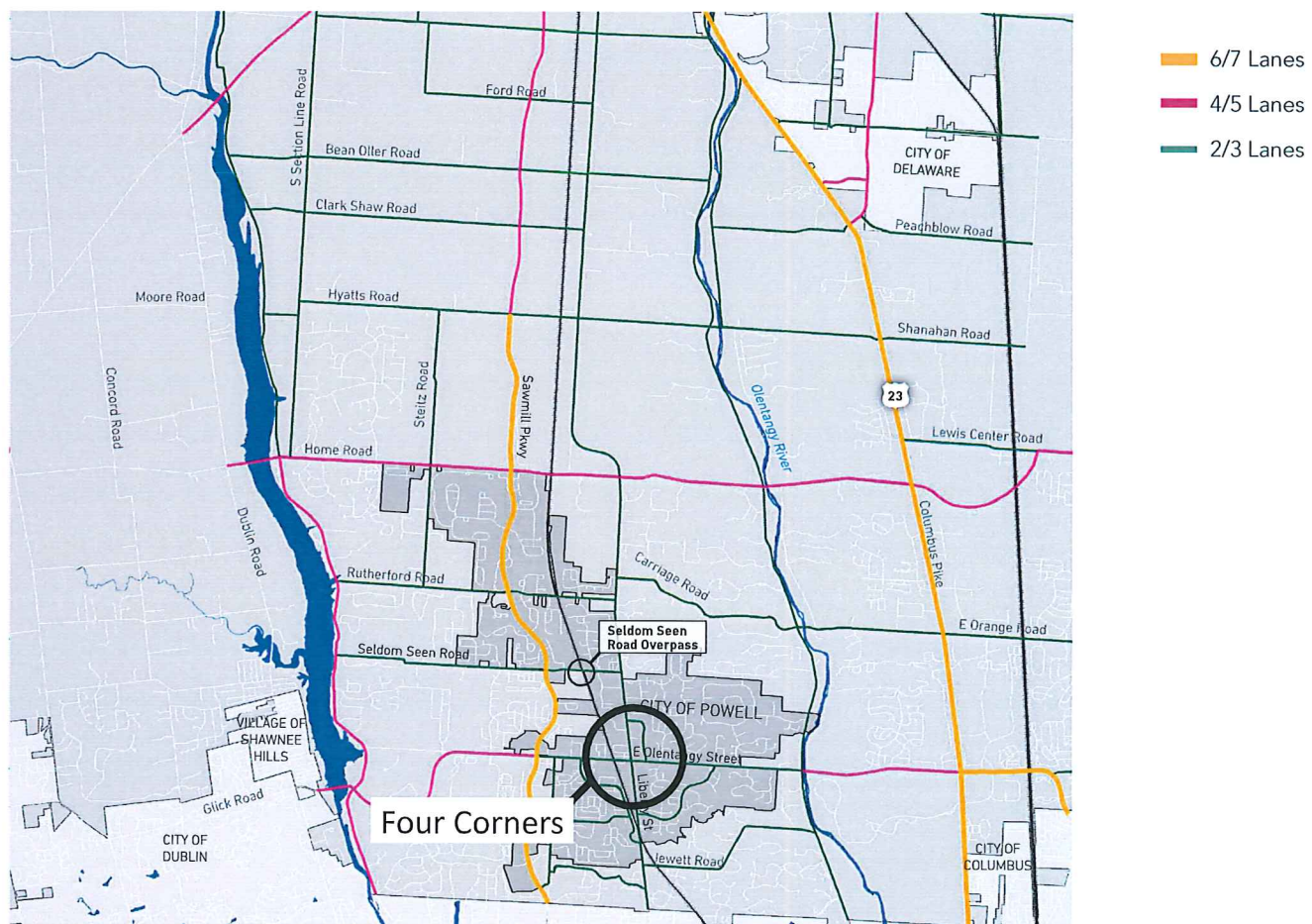
Regional Network



- Major Arterial
- Major Arterial (New)
- Minor Arterial
- Minor Arterial (New)
- Major Collector
- Major Collector (New)
- Minor Collector
- Minor Collector (New)

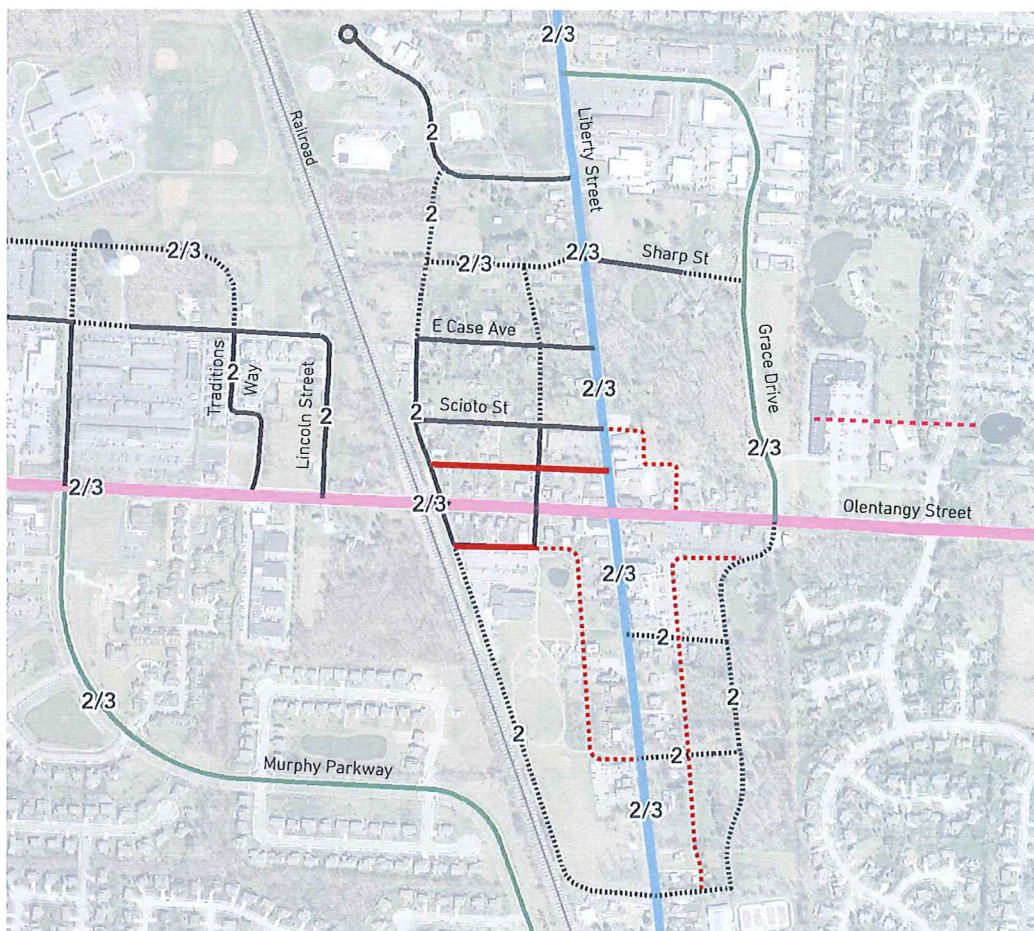
Thoroughfare Plan

Number of Lanes



Thoroughfare Plan

Downtown Network



- Major Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Local
- Local (New)
- Alley (Existing)
- Alley (New)

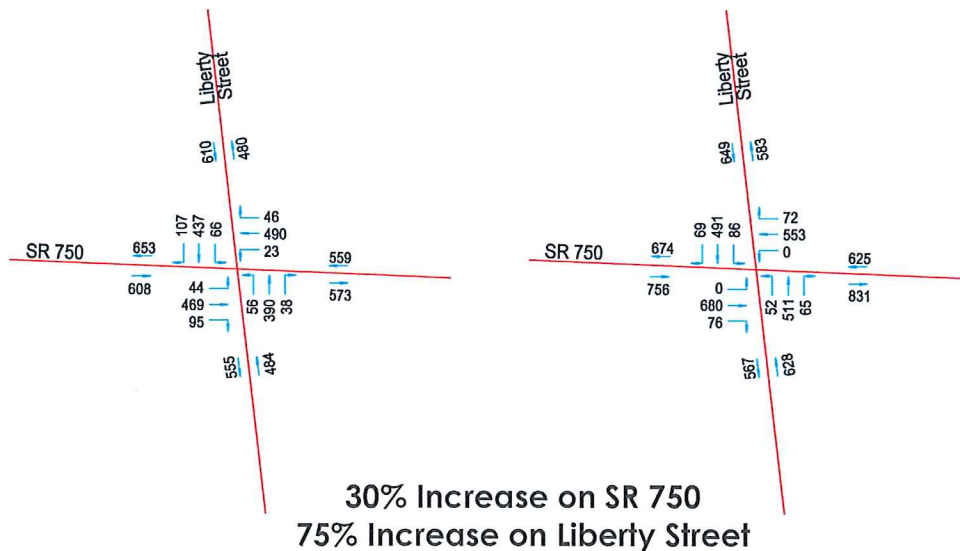
Thoroughfare Plan

Four Corners Left Turn Lane Analysis

Projected (2035) Four Corners Intersection Volumes

AM Peak Hour (7:15 – 8:15 AM)
Current Turn Restrictions

PM Peak Hour (5:00 – 6:00 PM)
Current Turn Restrictions

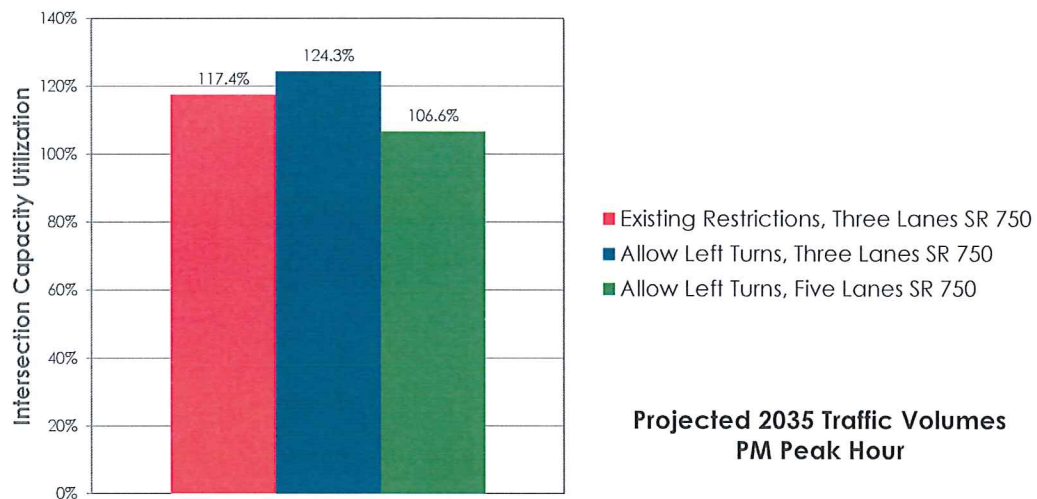


Thoroughfare Plan

Four Corners Left Turn Lane Analysis



Four Corners Intersection Capacity Utilization Left Turn Lanes Added to SR 750 Existing Restrictions vs. Allowing Left Turns

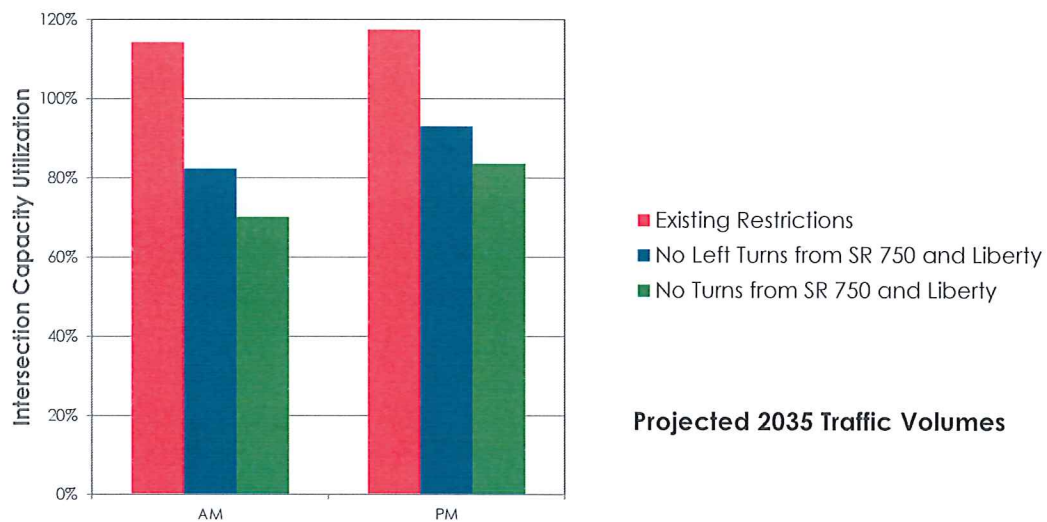


Thoroughfare Plan

Four Corners Left Turn Lane Analysis



Four Corners Intersection Capacity Utilization Alternative Conditions



Thoroughfare Plan

Preliminary Olentangy Street Concept

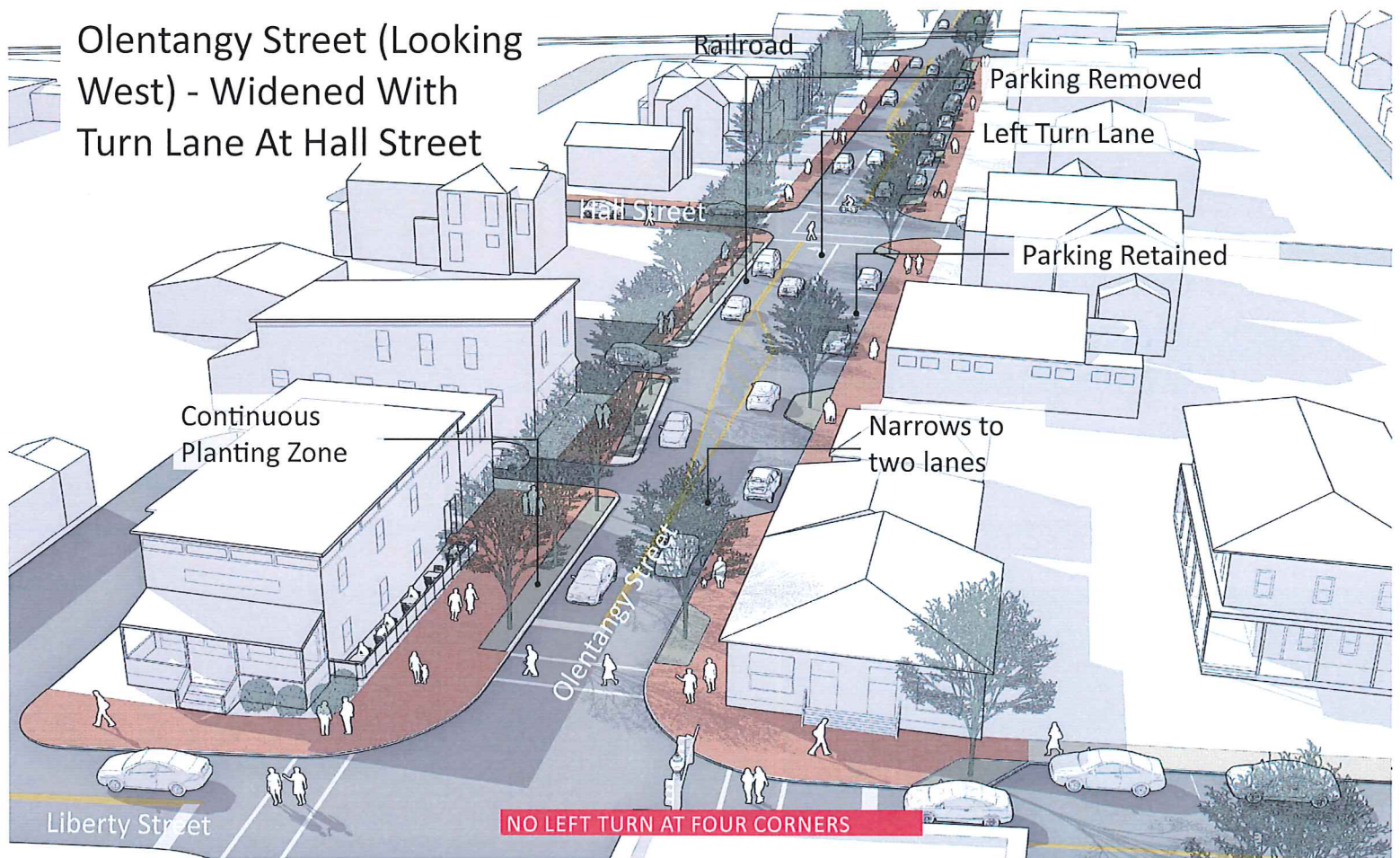
Olentangy Street (Looking West) - Existing Conditions



Thoroughfare Plan

Preliminary Olentangy Street Concept

Olentangy Street (Looking West) - Widened With Turn Lane At Hall Street



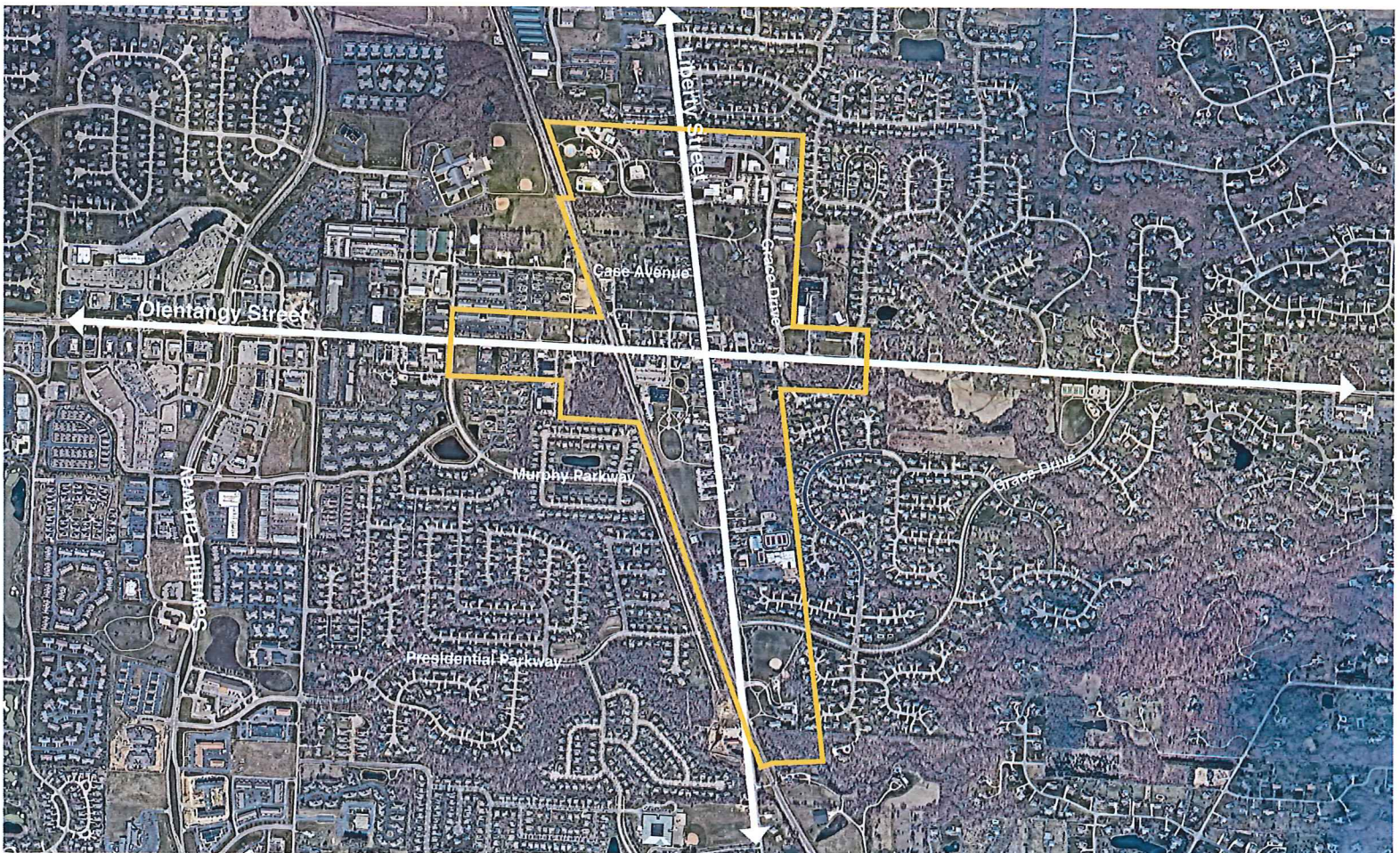
Section 4 >>

What Comes Next?



Focus for this workshop

Study Area



What are we doing?

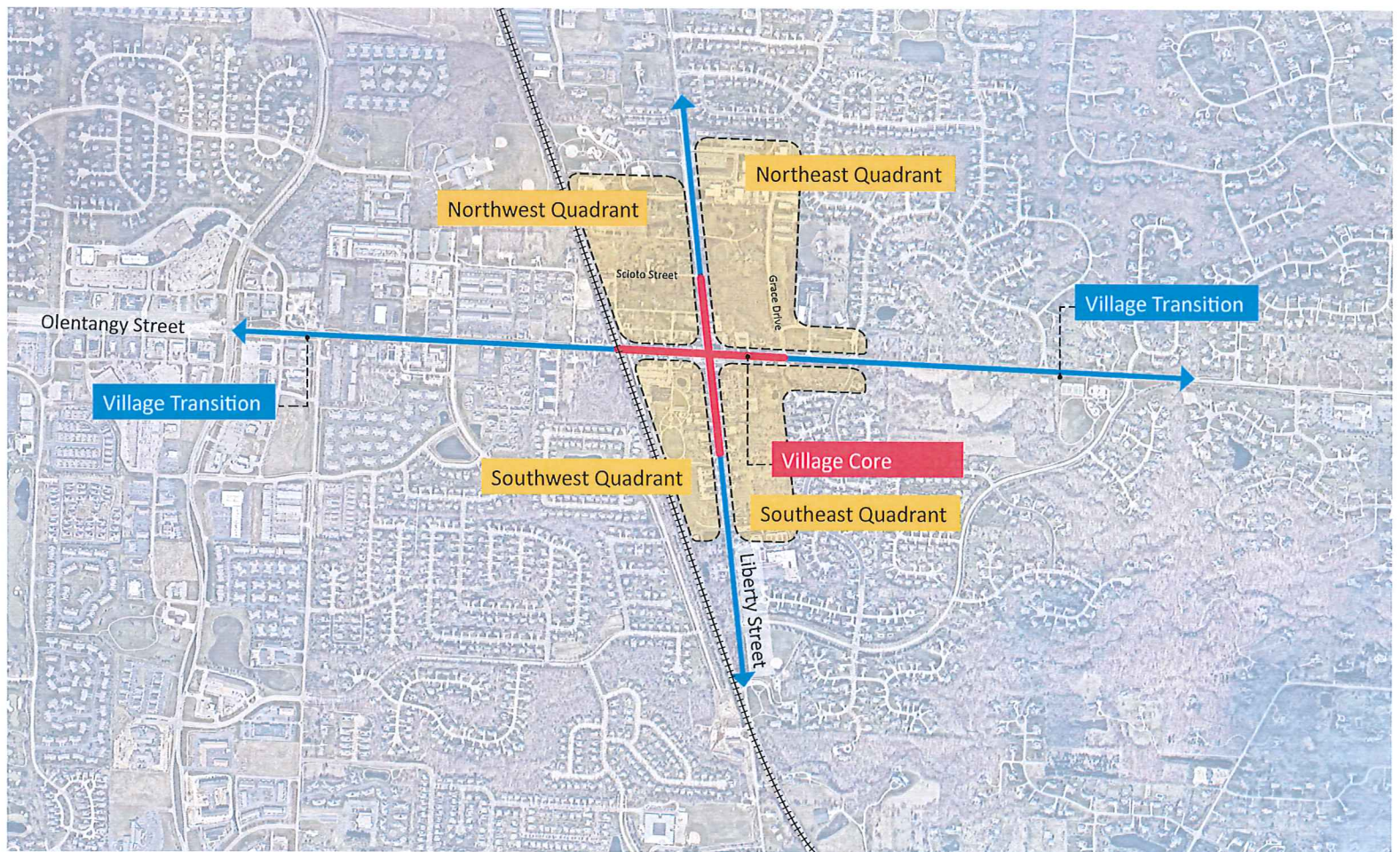


Project Objectives

- » 1 Facilitate better traffic movement through and around the Four Corners
- » 2 Enhance access, parking, and circulation to Downtown businesses and events
- » 3 Preserve and enhance downtown character and walkability

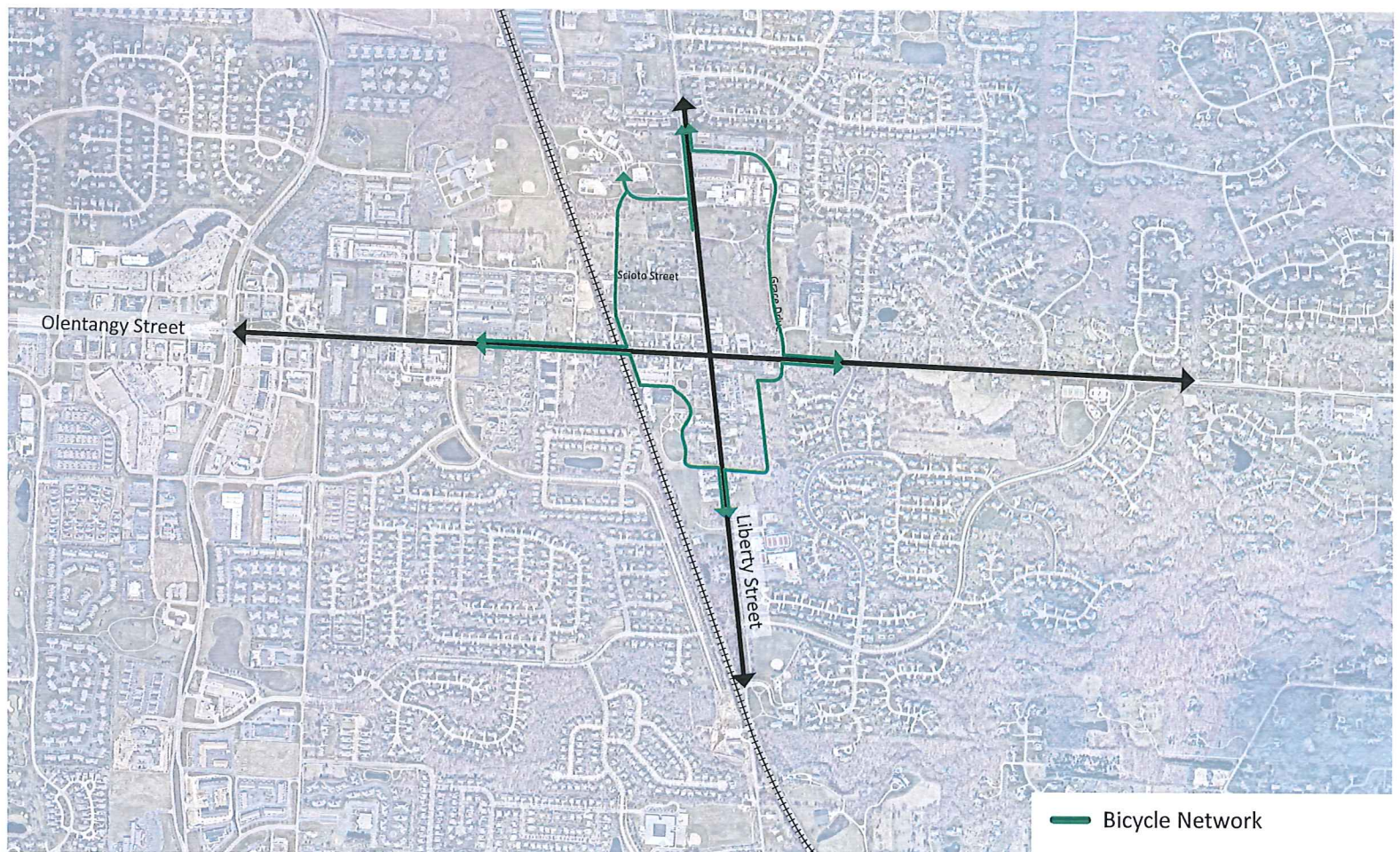
Street Character

Village Center Gateways



Conceptual Street System

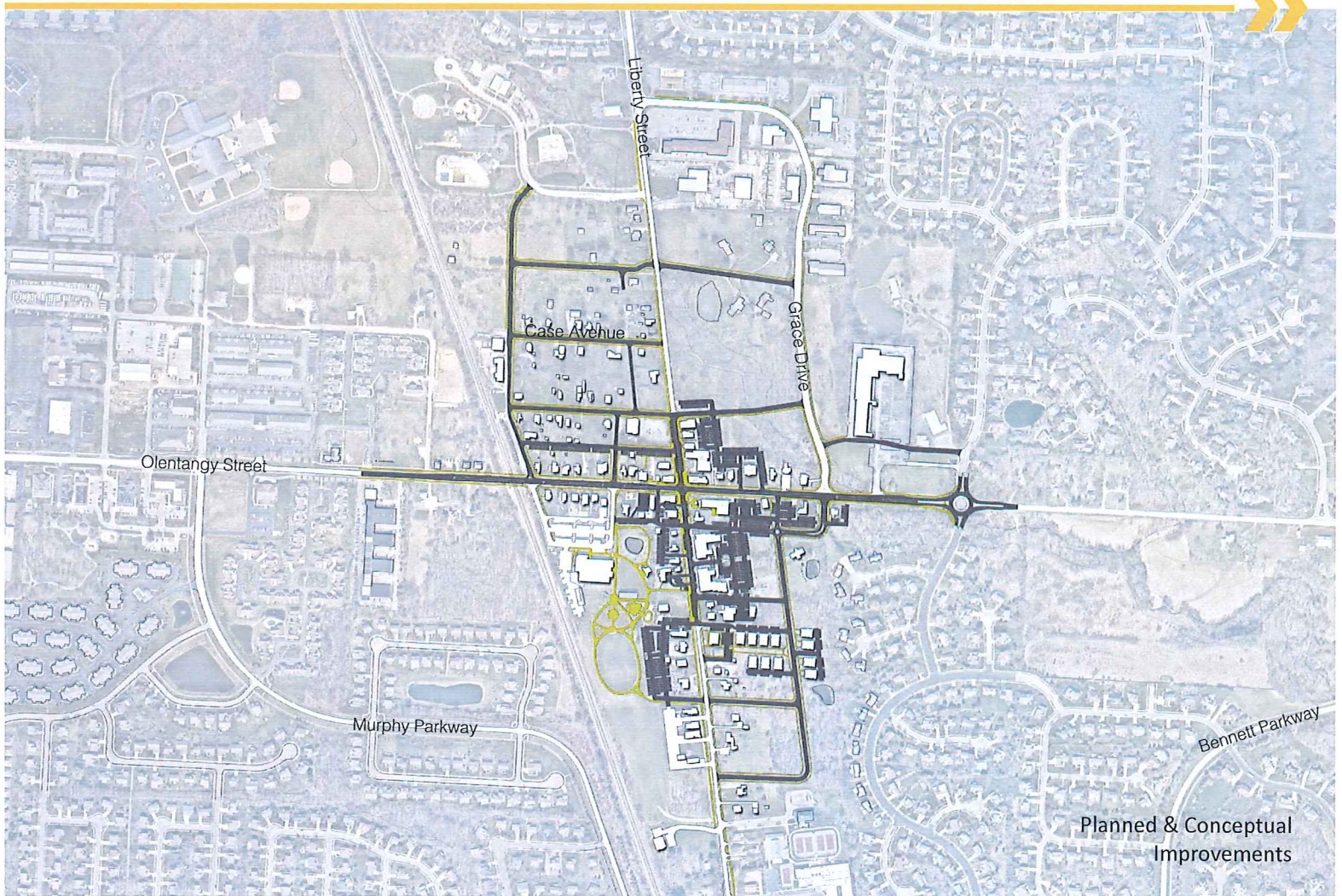
Bicycle Circulation



Conceptual Street System



Conceptual Street System



Conceptual Street System

Liberty & Olentangy Streets

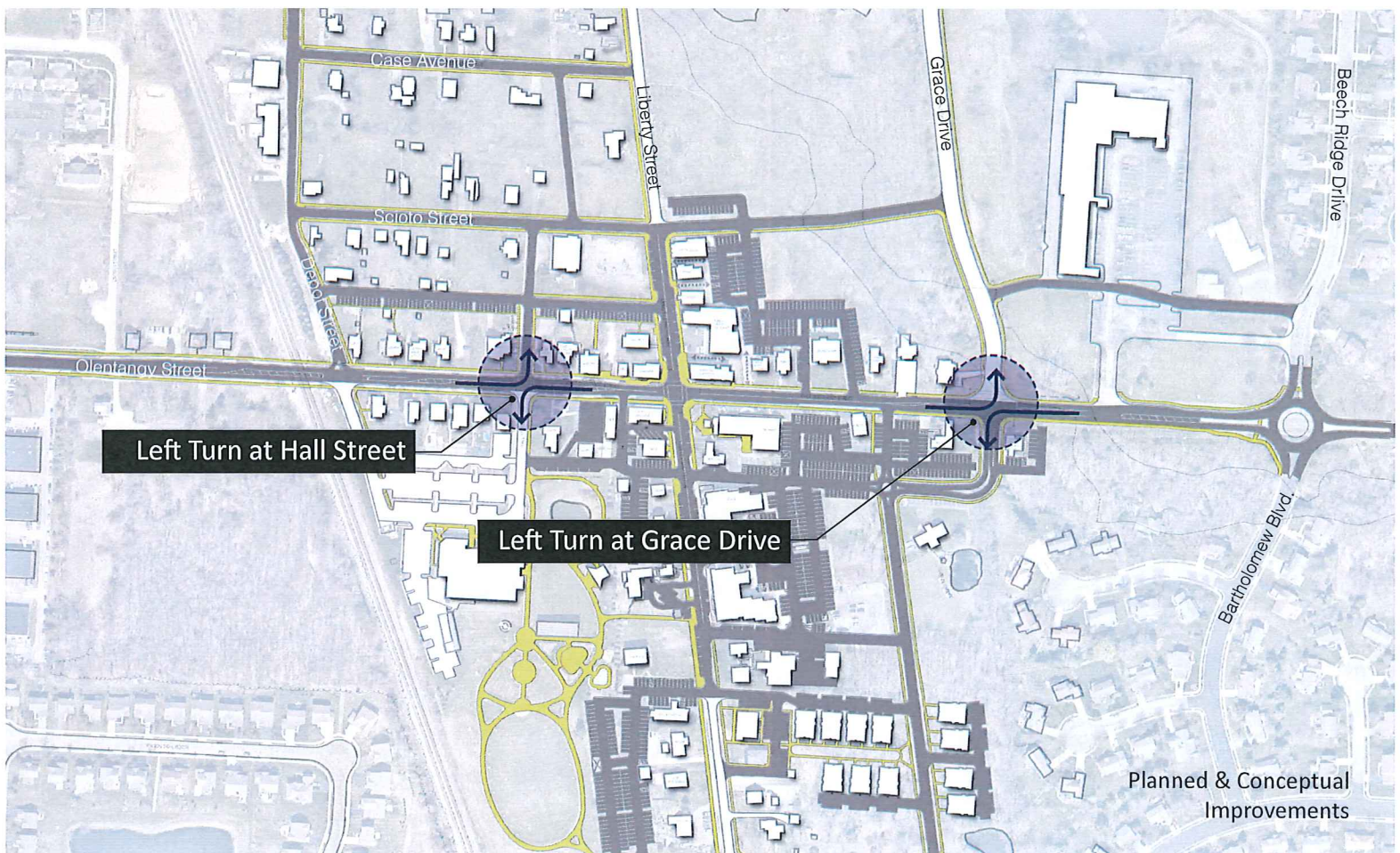


Prohibit Left Turns at the Four Corners

Planned & Conceptual
Improvements

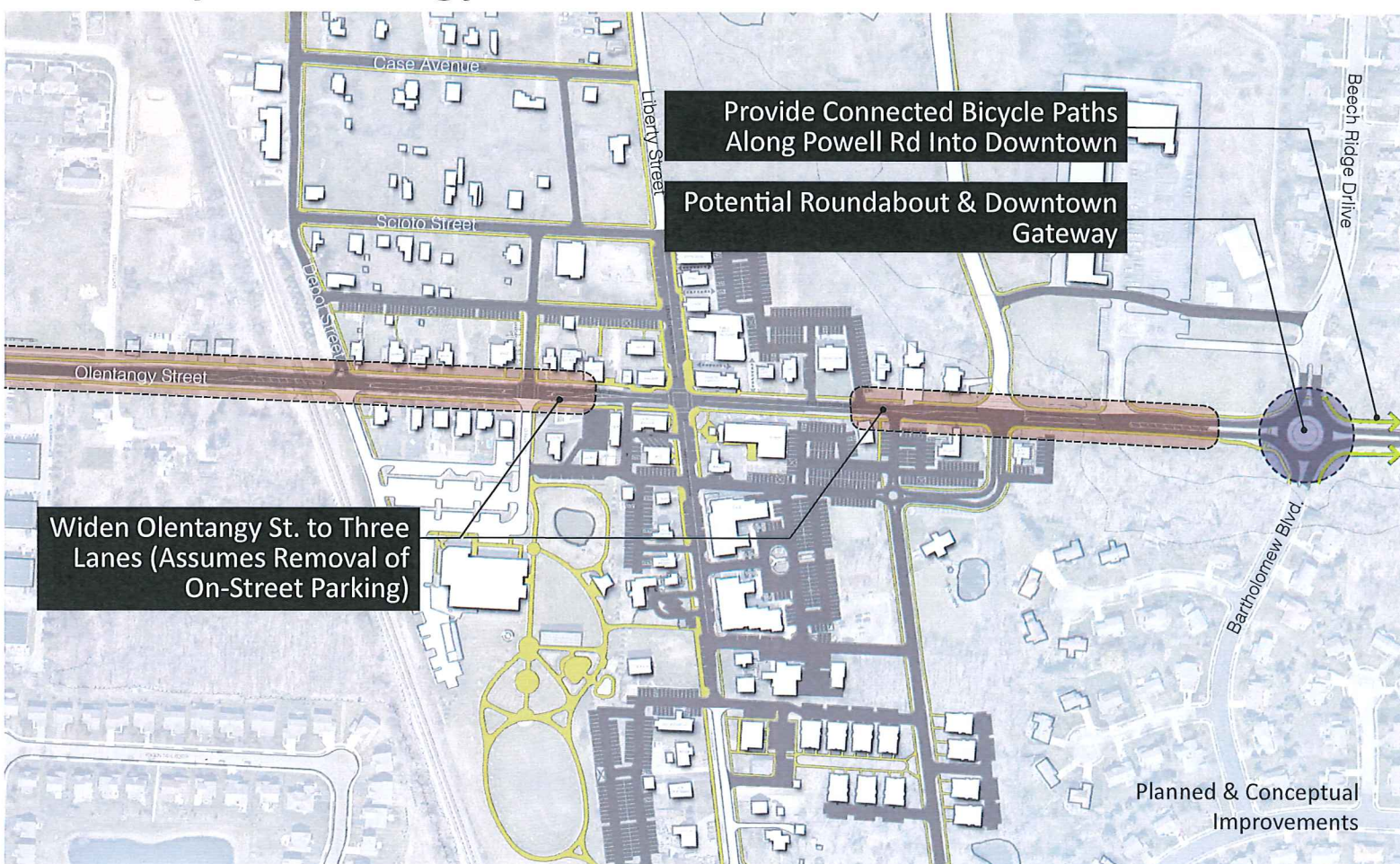
Conceptual Street System

Liberty & Olentangy Streets



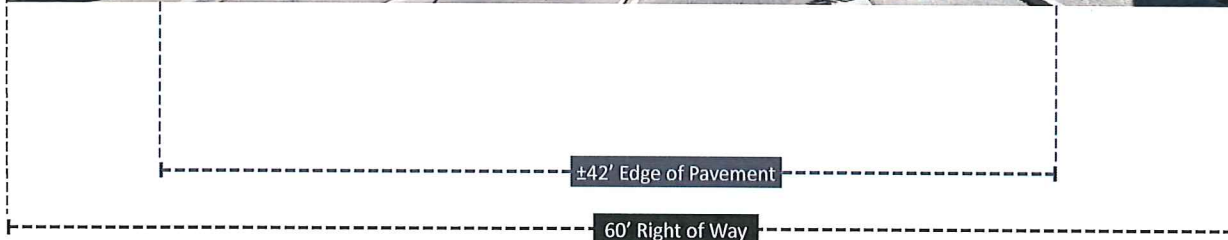
Conceptual Street System

Liberty & Olentangy Streets



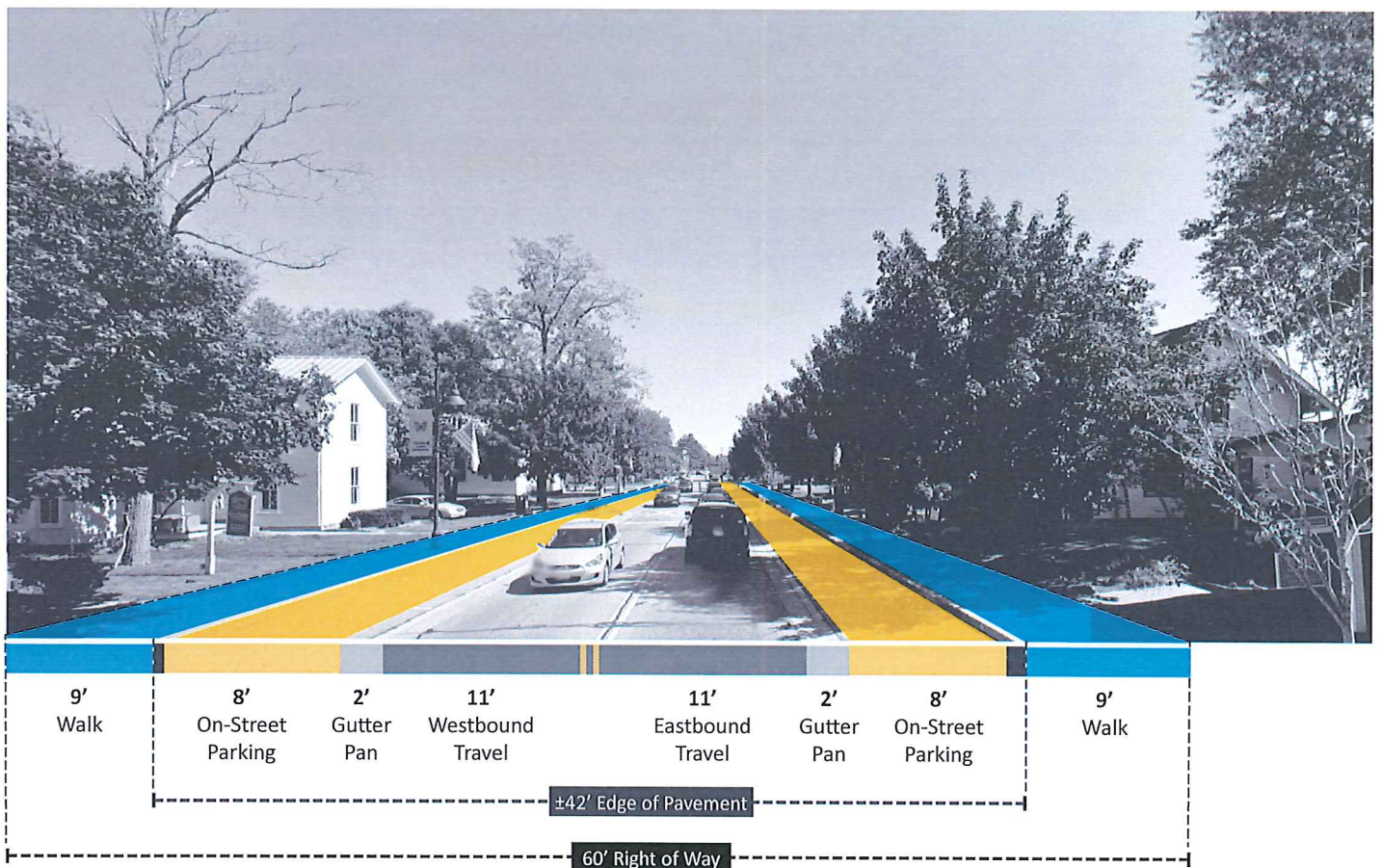
Conceptual Street System

West Olentangy Street (Looking East) - Today



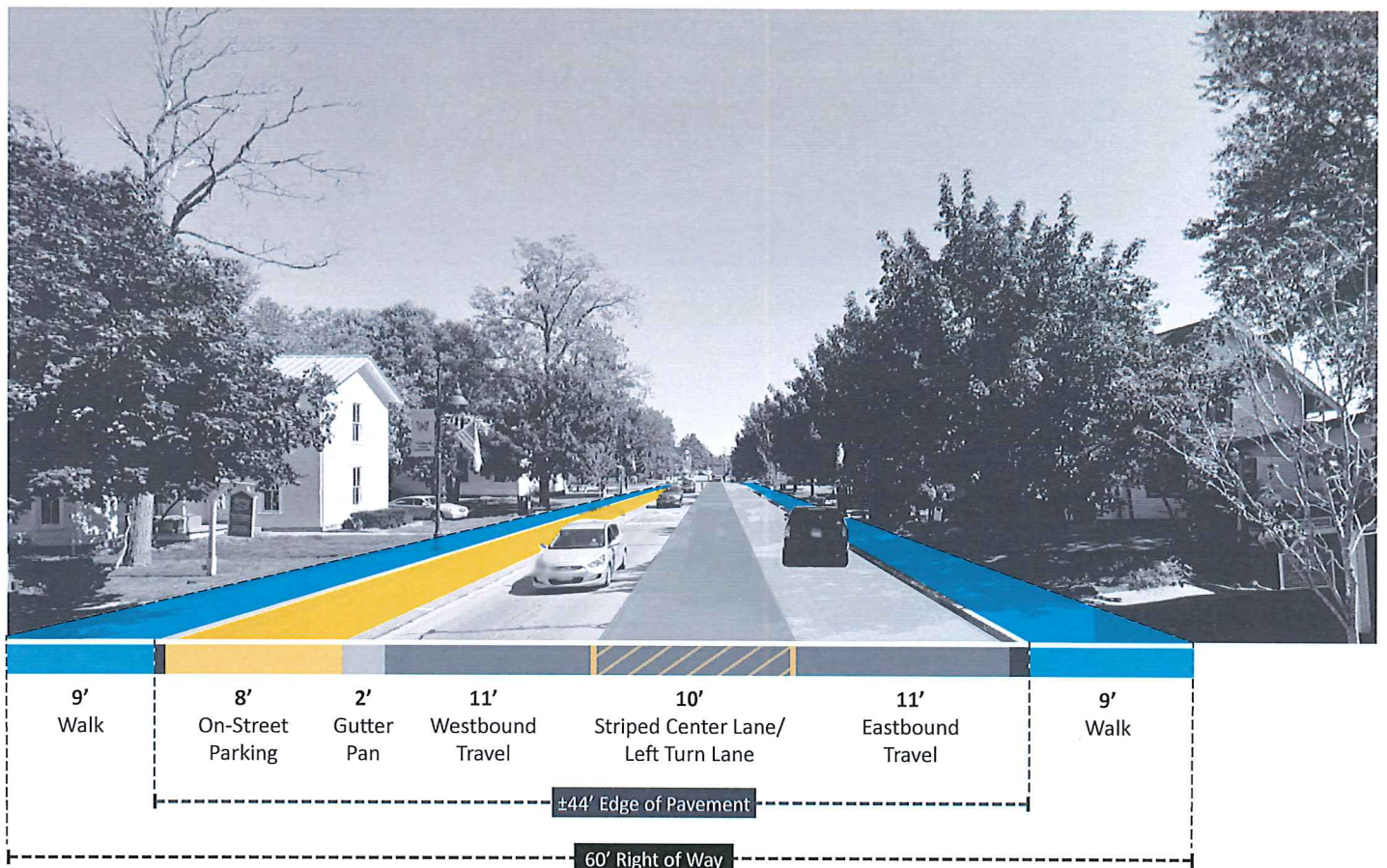
Conceptual Street System

West Olentangy Street (Looking East) - Today



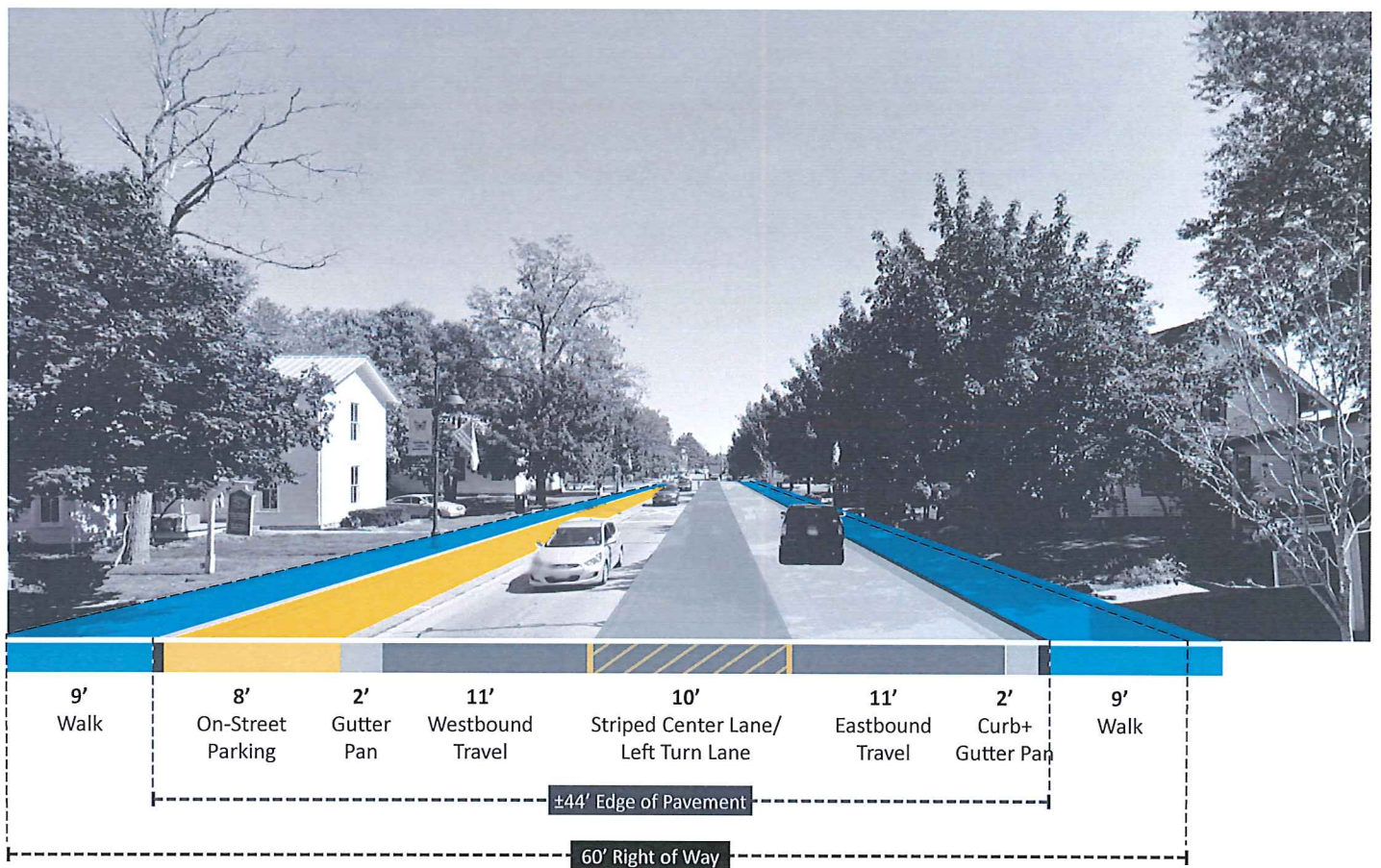
Conceptual Street System

West Olentangy Street (Looking East) - Potential Option 1



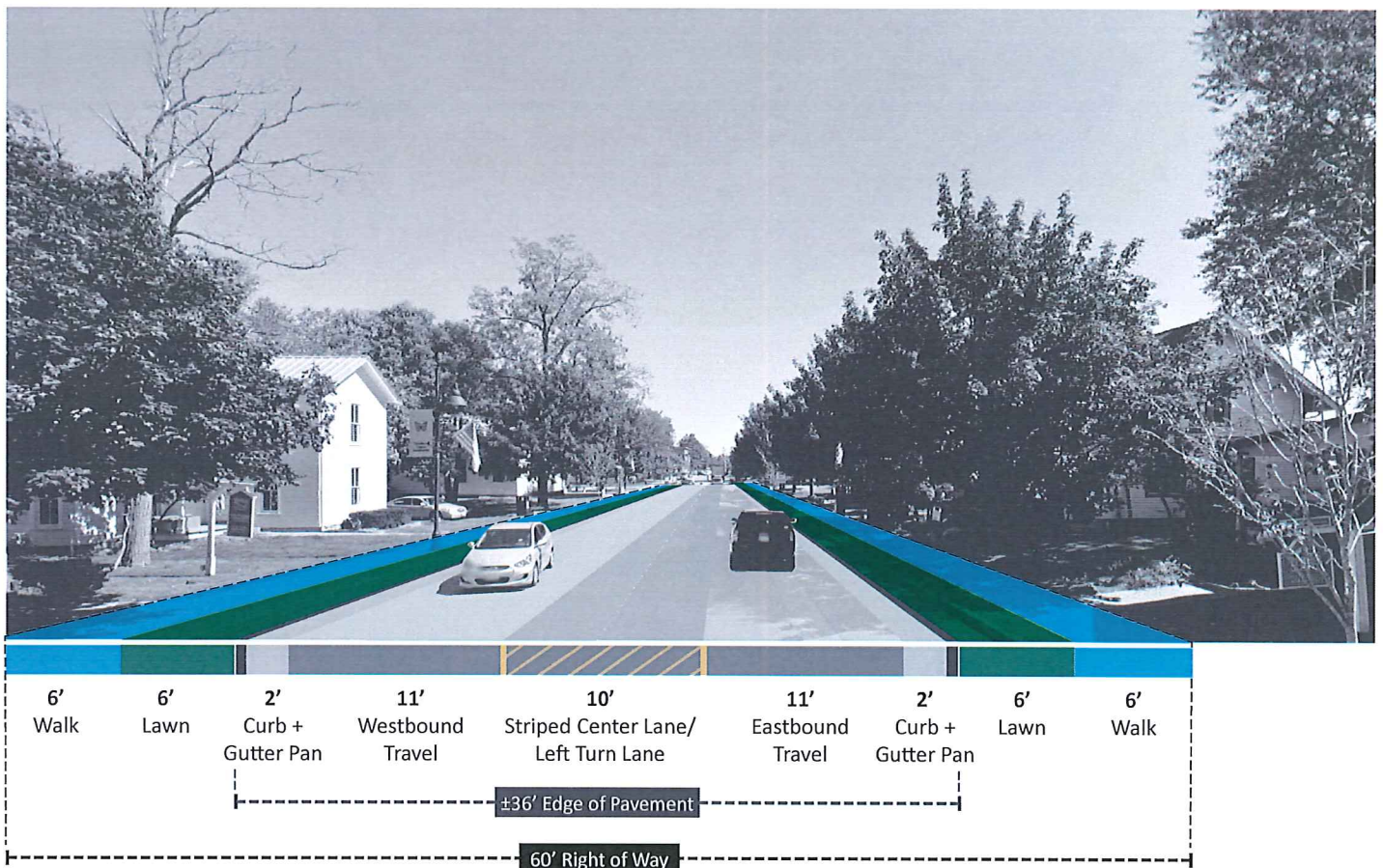
Conceptual Street System

West Olentangy Street (Looking East) - Potential Option 2



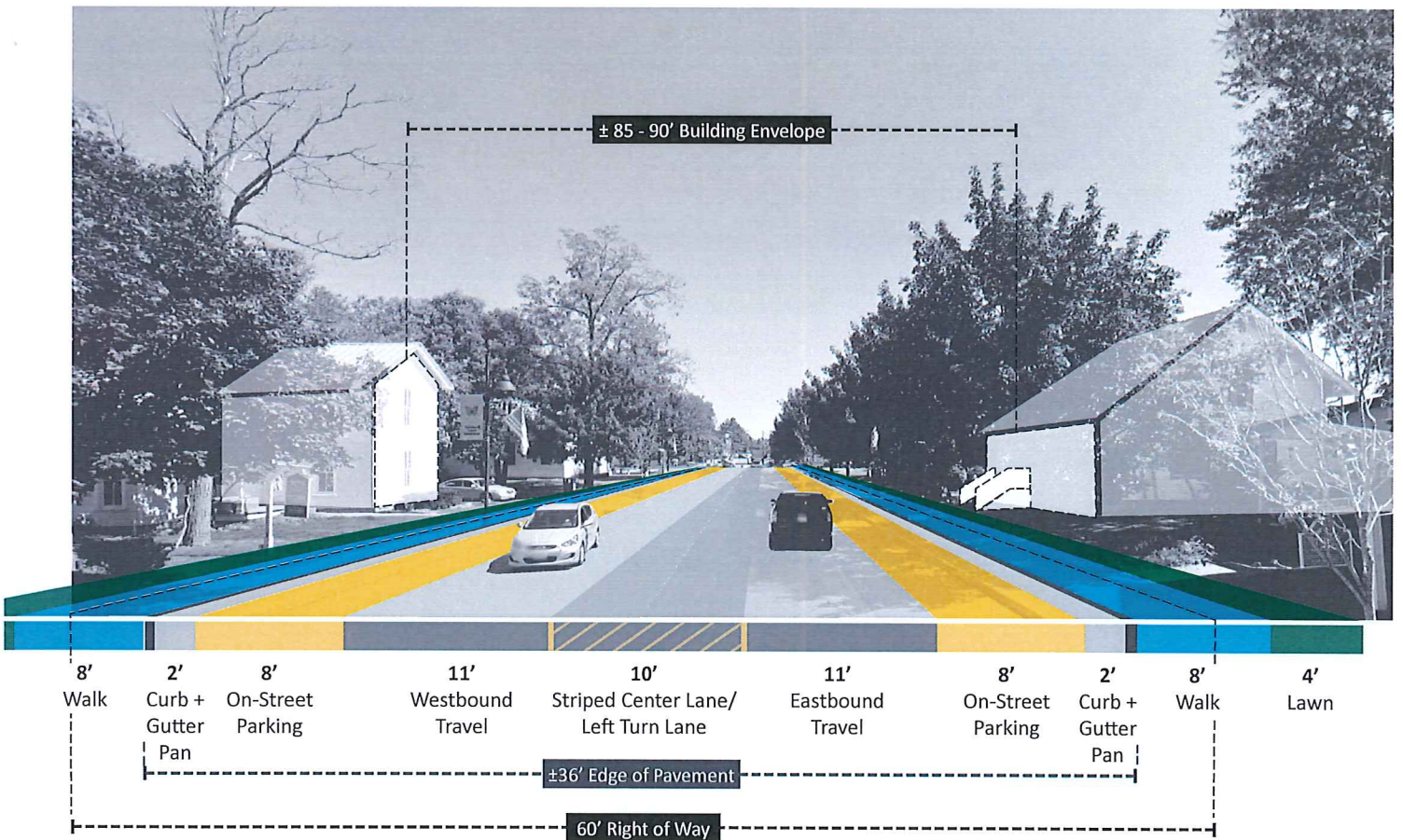
Conceptual Street System

West Olentangy Street (Looking East) - Potential Option 3



Conceptual Street System

West Olentangy Street (Looking East) - Potential Option 4



Conceptual Street System

West Olentangy Street (Looking East) - Today



Conceptual Street System

West Olentangy Street (Looking East) - Potential



Conversion of On-Street Parking
to Streetscape Planters

Turn Lane at
Hall Street

3 Lanes



Conceptual Street System

Liberty & Olentangy Streets



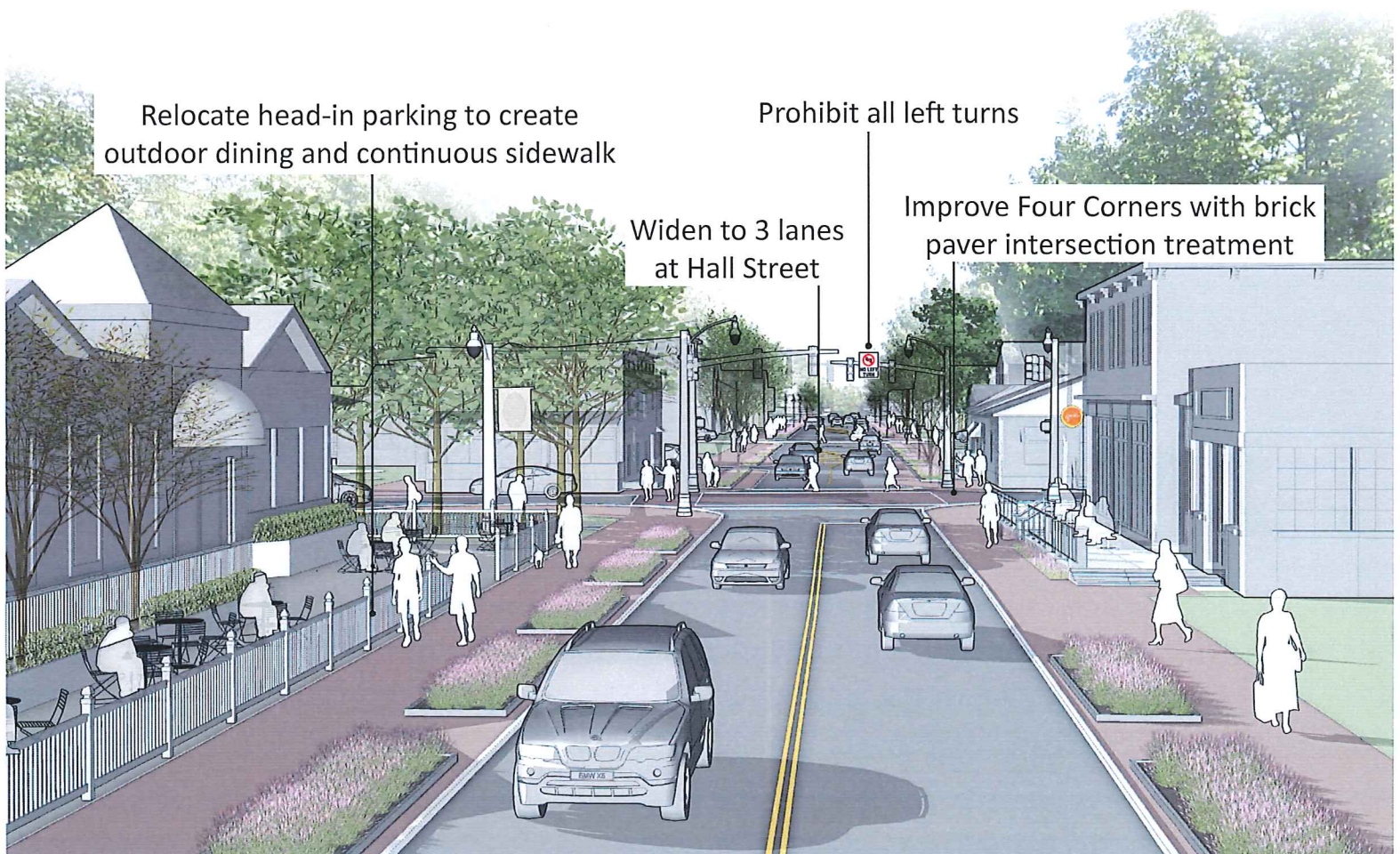
Conceptual Street System

East Olentangy Street (Looking West) - Today



Conceptual Street System

East Olentangy Street (Looking West) - Potential



Conceptual Street System

Liberty & Olentangy Streets



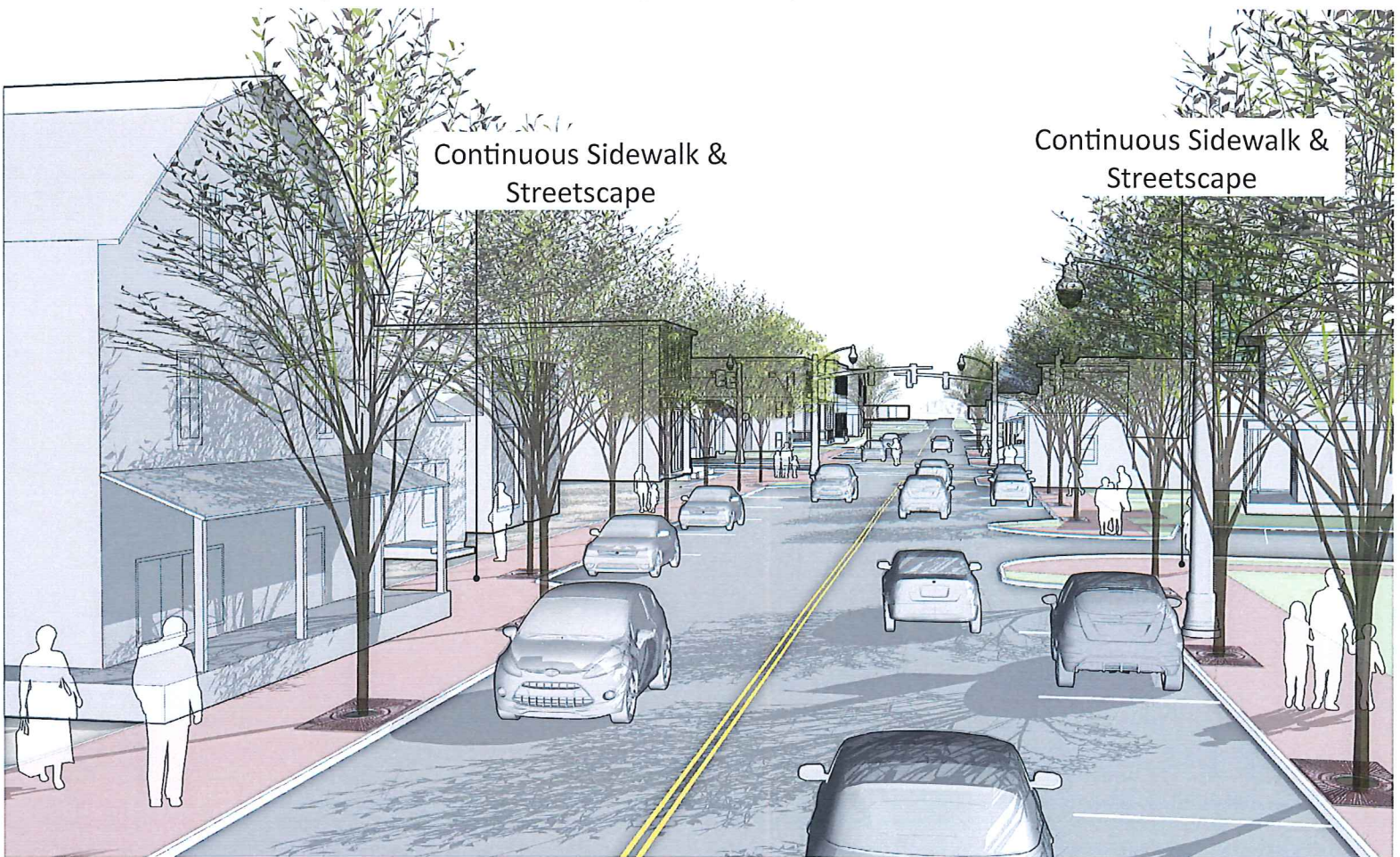
Conceptual Street System

North Liberty Street (Looking South) - Today



Conceptual Street System

North Liberty Street (Looking South) - Potential



Conceptual Street System

Southeast Quadrant



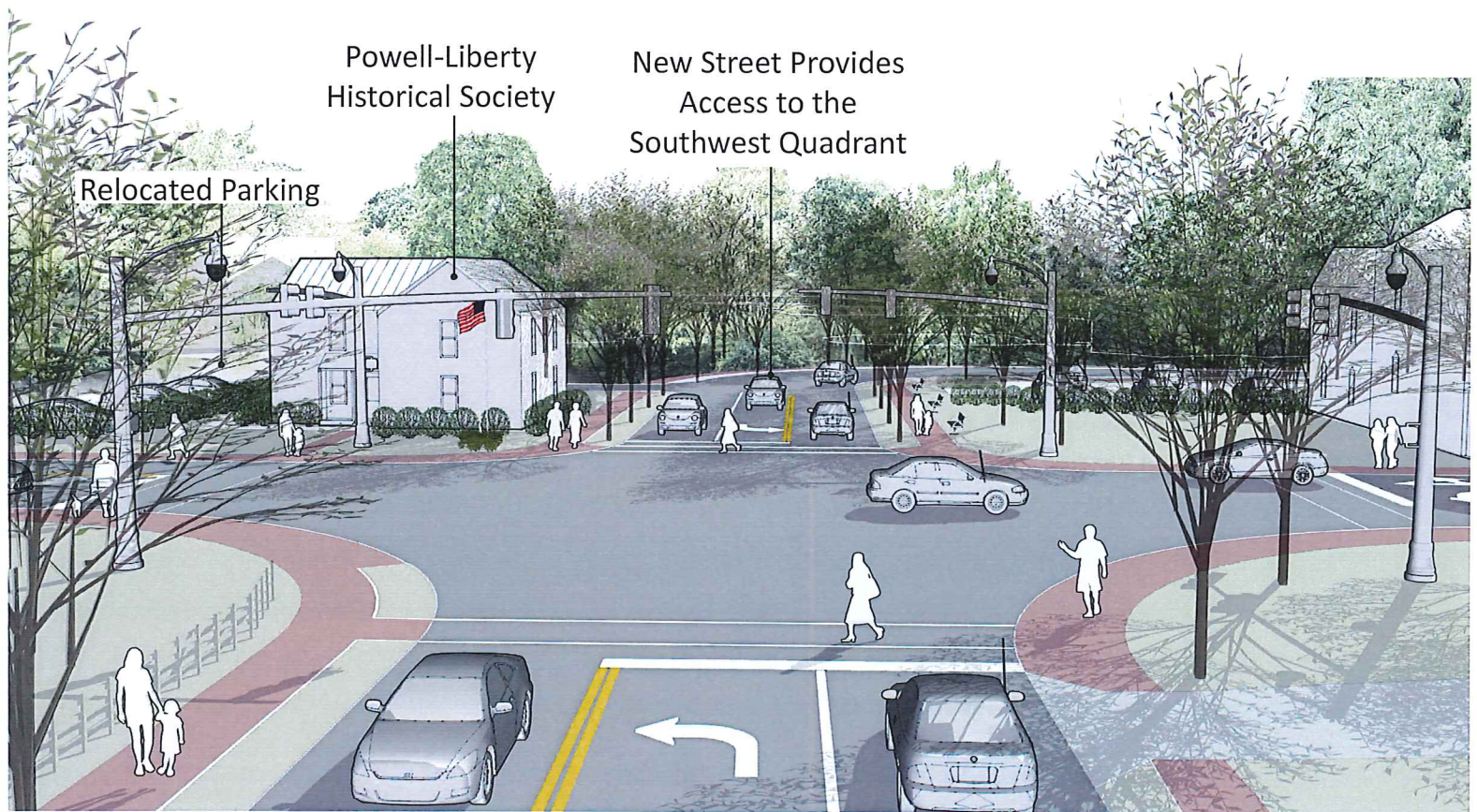
Conceptual Street System

East Olentangy Street & Grace Drive (Looking South) - Today



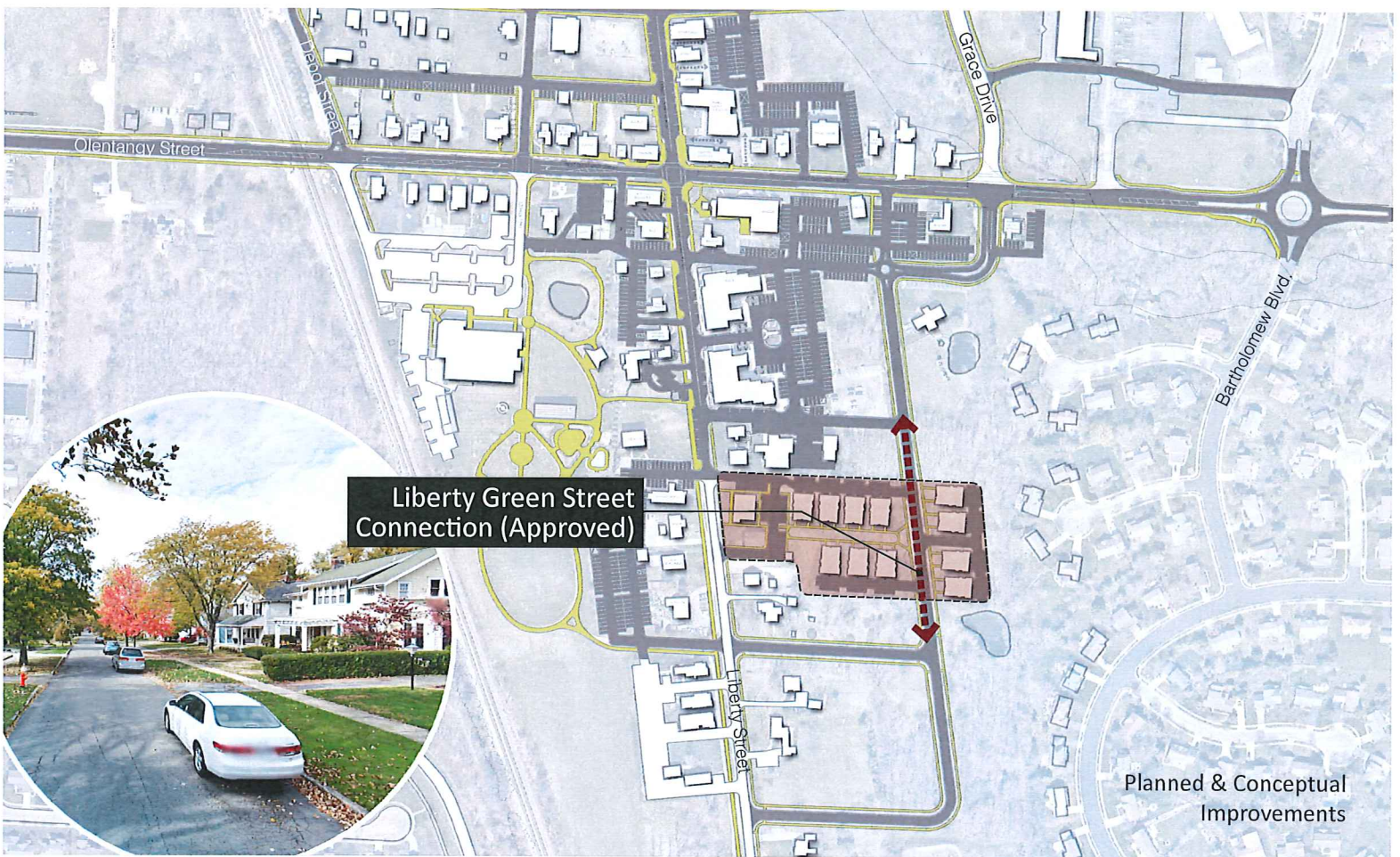
Conceptual Street System

East Olentangy Street & Grace Drive
(Looking south toward new Martin Perry Drive) - Potential



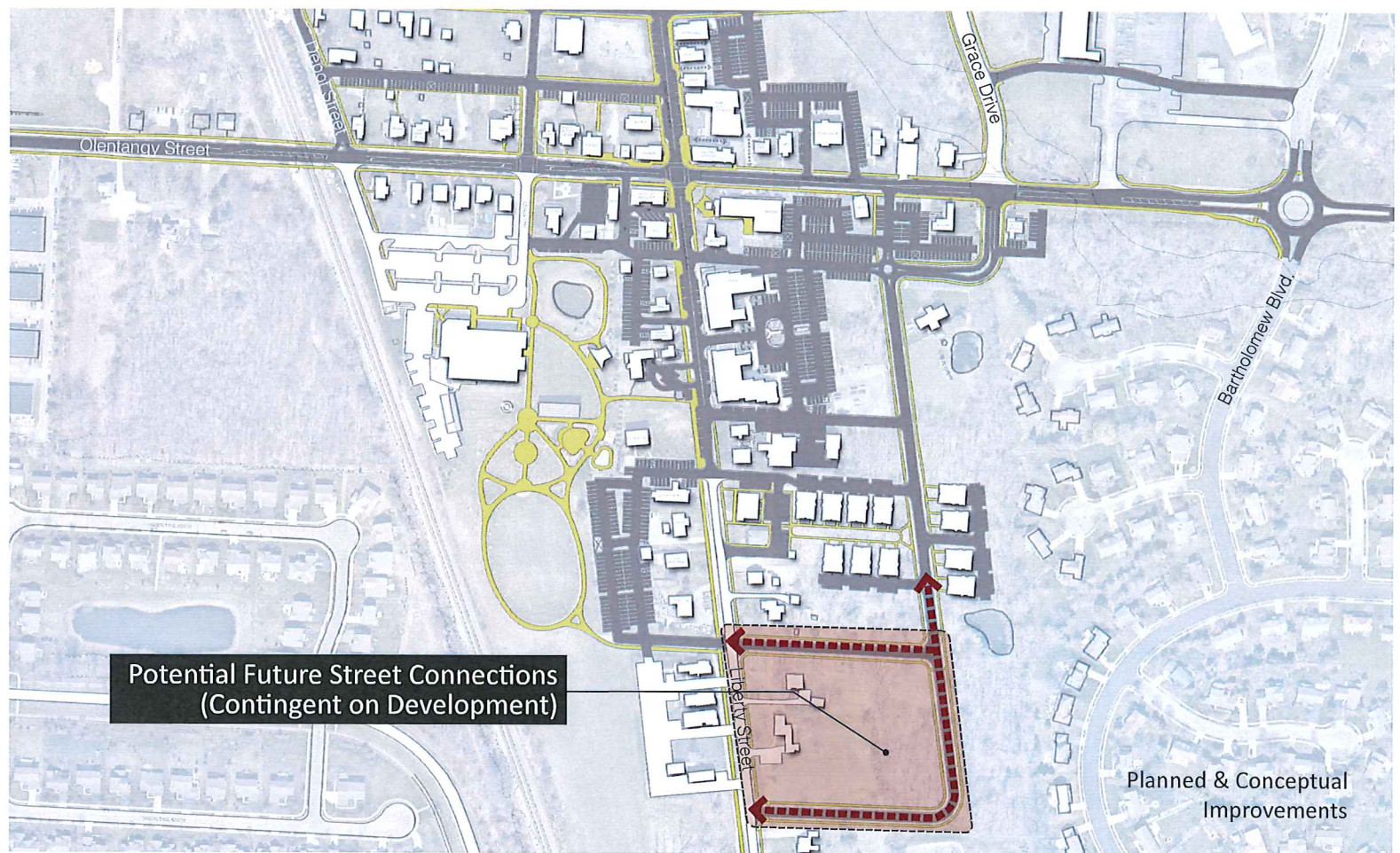
Conceptual Street System

Southeast Quadrant



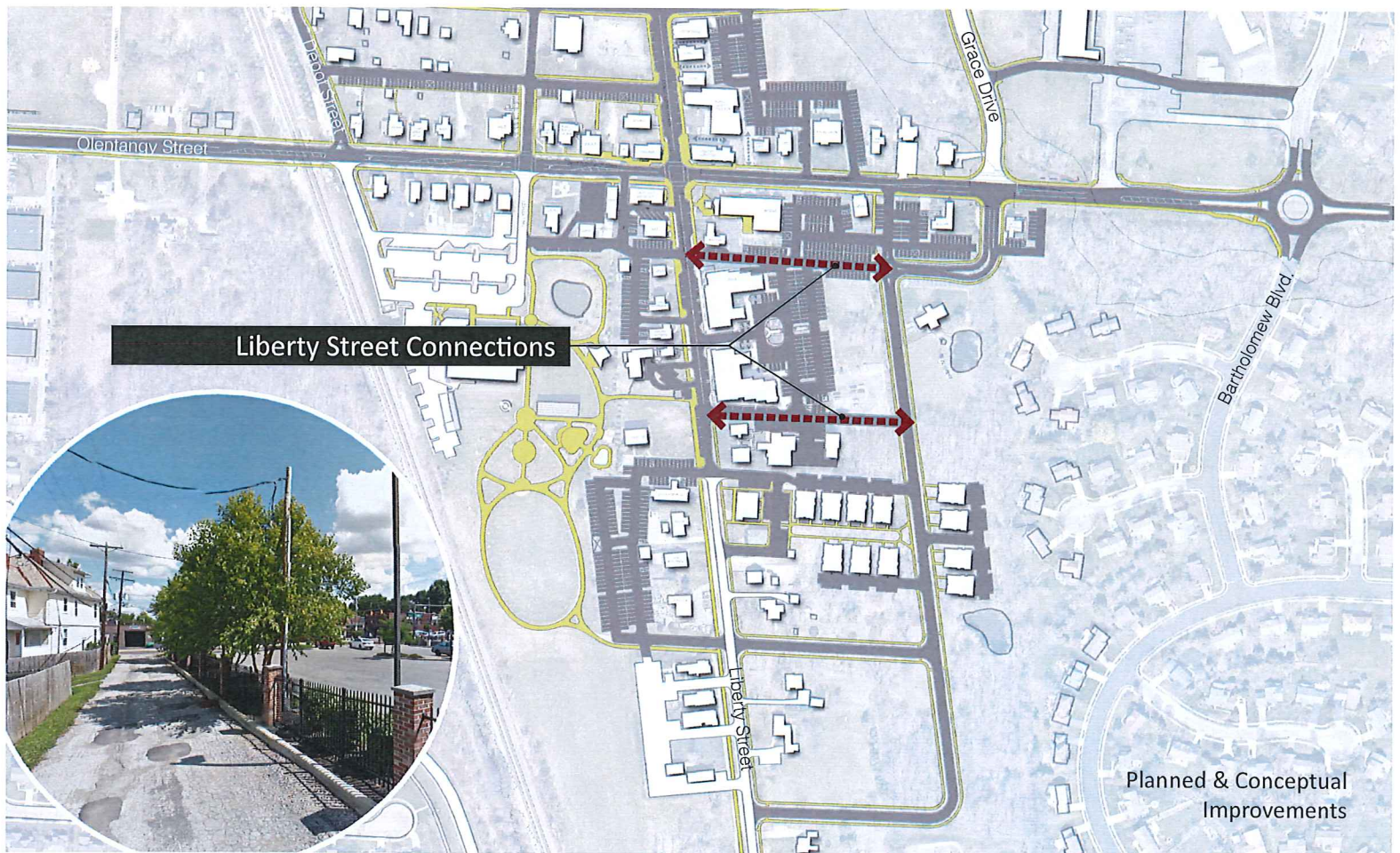
Conceptual Street System

Southeast Quadrant



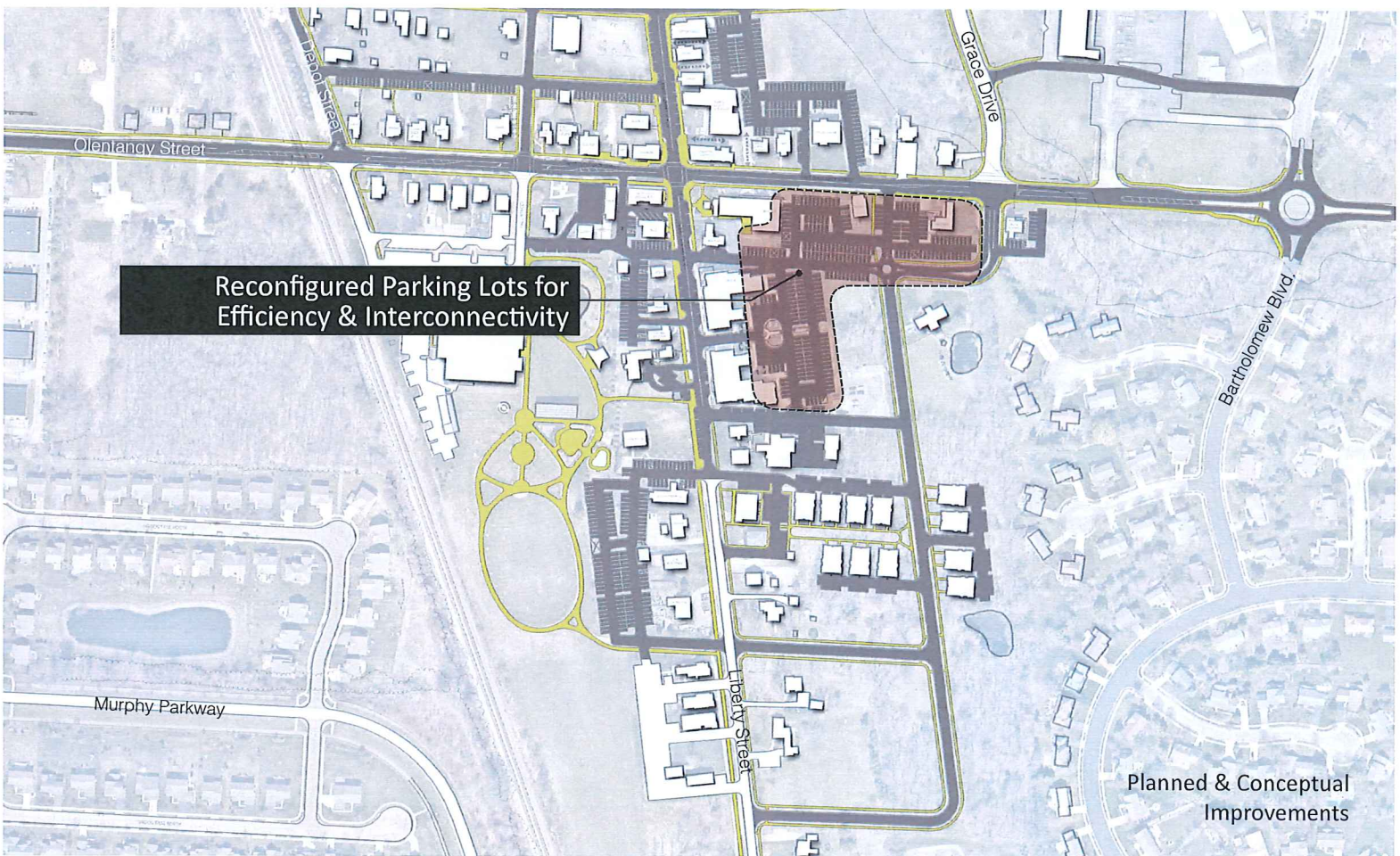
Conceptual Street System

Southeast Quadrant



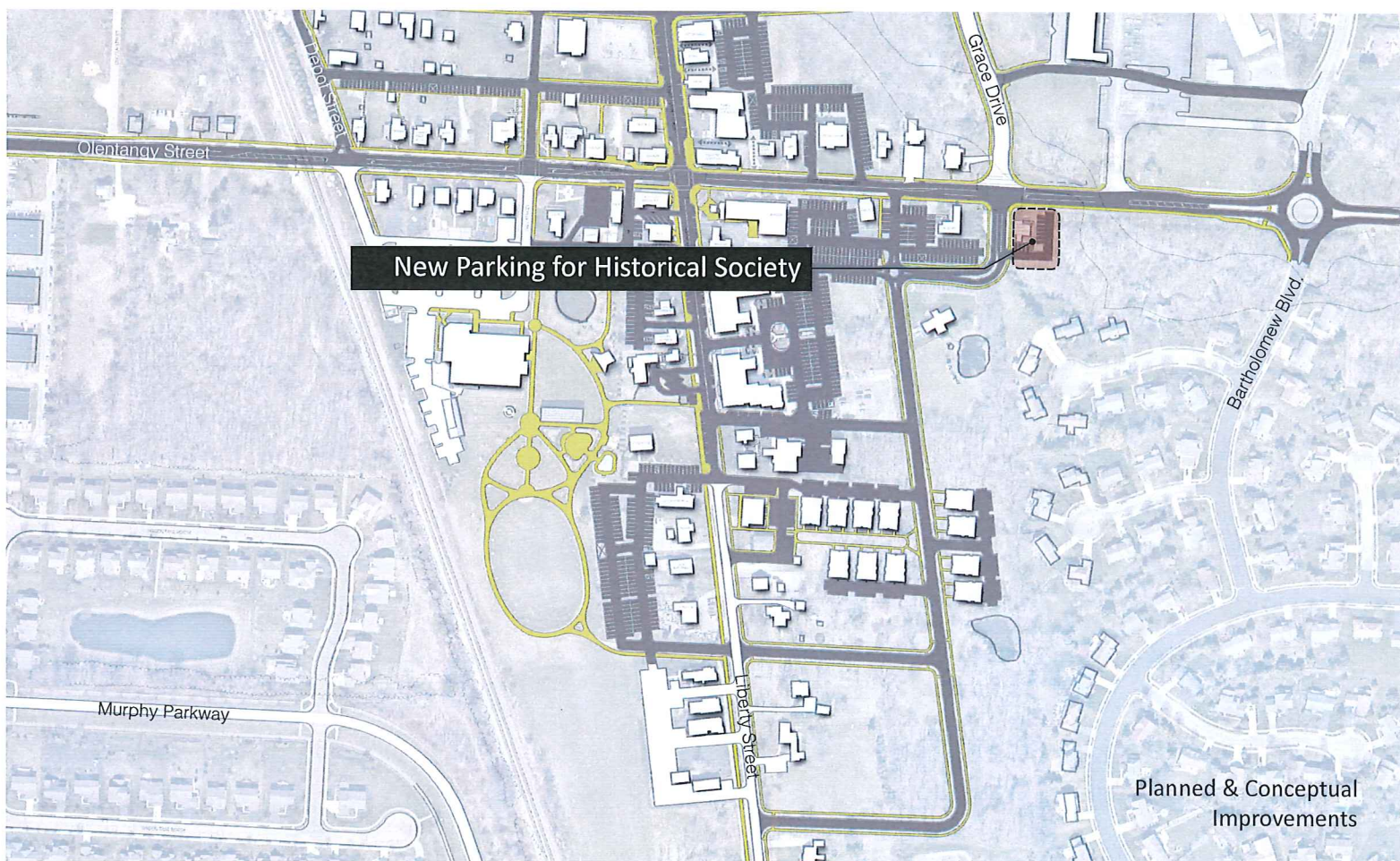
Conceptual Street System

Southeast Quadrant



Conceptual Street System

Southeast Quadrant



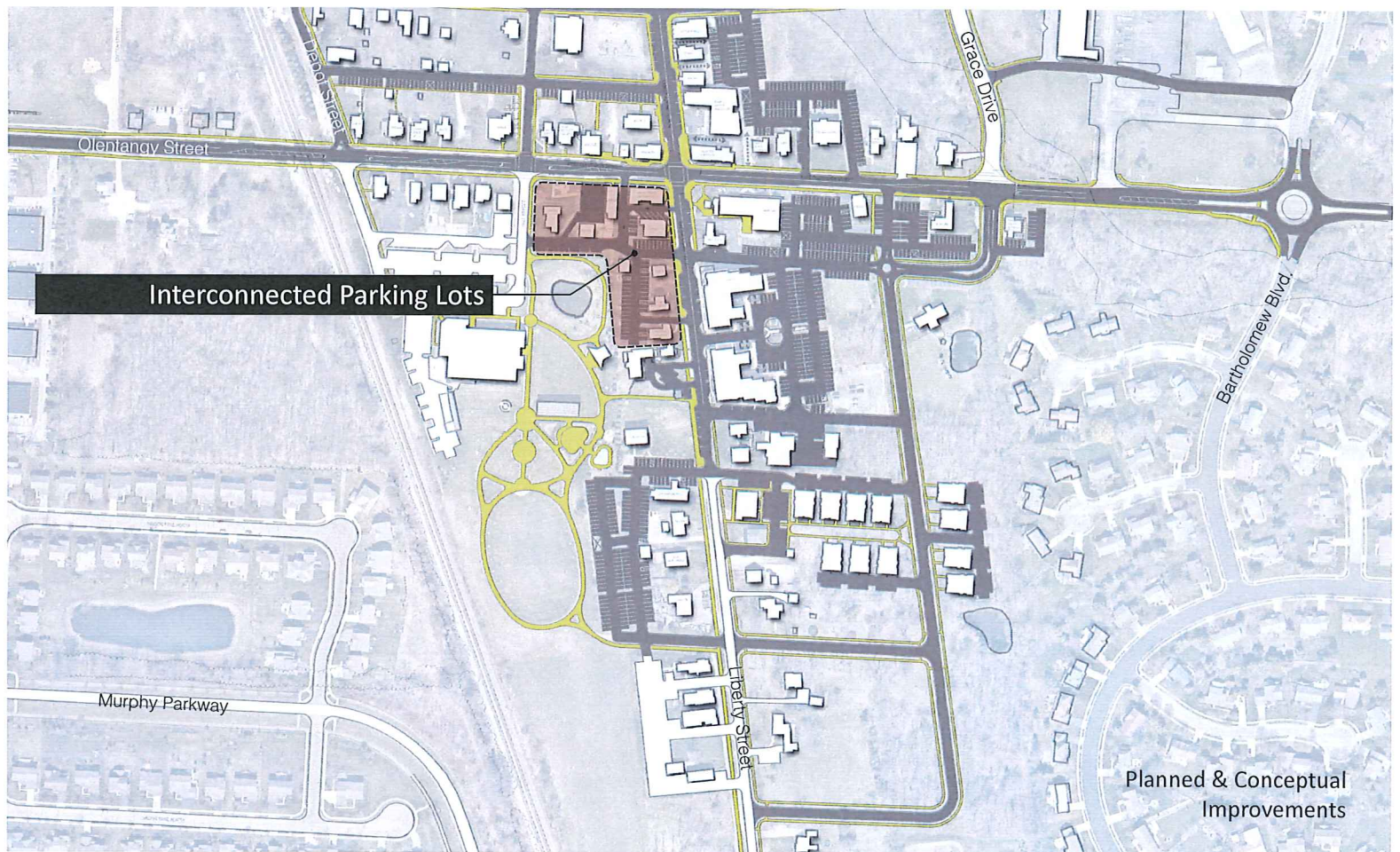
Conceptual Street System

Southeast Quadrant



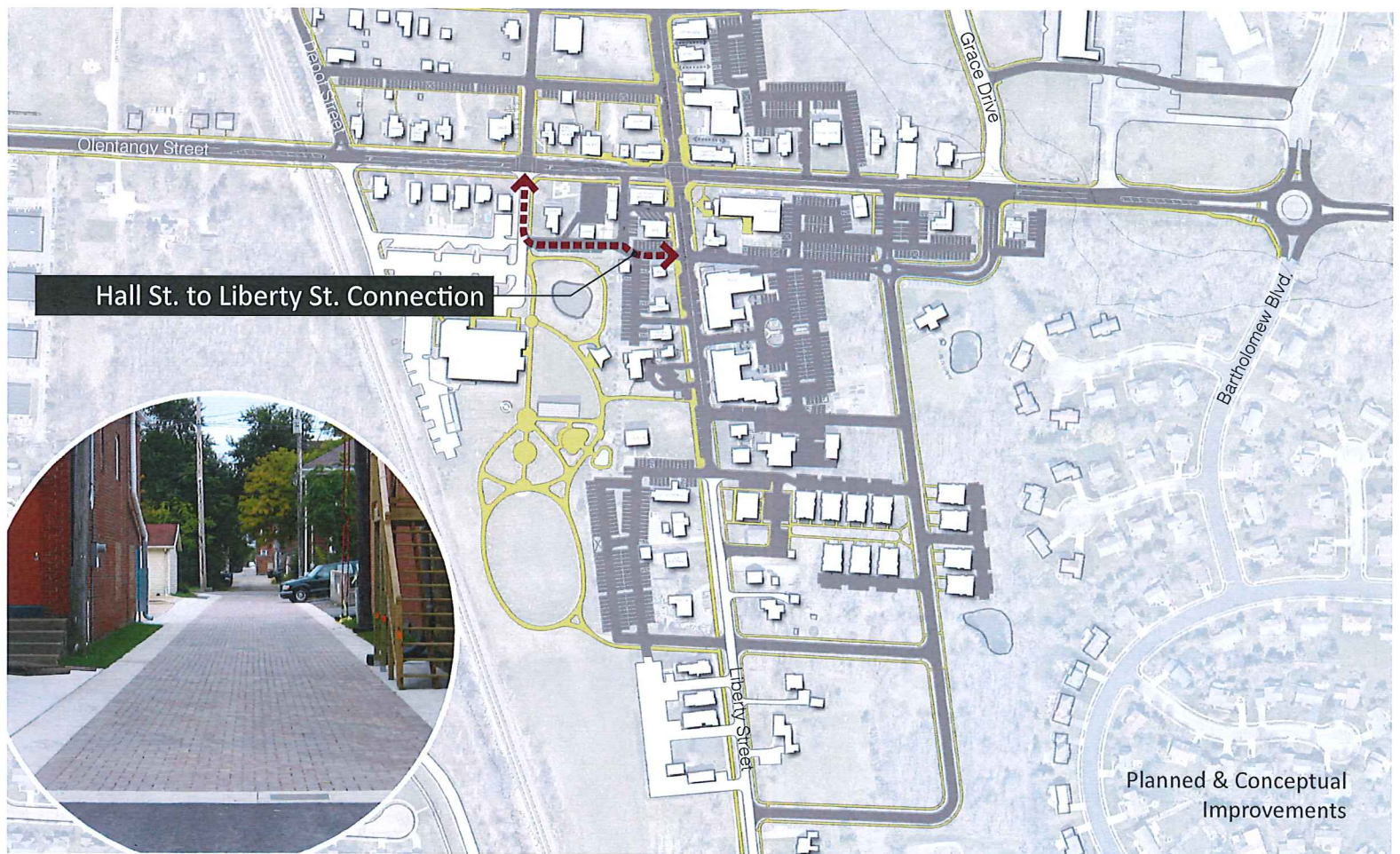
Conceptual Street System

Southwest Quadrant



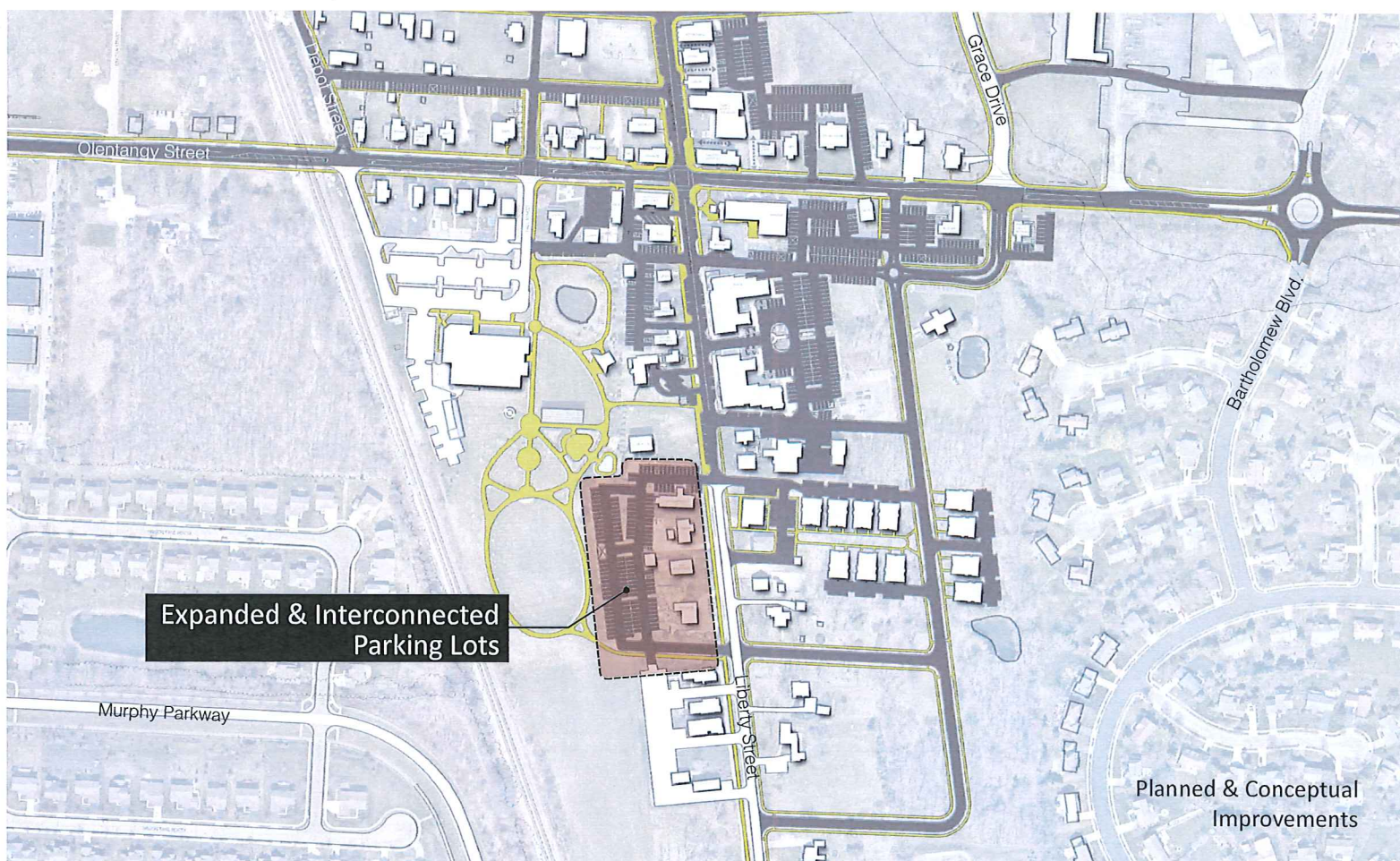
Conceptual Street System

Southwest Quadrant



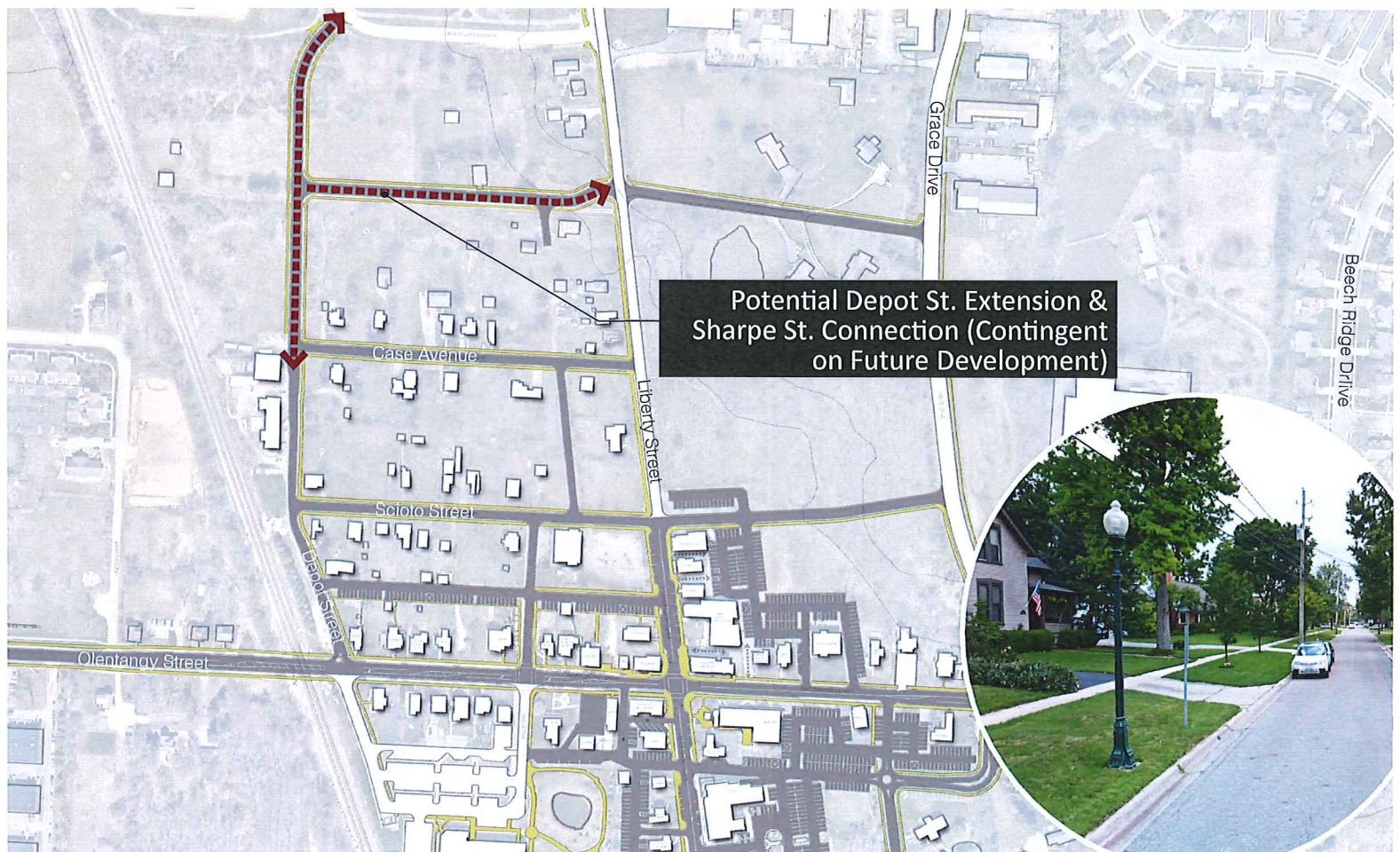
Conceptual Street System

Southwest Quadrant



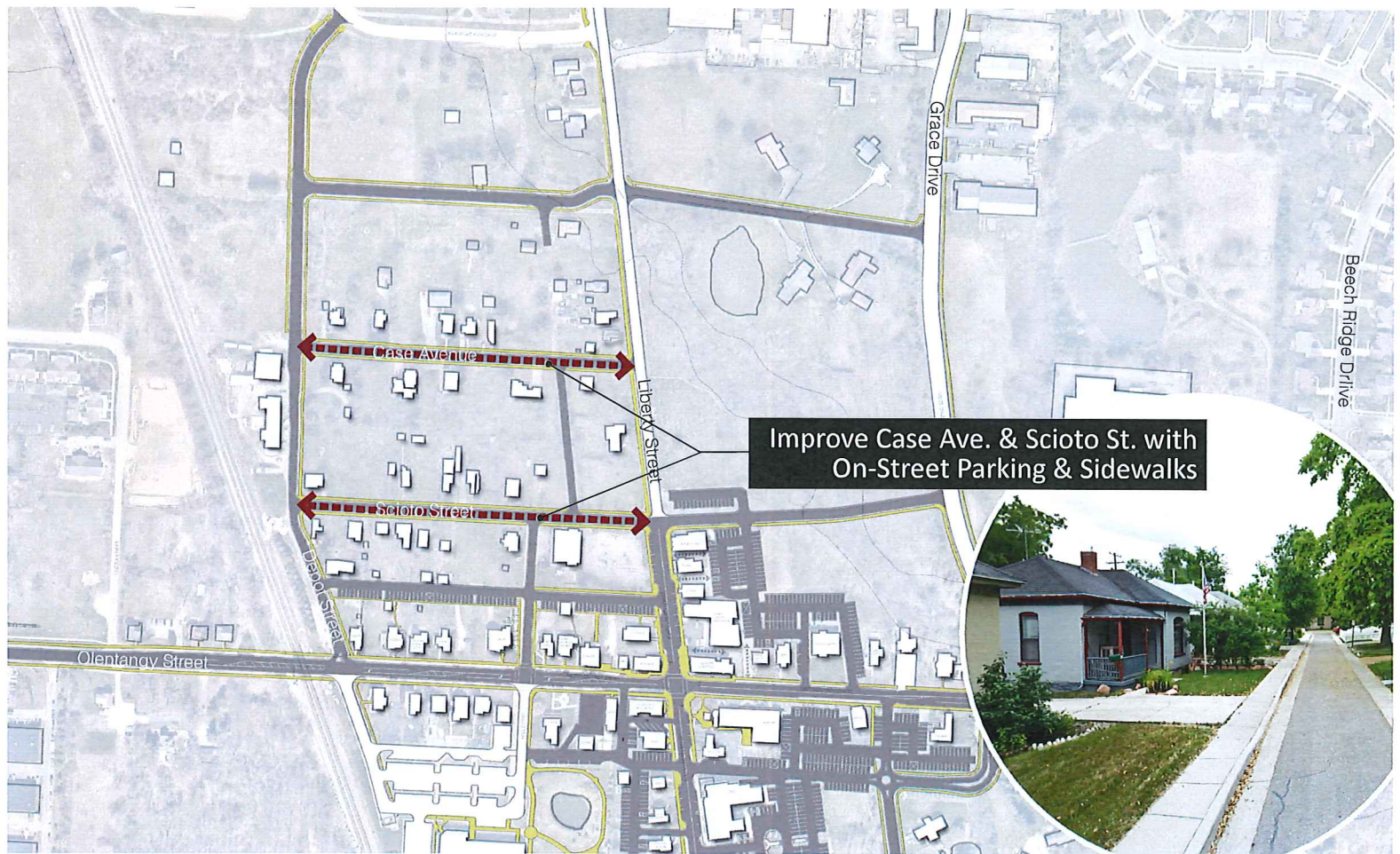
Conceptual Street System

Northwest Quadrant



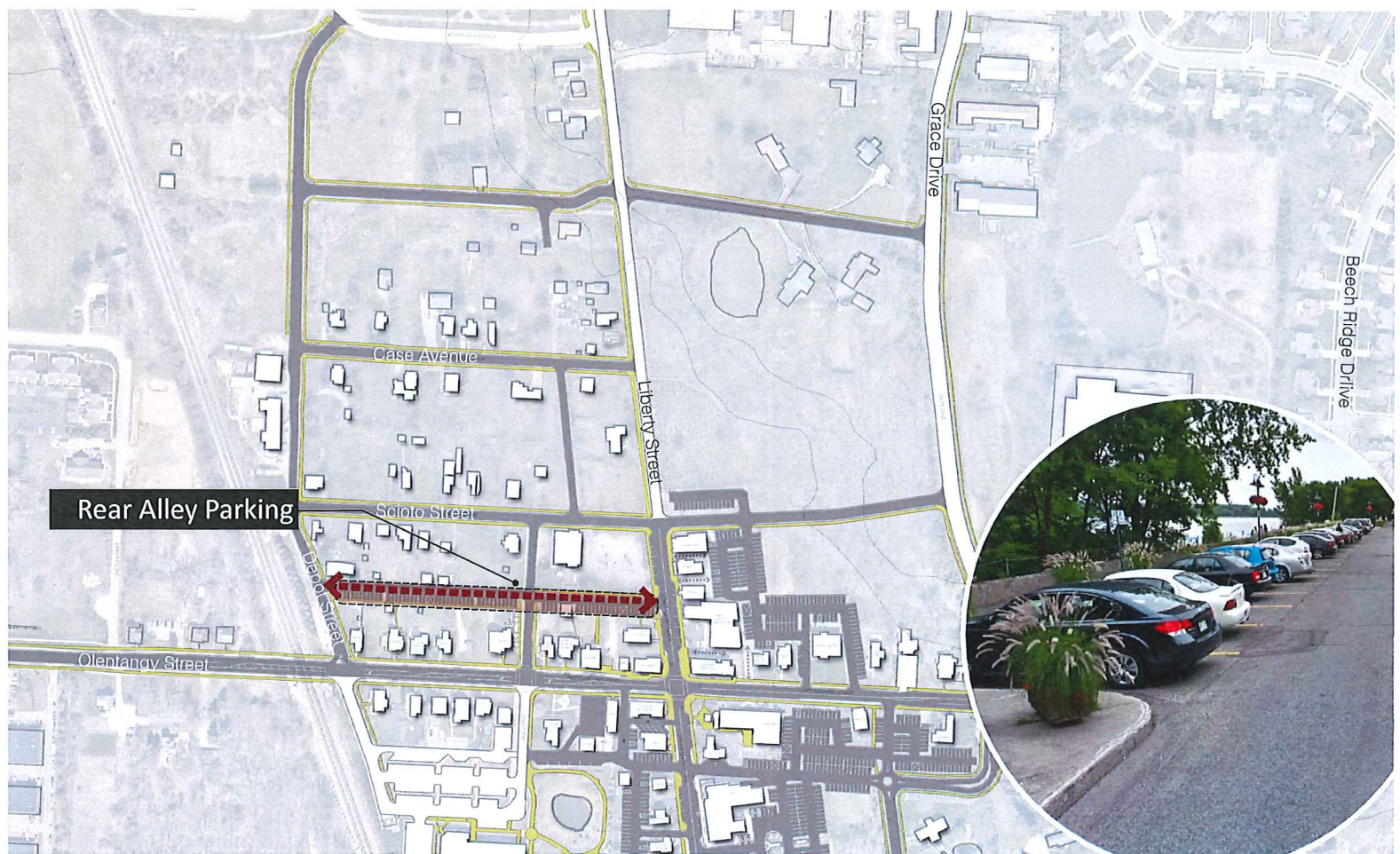
Conceptual Street System

Northwest Quadrant



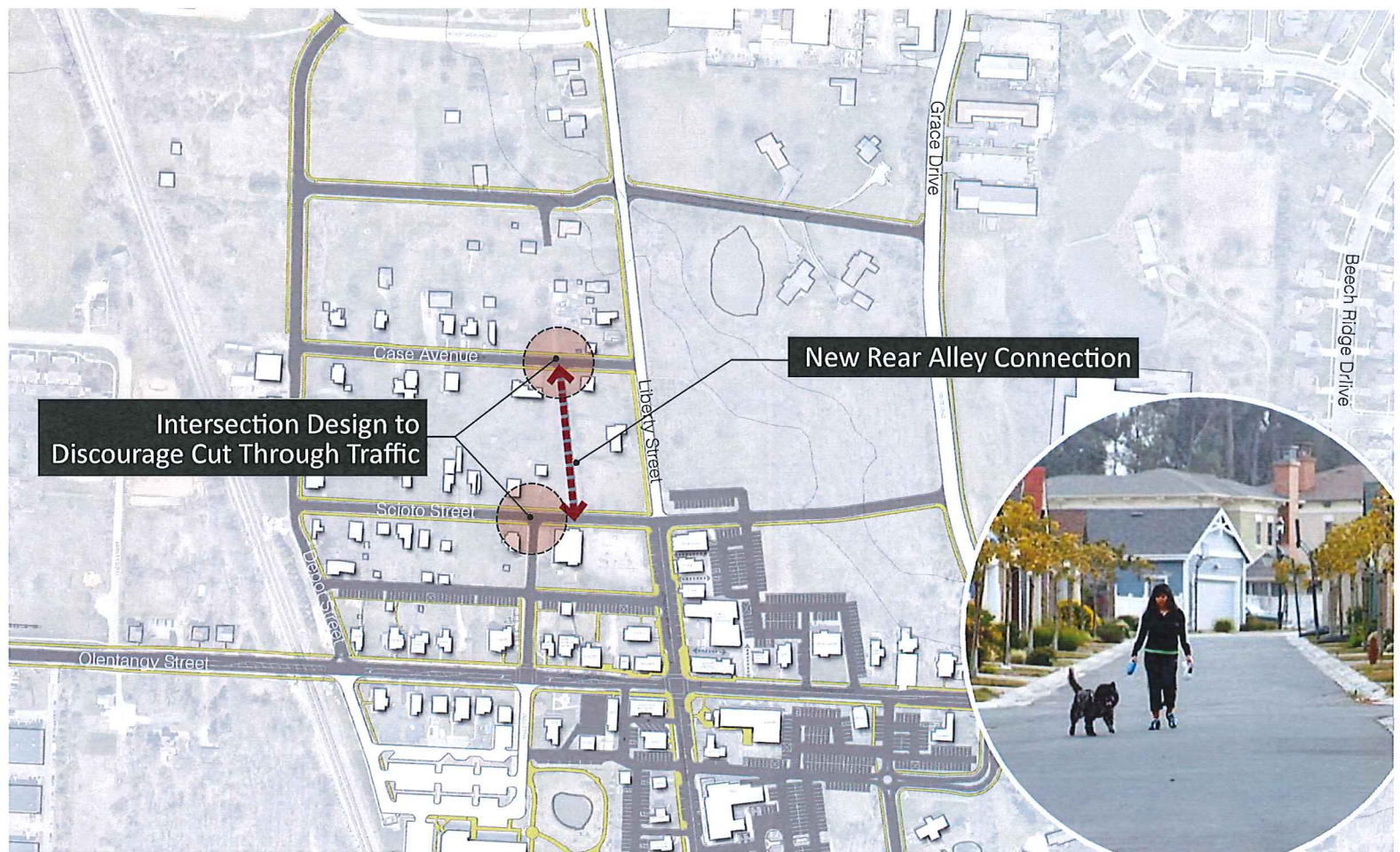
Conceptual Street System

Northwest Quadrant



Conceptual Street System

Northwest Quadrant



Conceptual Street System

Northeast Quadrant



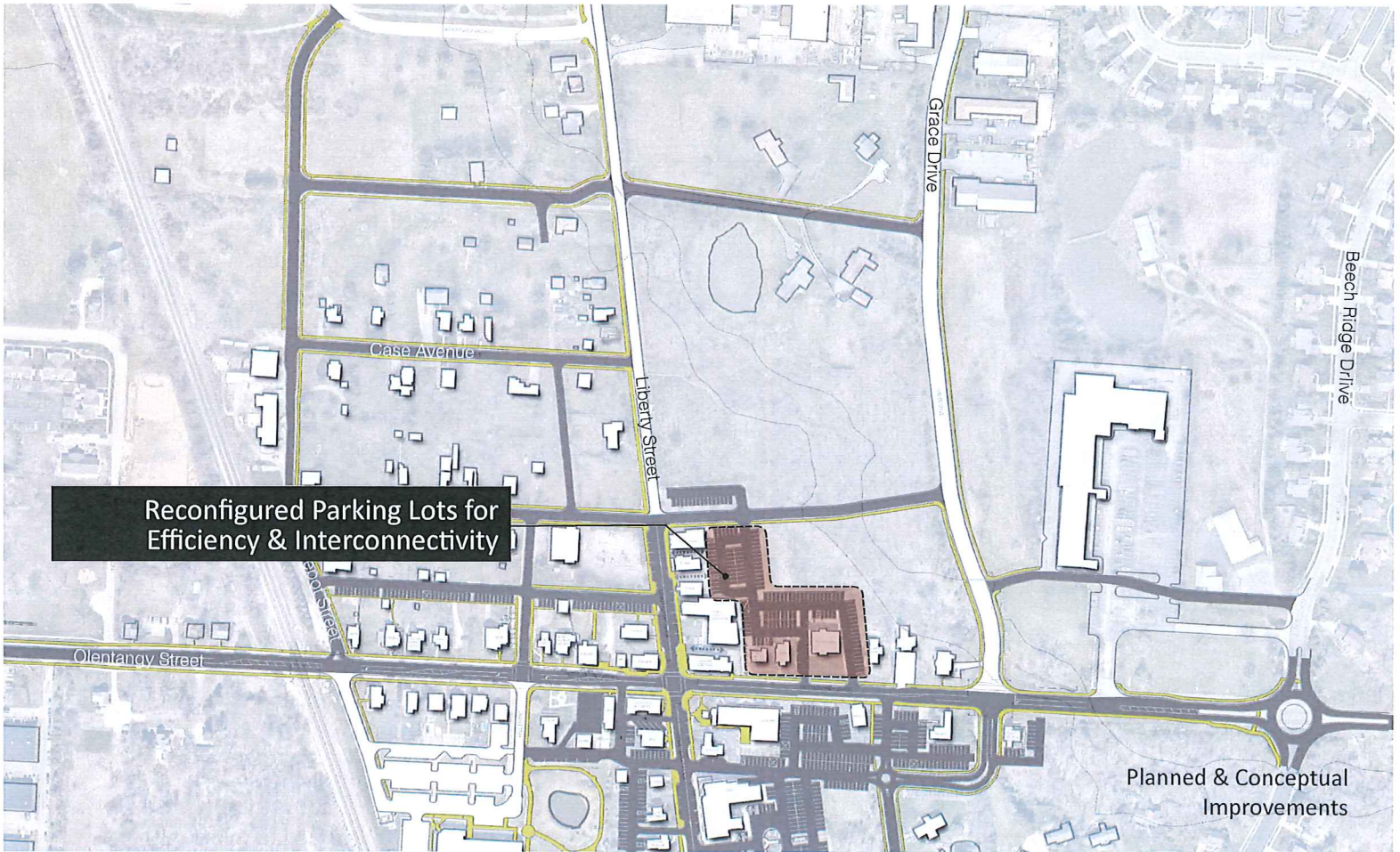
Conceptual Street System

Northeast Quadrant



Reconfigured Parking Lots for
Efficiency & Interconnectivity

Planned & Conceptual
Improvements

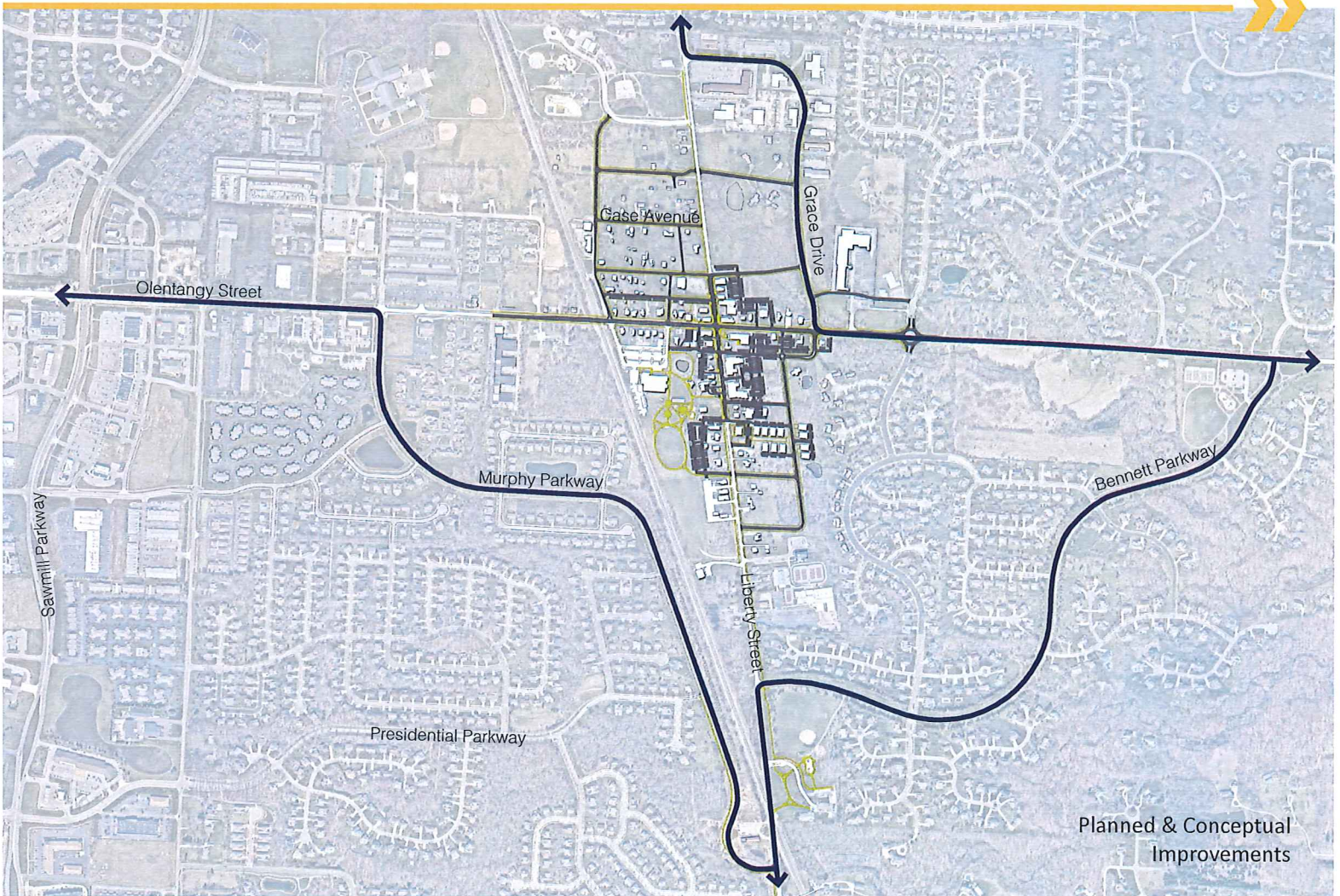


Conceptual Street System

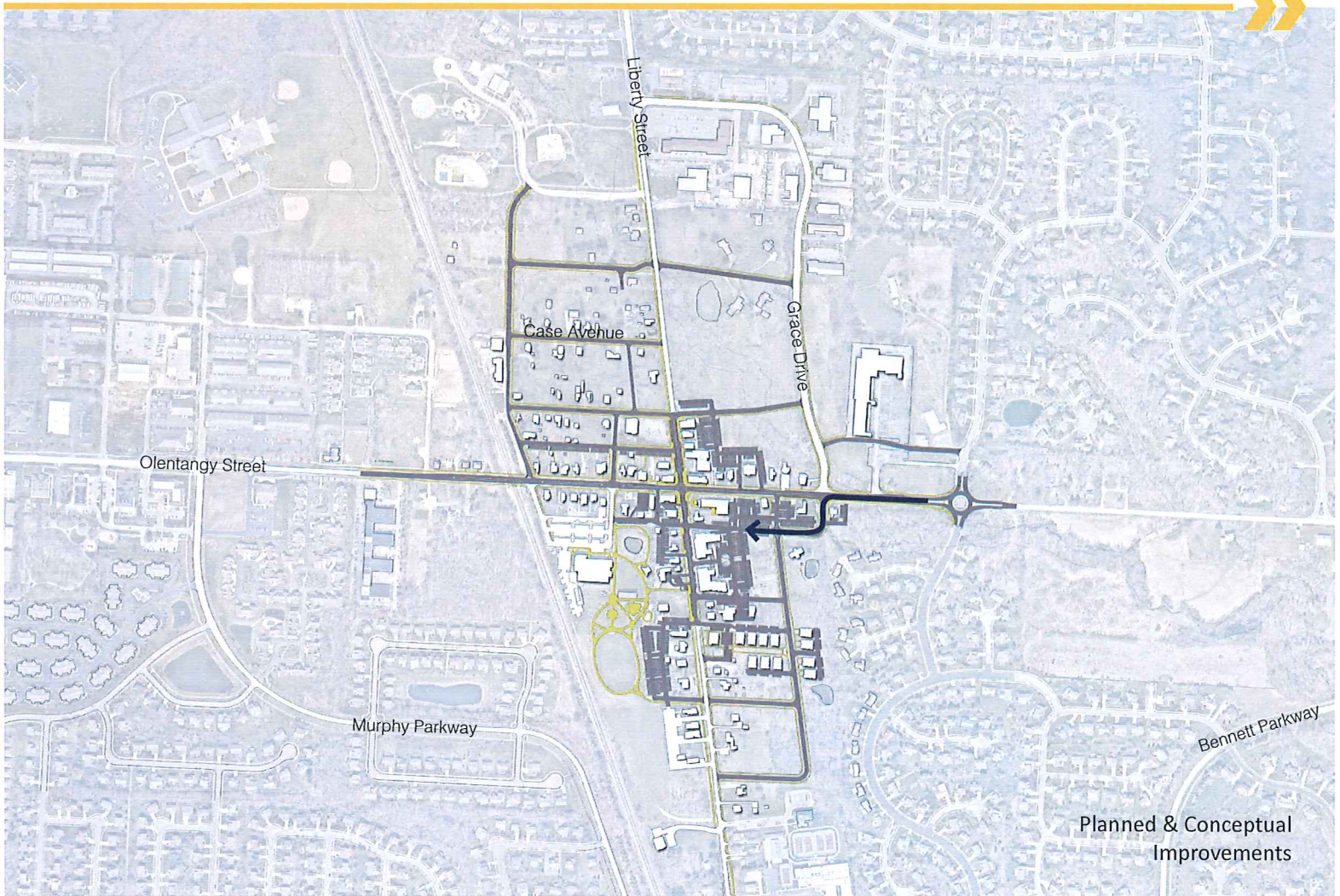
Northeast Quadrant



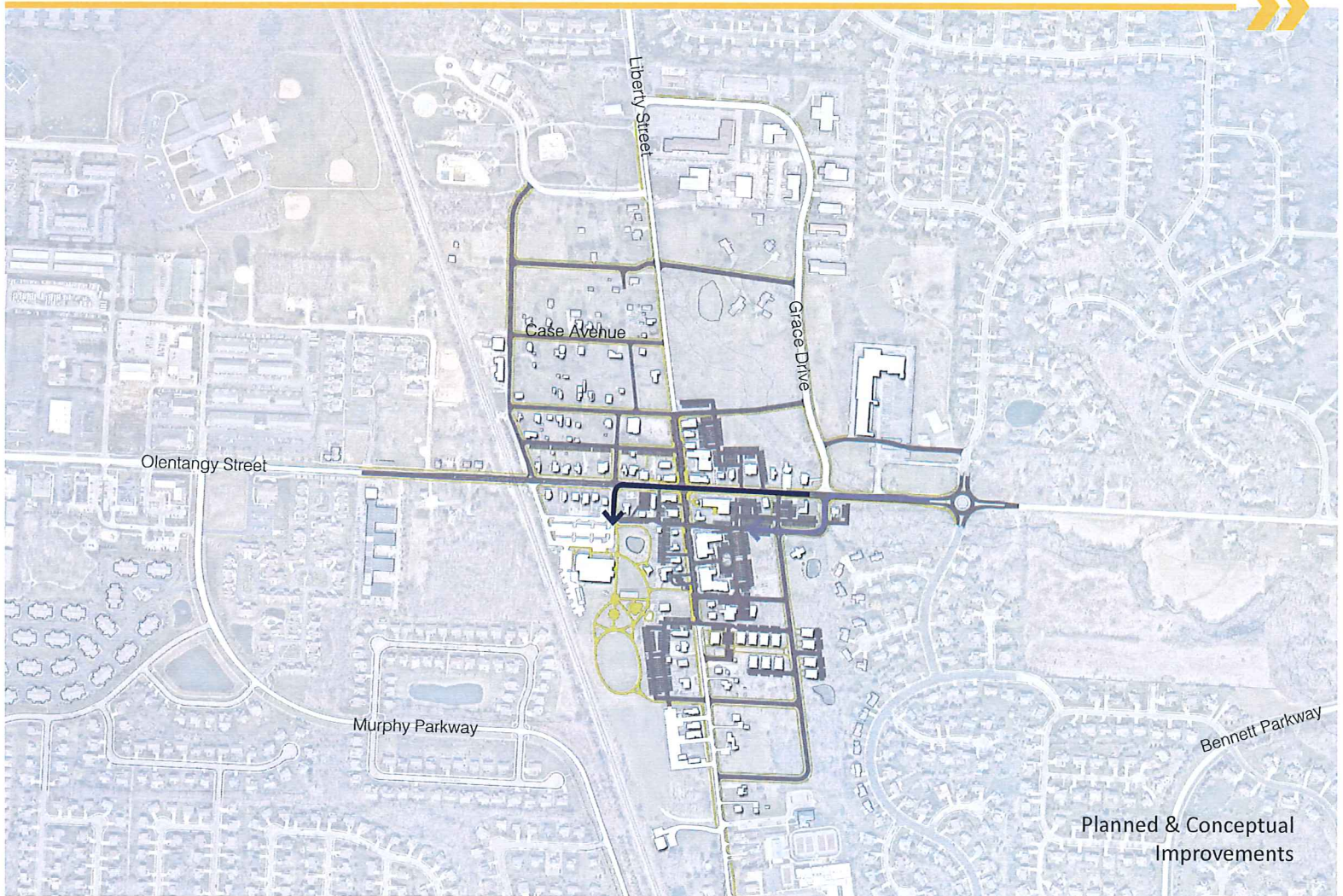
Circulation - Around Downtown



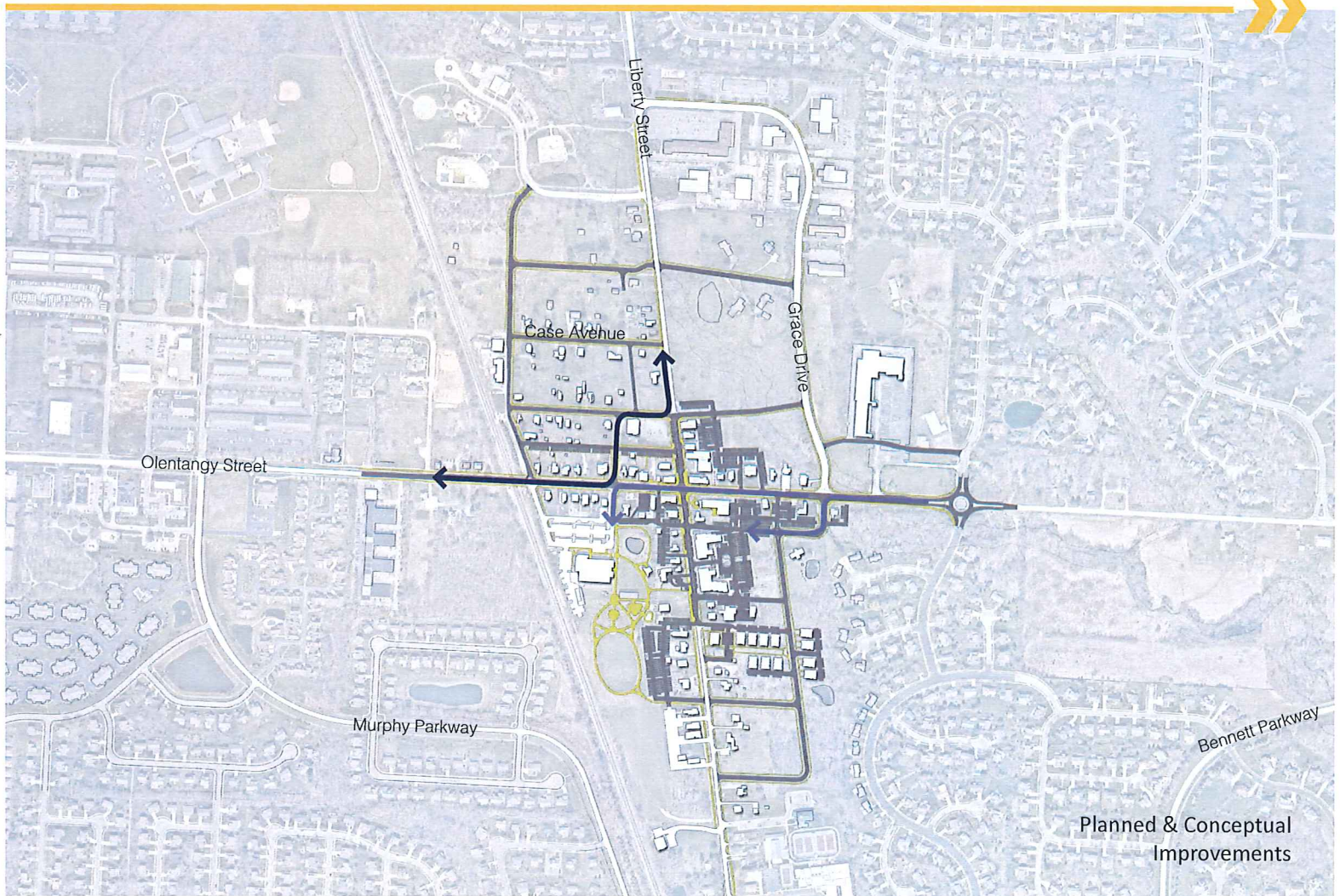
Circulation - Through Downtown



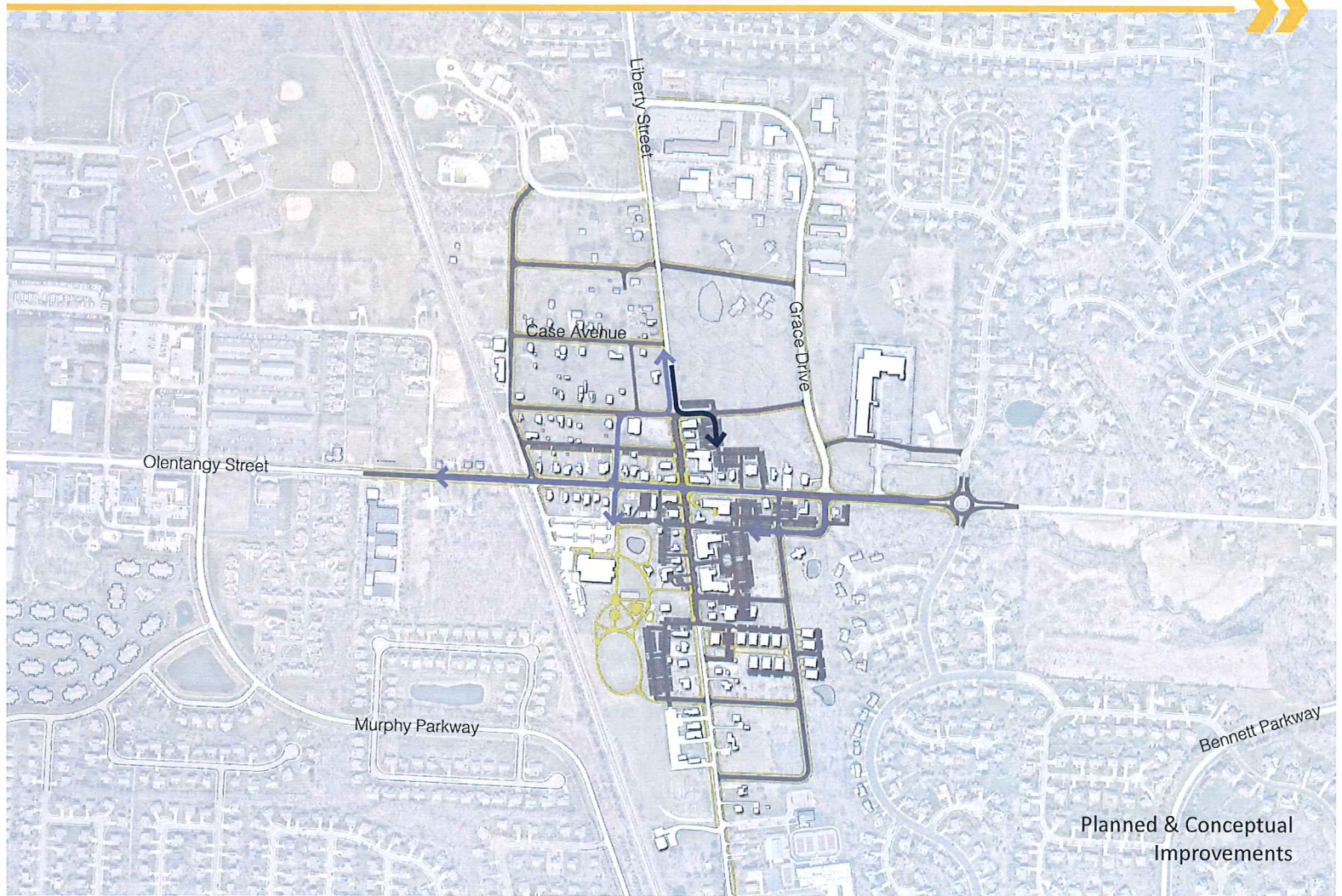
Circulation - Through Downtown



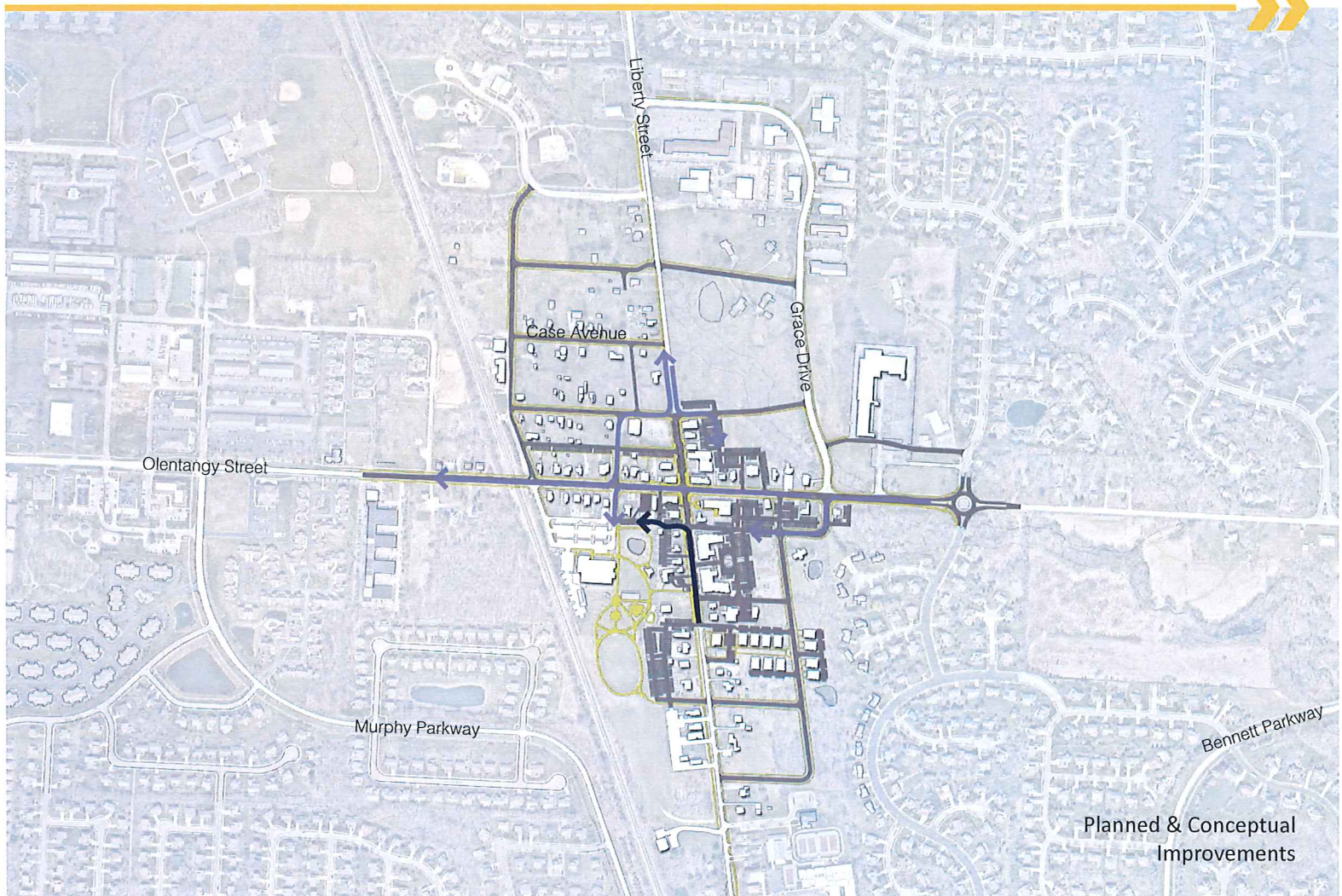
Circulation - Through Downtown



Circulation - Through Downtown



Circulation - Through Downtown



Next Steps



- » 1 Refine the plan
- » 2 Set Implementation Priorities
- » 3 Estimate costs
- » 4 Create a phasing plan
- » 5 Begin design process for priority improvements

Section 5 >>

Questions and Discussion

