SHAKER HEIGHTS

Lee Road Traffic Study and Corridor Plan

Planning Commission & Public Meeting

November 7, 2012

Baker SMITHGROUPJJR

Project Introduction

Purpose:

Improve transportation access and circulation for all modes along Lee Road, and

Improve the character of the commercial district south of Chagrin through streetscape enhancements.

SHAKER HEIGHTS

Goals & Objectives

- Improve **access, safety, and comfort** for all users
- Add **bicycle infrastructure** and connections
- Enhance **streetscape** according to a comprehensive plan
- Raise **quality and character** of commercial area to reflect “Shaker character”
- Support existing businesses and future **economic development**
- Create city **gateways**
- Reduce **environmental impacts**

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Meeting Agenda

1. Traffic Study Recommendations
2. Bicycle and Pedestrian Enhancements
3. Streetscape Recommendations

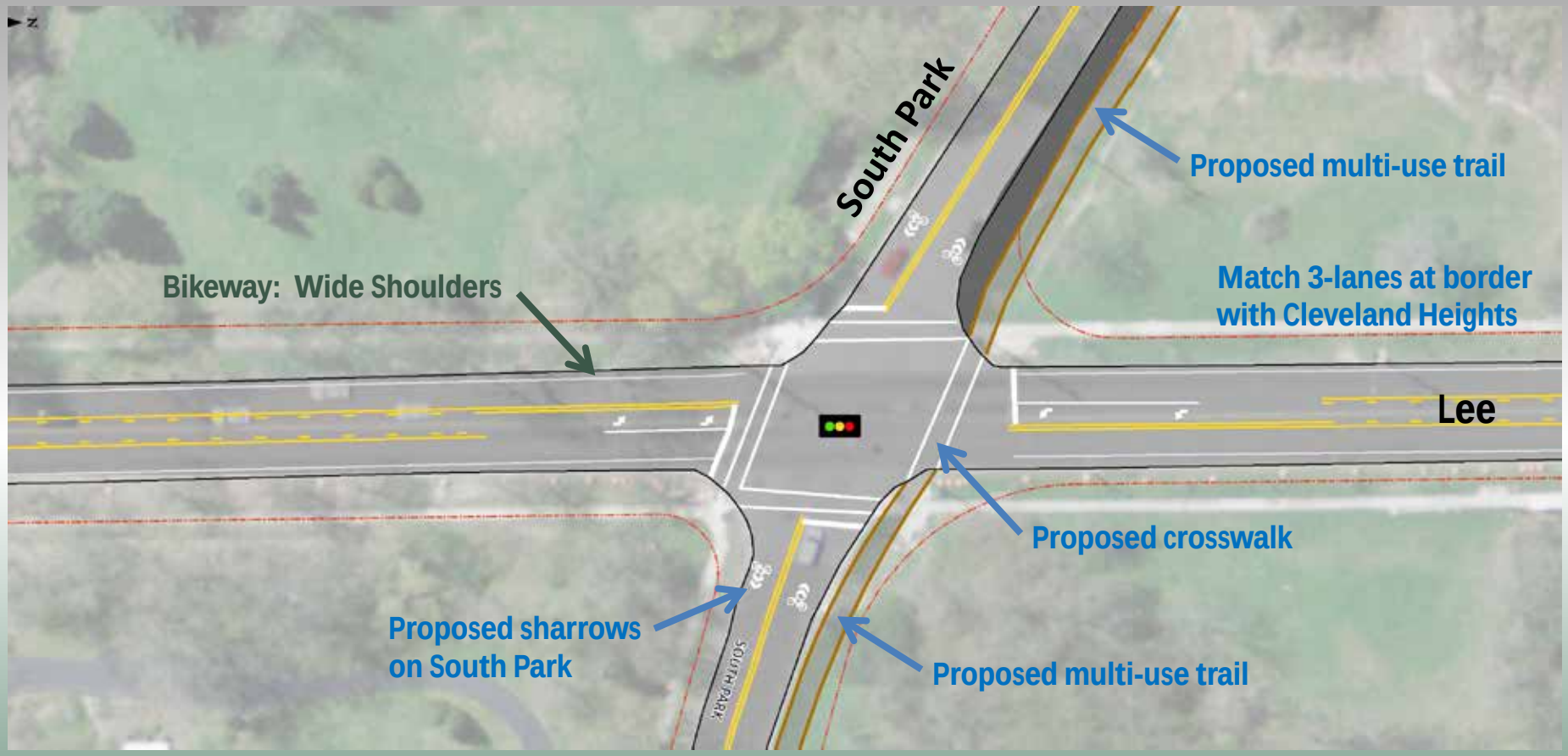
Traffic Analysis Results

	Fairmount	North Park	South Park	Shaker	S. Woodland	Parkland	Aldersyde	Van Aken	Library-Heinen's	Chagrin	Lomond	Scottsdale
AM PEAK HOUR												
Existing	C	C	B	C	C	B	B	D	A	C	A	B
	33	20	14	30	21	15	11	44	3	25	5	11
Recommended	C	C	B	D	C	B	B	D	A	C	A	B
	30	20	13	41	22	15	14	45	4	21	4	10
PM PEAK HOUR												
Existing	D	B	B	C	C	A	A	D	A	C	A	B
	39	20	12	30	22	9	4	48	7	30	4	14
Recommended	D	B	A	D	C	A	A	D	A	C	A	B
	44	15	10	44	20	9	10	50	7	22	5	14

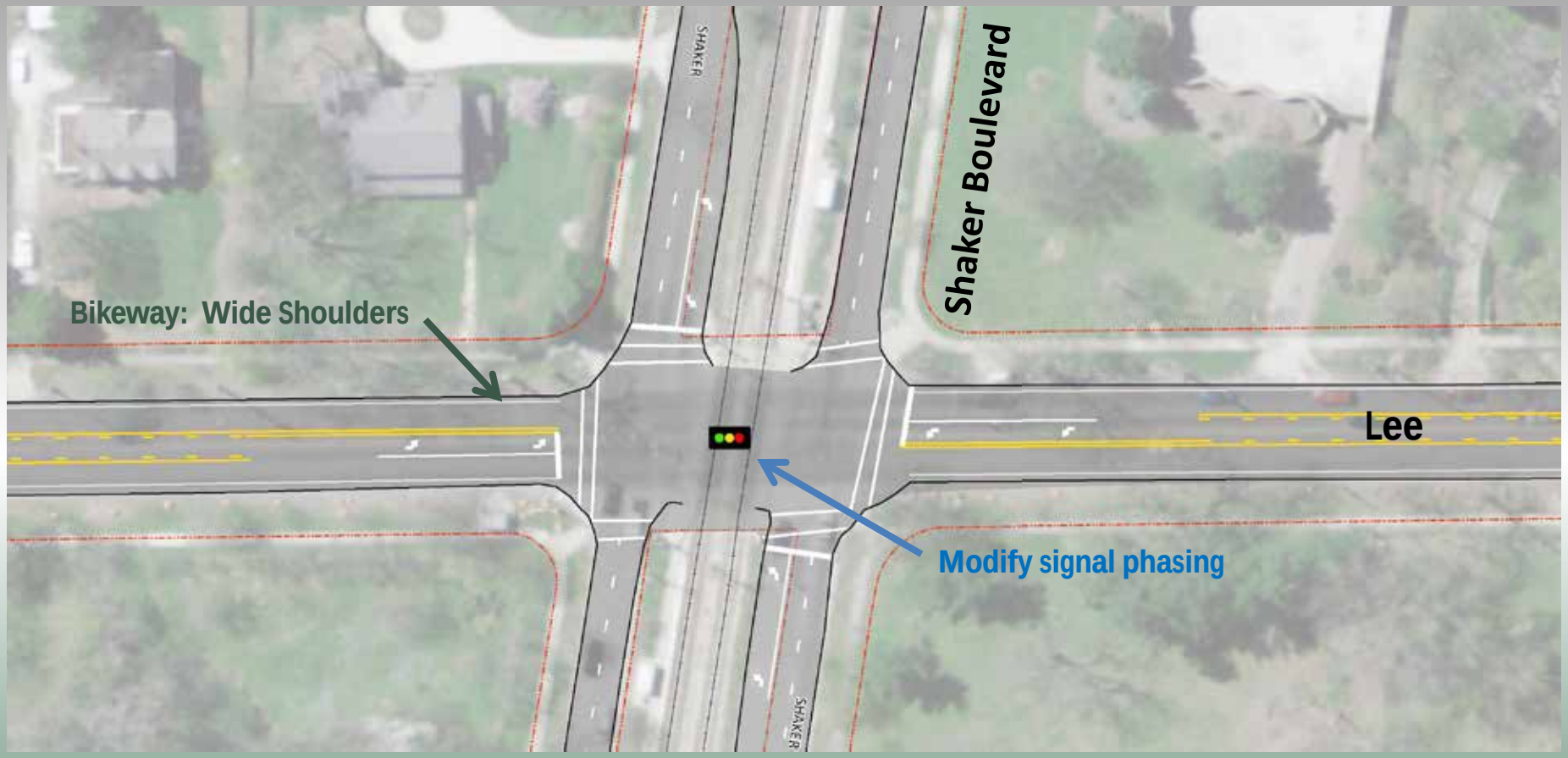
Traffic Analysis – Recommendations

1. Reconfigure Lee Road corridor
   - 3-lanes: South Park to City Hall
   - Existing: City Hall to Chagrin
   - 3-lanes: Lomond to Scottsdale
2. Modify signal operations at Shaker/Lee
3. Modify intersection configuration: Woodland, Chagrin-Kenyon, Lomond and Scottsdale
4. Bicycle facilities:
   - Wide shoulders: South Park to City Hall
   - Sharrows: Van Aken to Lomond
   - Bike Lanes: Lomond to Scottsdale

Corridor Recommendations



Corridor Recommendations



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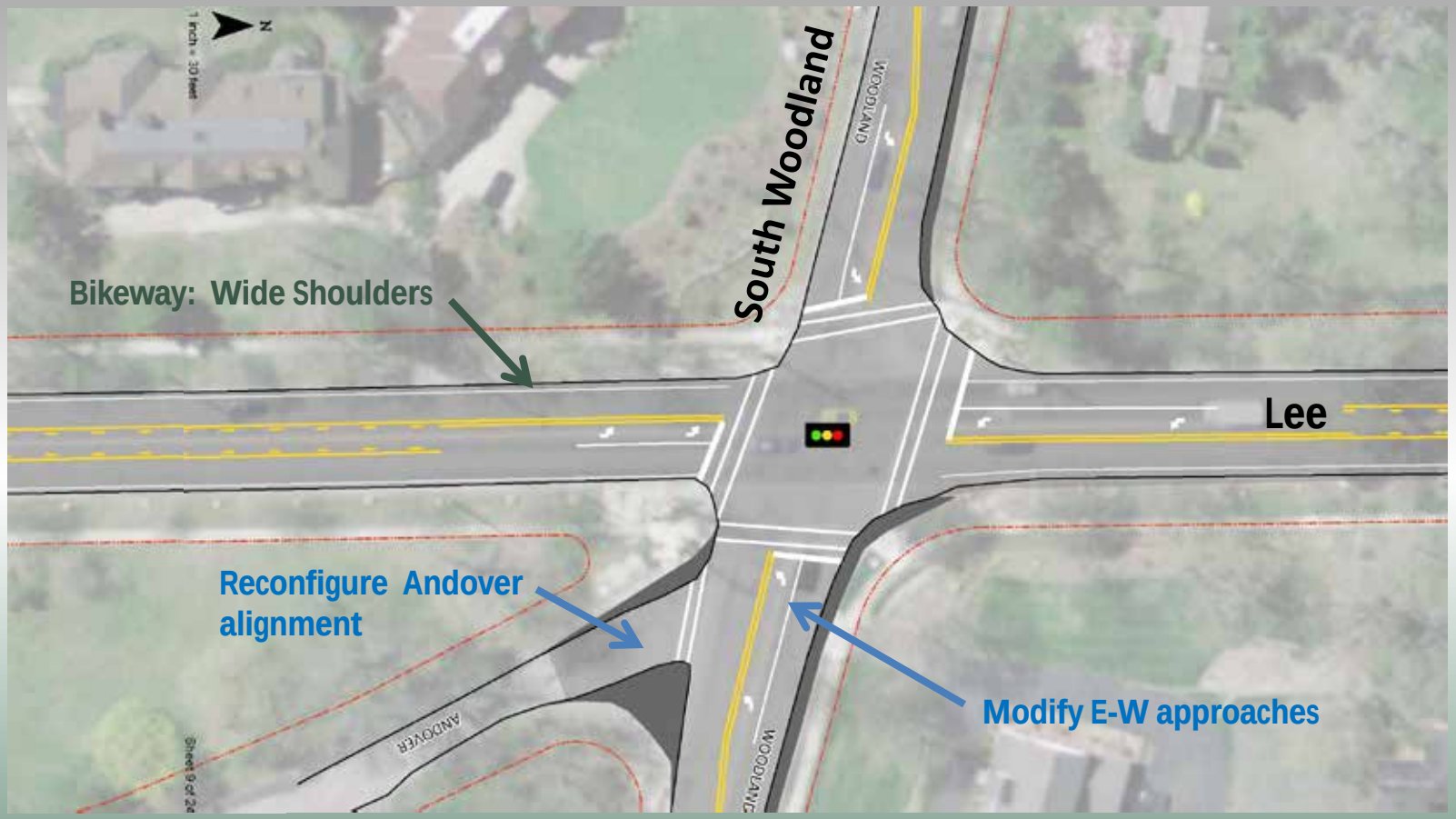

Corridor Recommendations

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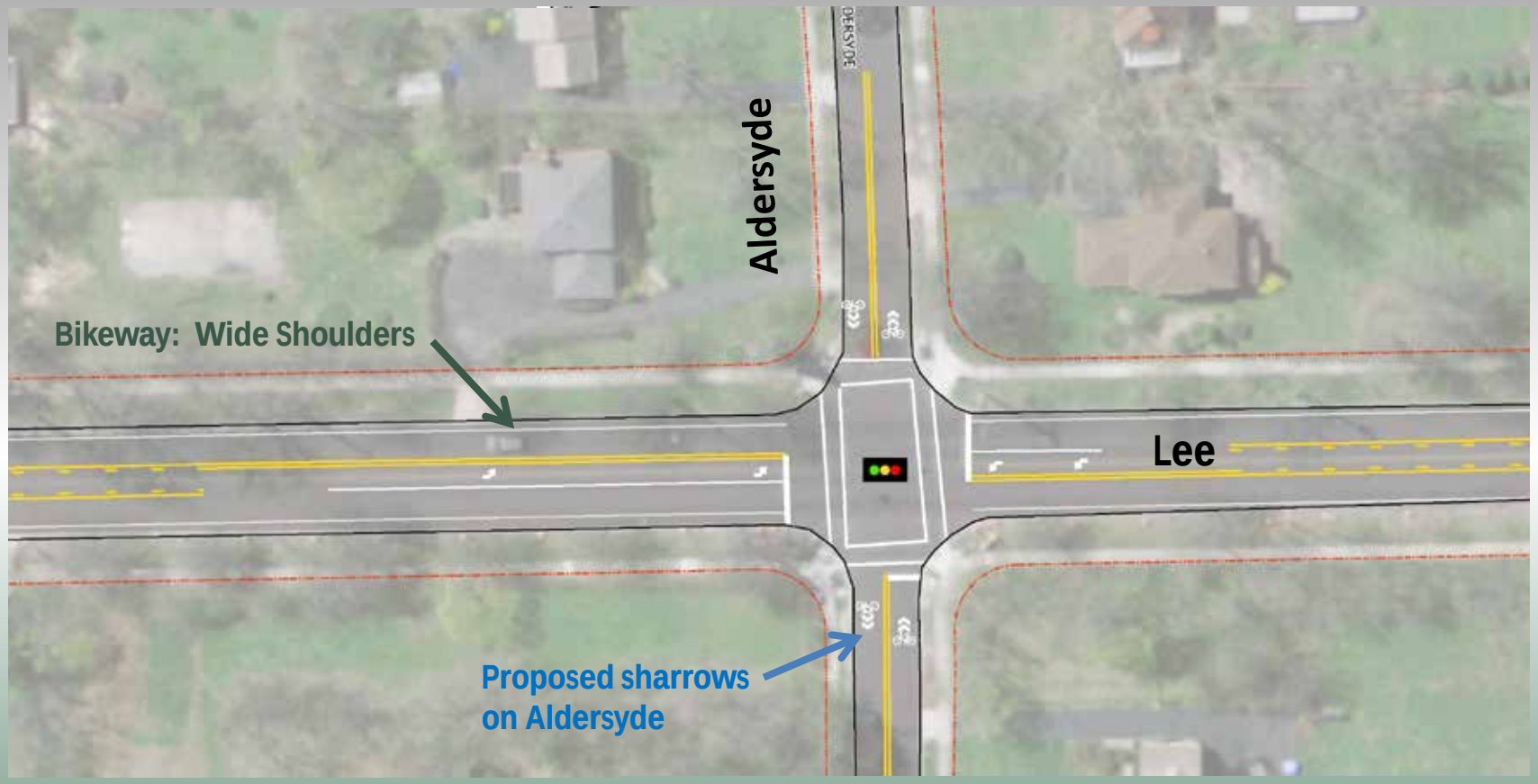

Corridor Recommendations

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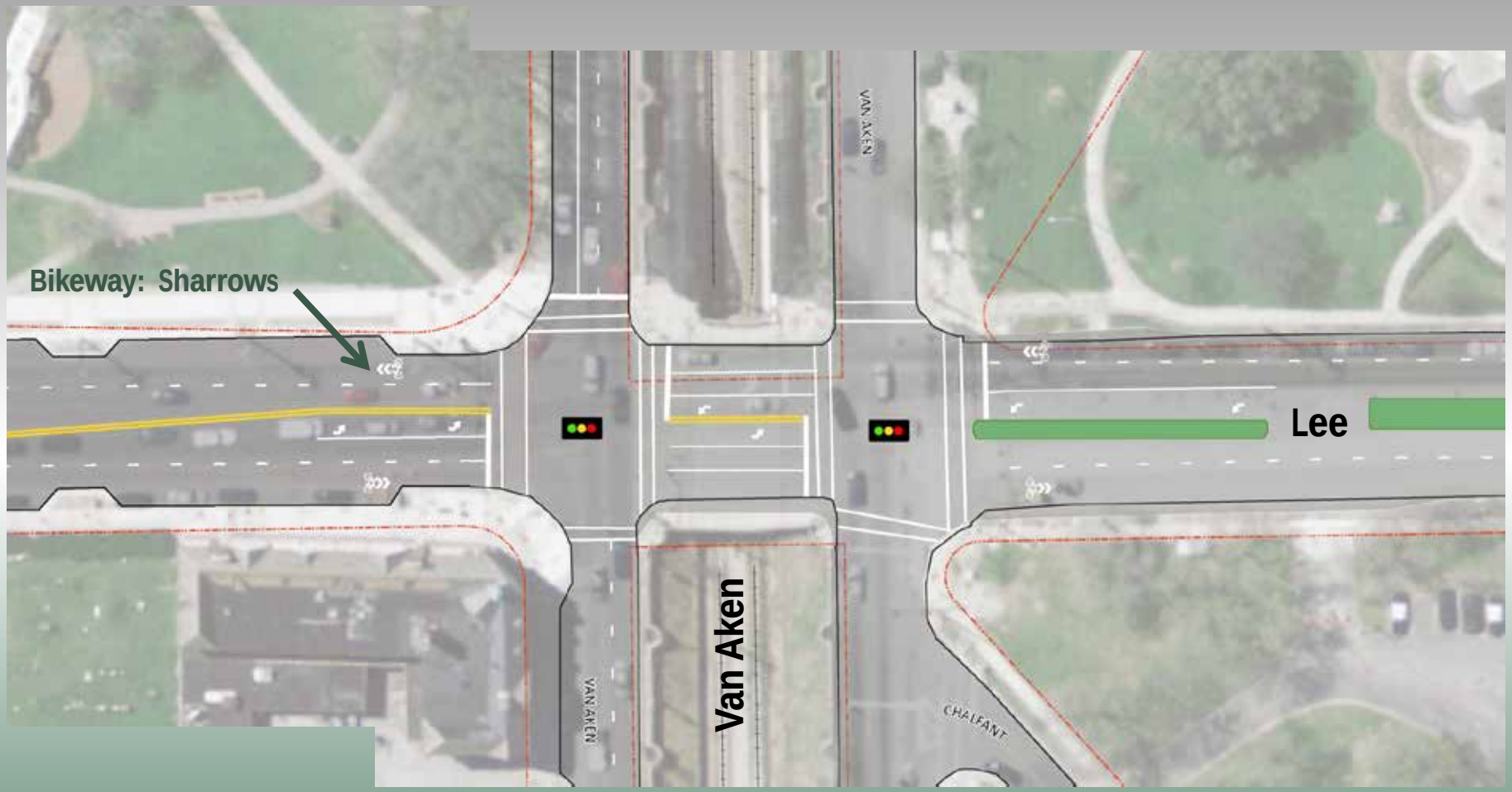

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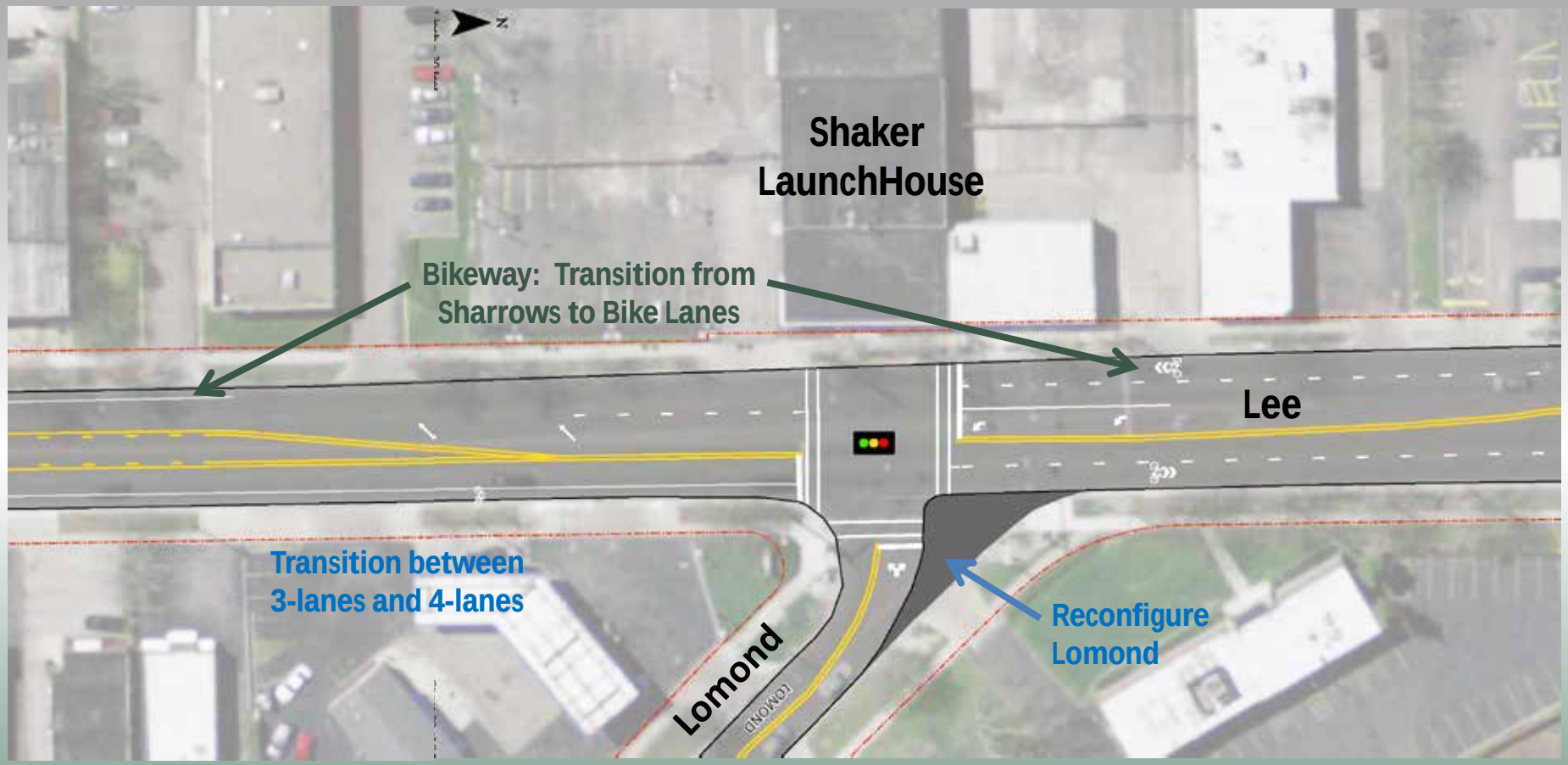

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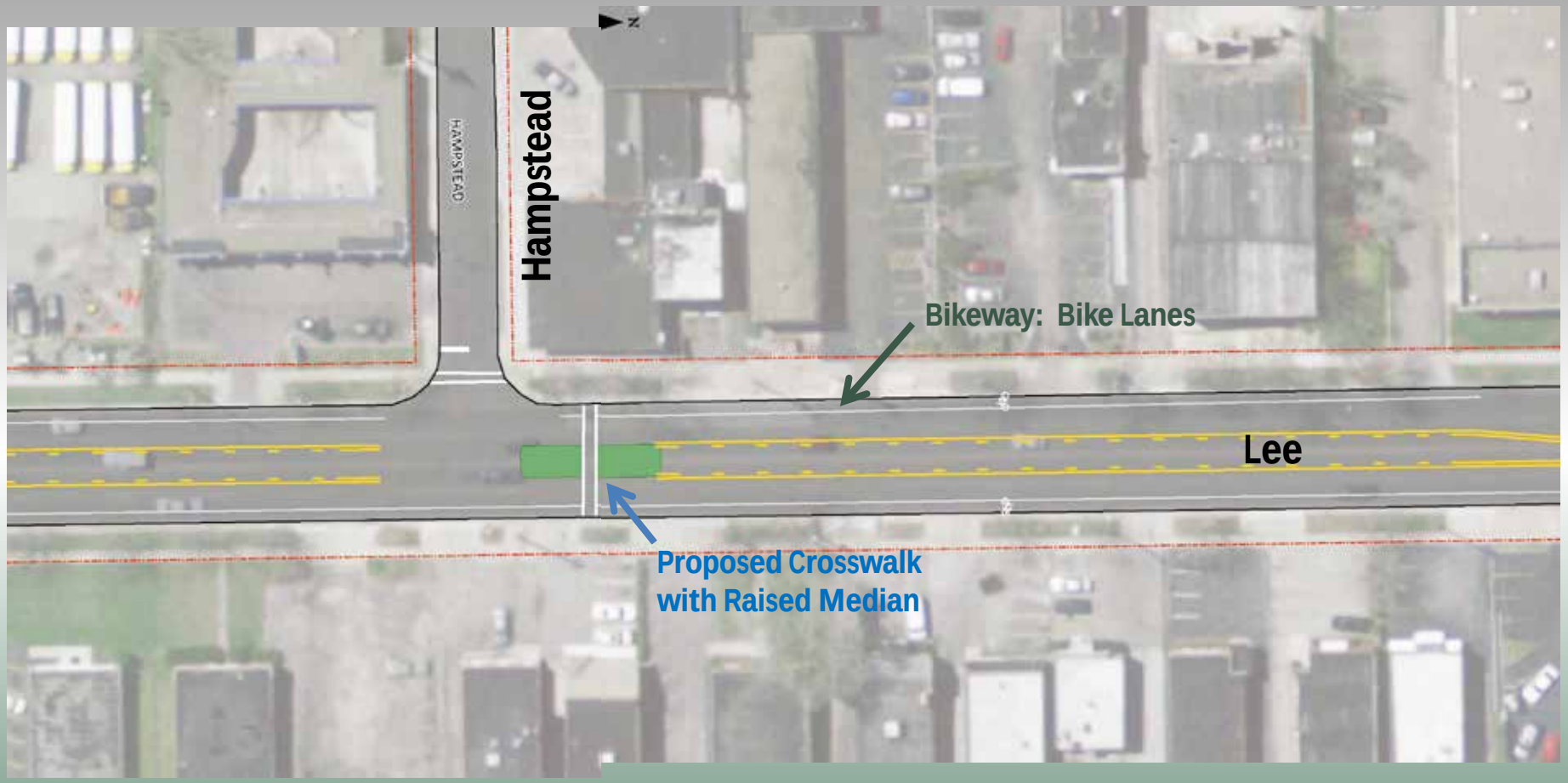

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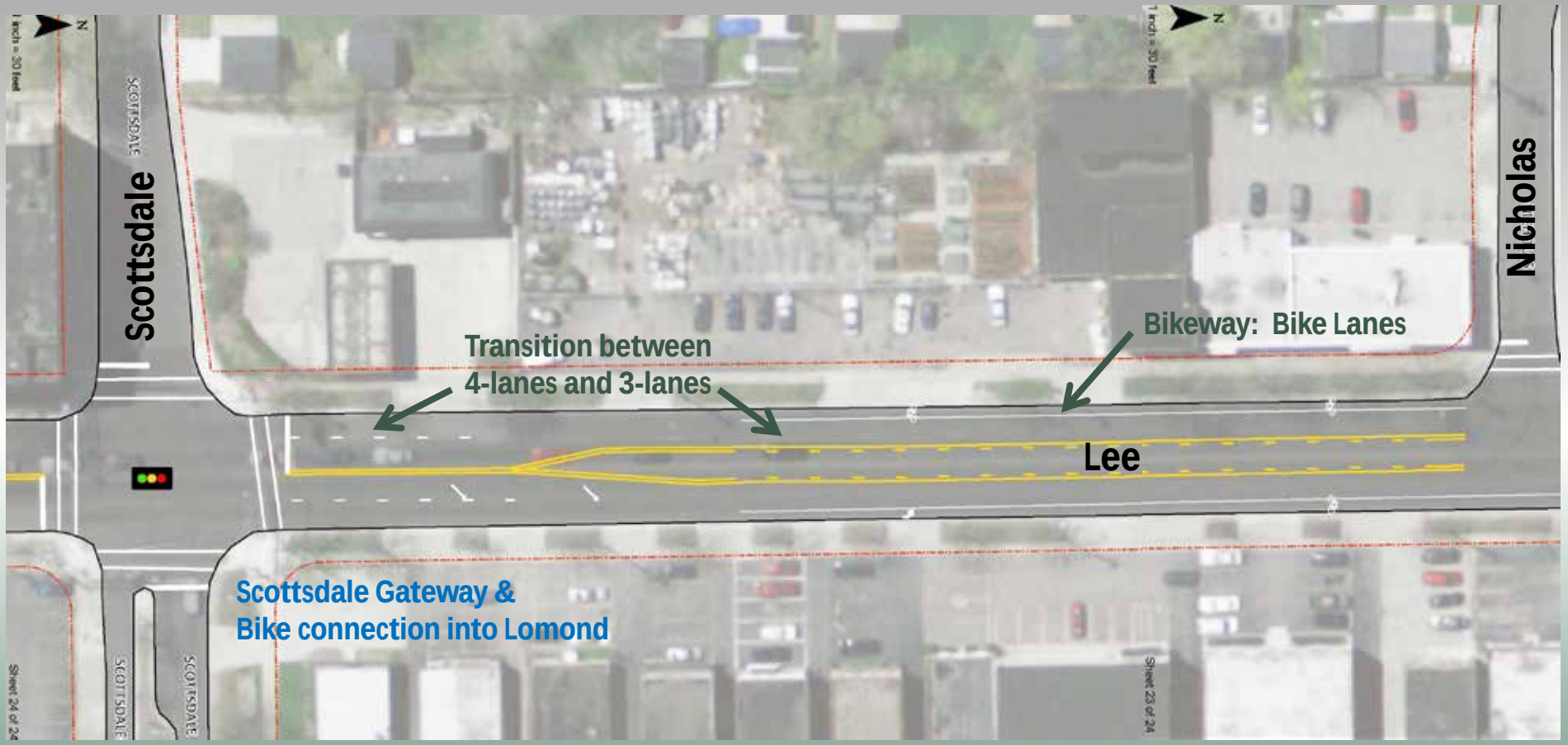
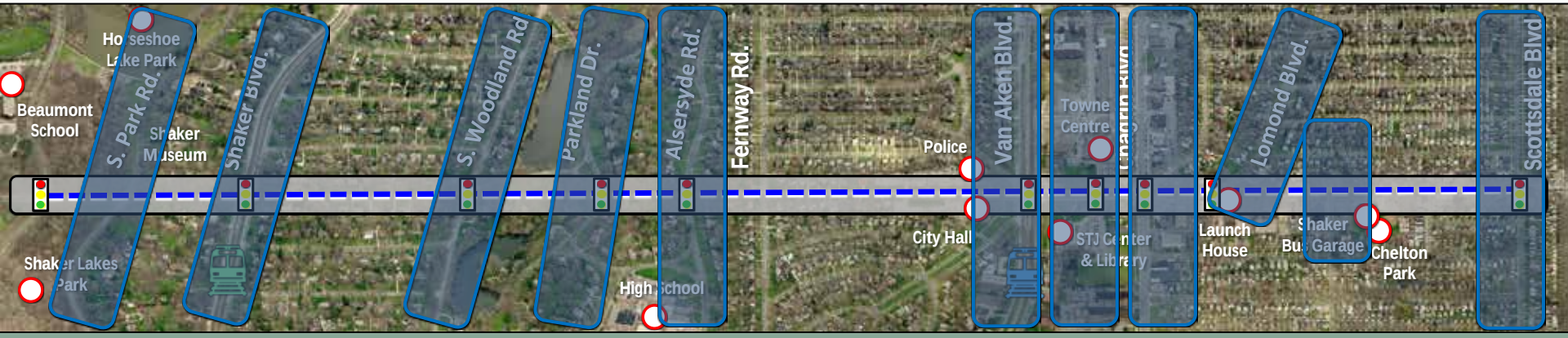


Bike & Ped Enhancements

- Striped shoulder / sharrows / bike lanes
- Remove encroaching vegetation (sidewalks)
- Visibility at intersection corners
- Ped/ADA accommodations, as needed
- Countdown pedestrian signal heads

  South Park, Shaker, Parkland, Aldersyde, Van Aken, Library/Town Center, Chagrin, Lomond, Scottsdale

- Bikeways
  - South Park
  - South Woodland
  - Aldersyde
- Reconfigure intersections
  - South Woodland
  - Chagrin-Kenyon
  - Lomond
  - Scottsdale (gateway)
- Safety study at Van Aken intersection
- Crosswalk with raised median at Hampstead



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Importance of Streetscape

Establish character + identity (Brand)

Address various needs of different users

- Vehicles
- Pedestrians
- Bicyclists

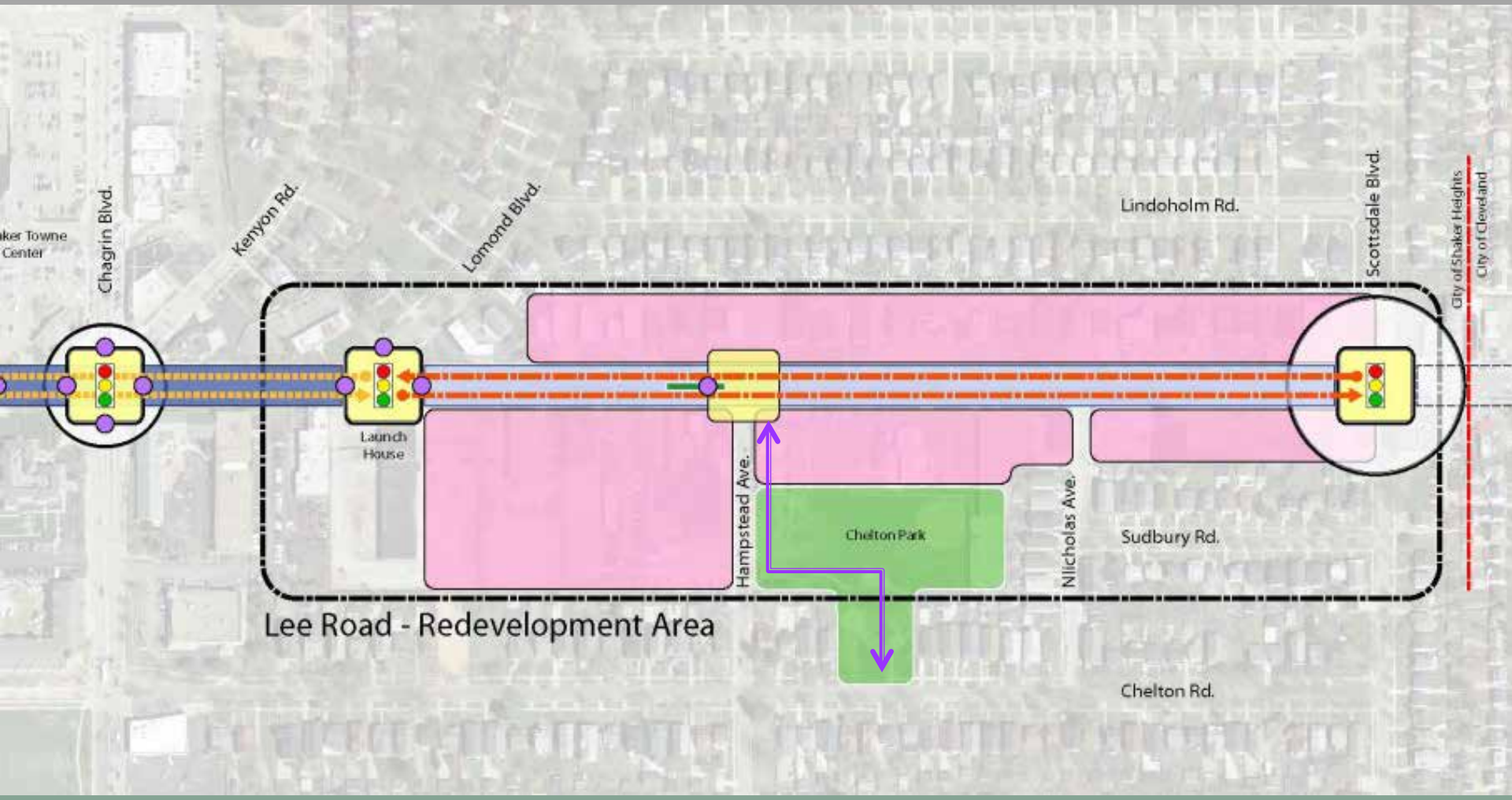
Promote safety

Support businesses + economic development

Serve as flexible multi-purpose public space

Streetscape Framework Plan

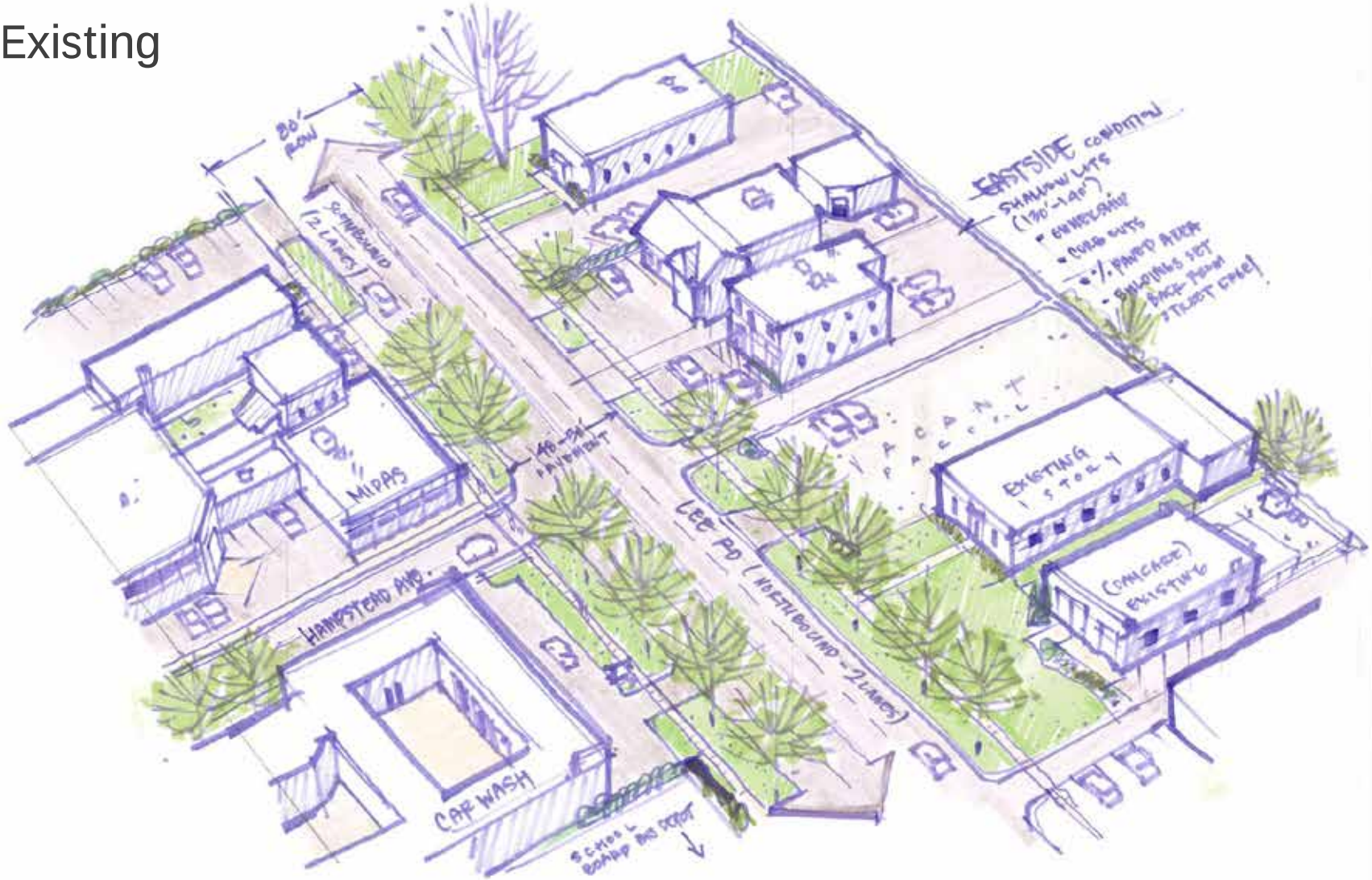
South Section – Chagrin Blvd. to Scottsdale Blvd.



Lee Road - South Section

Chagrin Blvd. to Scottsdale Blvd.

Existing



Lee Road - South Section

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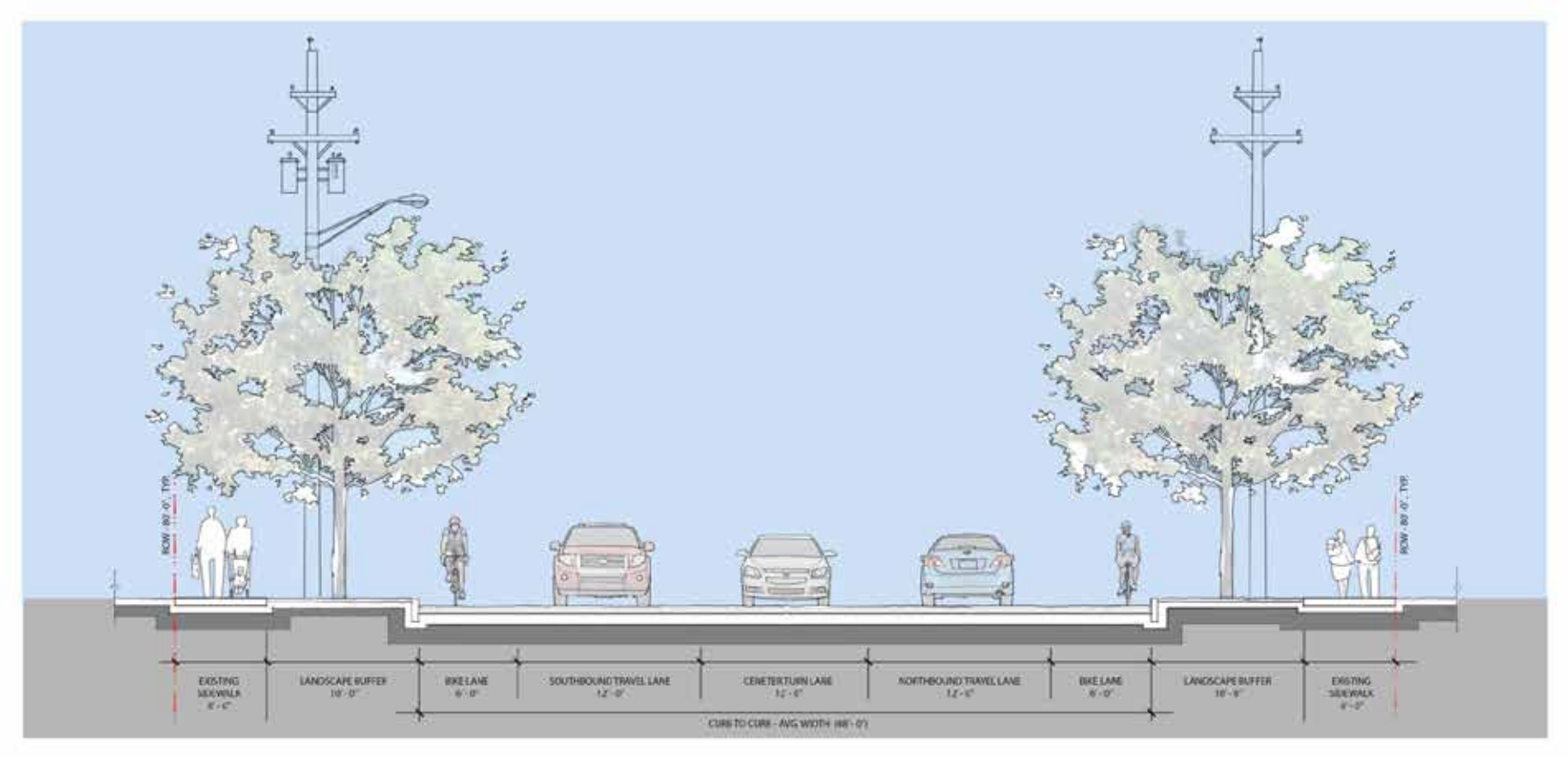
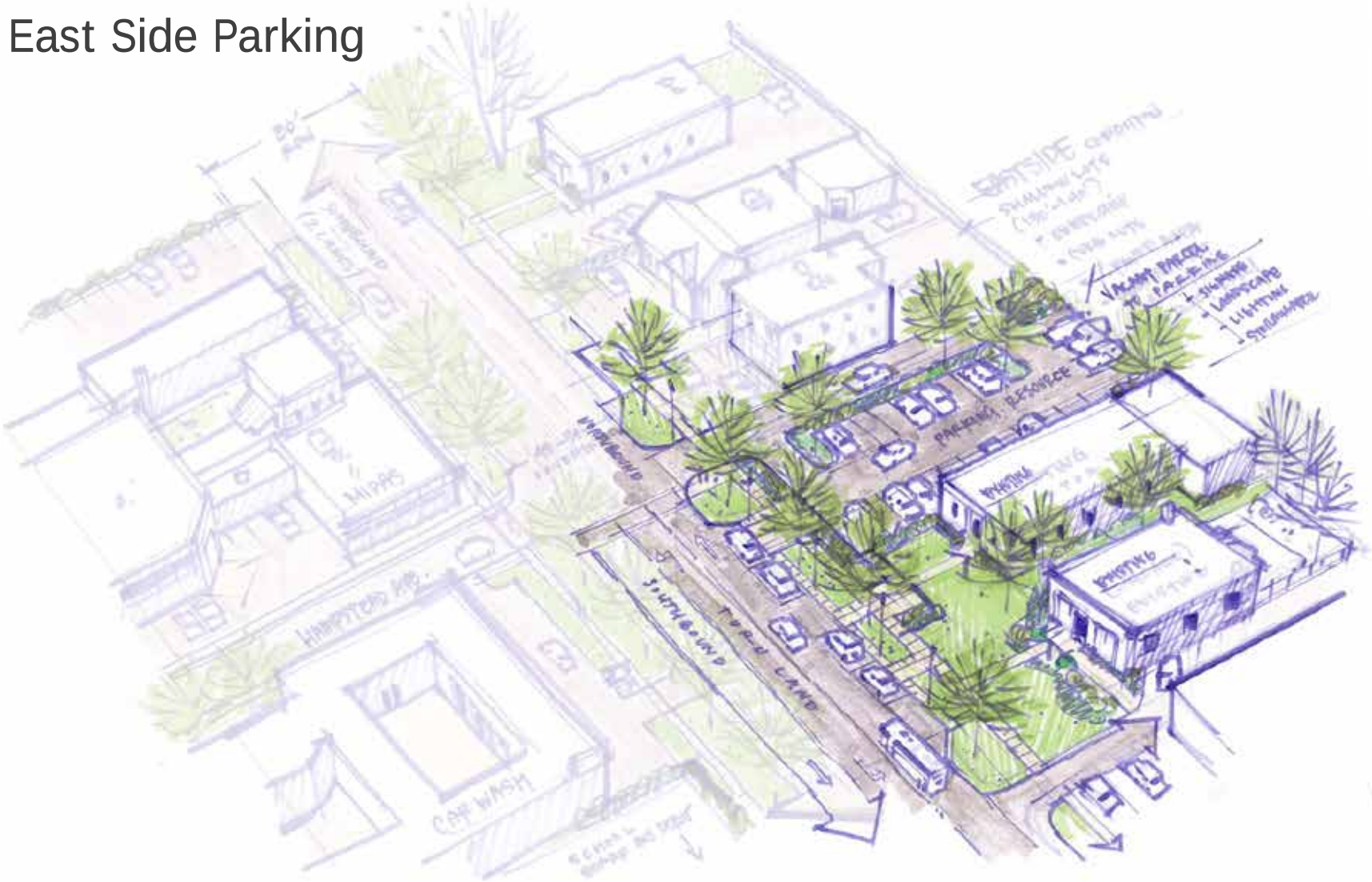


3-lane roadway with dedicated bike lanes

Lee Road - South Section

Chagrin Blvd. to Scottsdale Blvd.

East Side Parking



Lee Road - South Section

Chagrin Blvd. to Scottsdale Blvd.

East Side Redevelopment

Lee Road - South Section

Chagrin Blvd. to Scottsdale Blvd.

Lee Road - South Section

Chagrin Blvd. to Scottsdale Blvd.

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Lee Road - South Section

Chagrin Blvd. to Scottsdale Blvd.

Streetscape Design

<u>Aesthetics/Character</u>

§ Context + Setting (style, history, local)
§ Materials Palette (brick, copper, etc.)
§ Brand - Logos (color, font, Etc.)
§ Expression - Traditional vs. Contemporary

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<u>Elements</u>

§ Hardscape
§ Landscape
§ Signage + Wayfinding
§ Lighting
§ Site Furnishings
§ Special Features
§ Public Art
§ Stormwater

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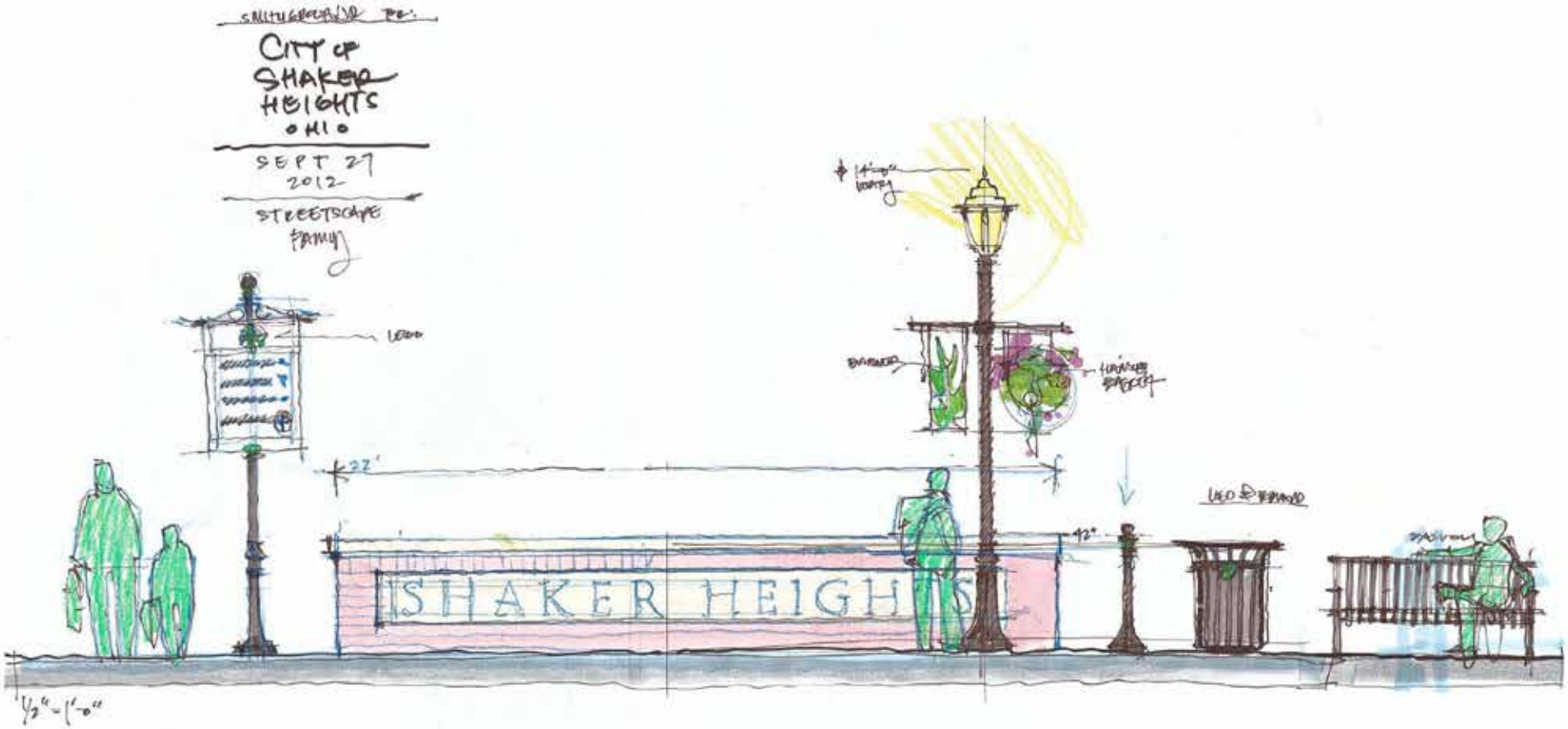
Streetscape - Traditional



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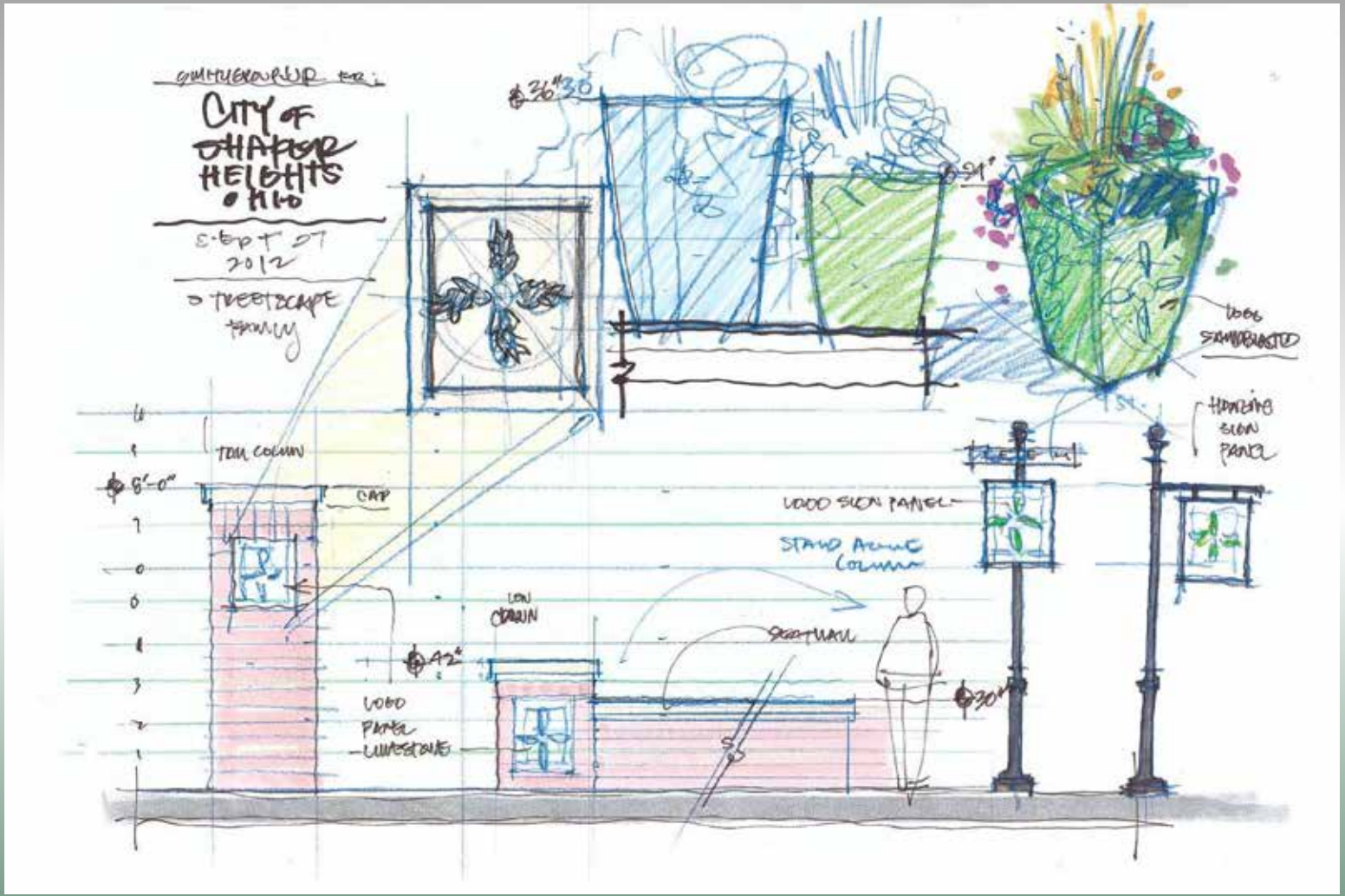
Streetscape - Traditional



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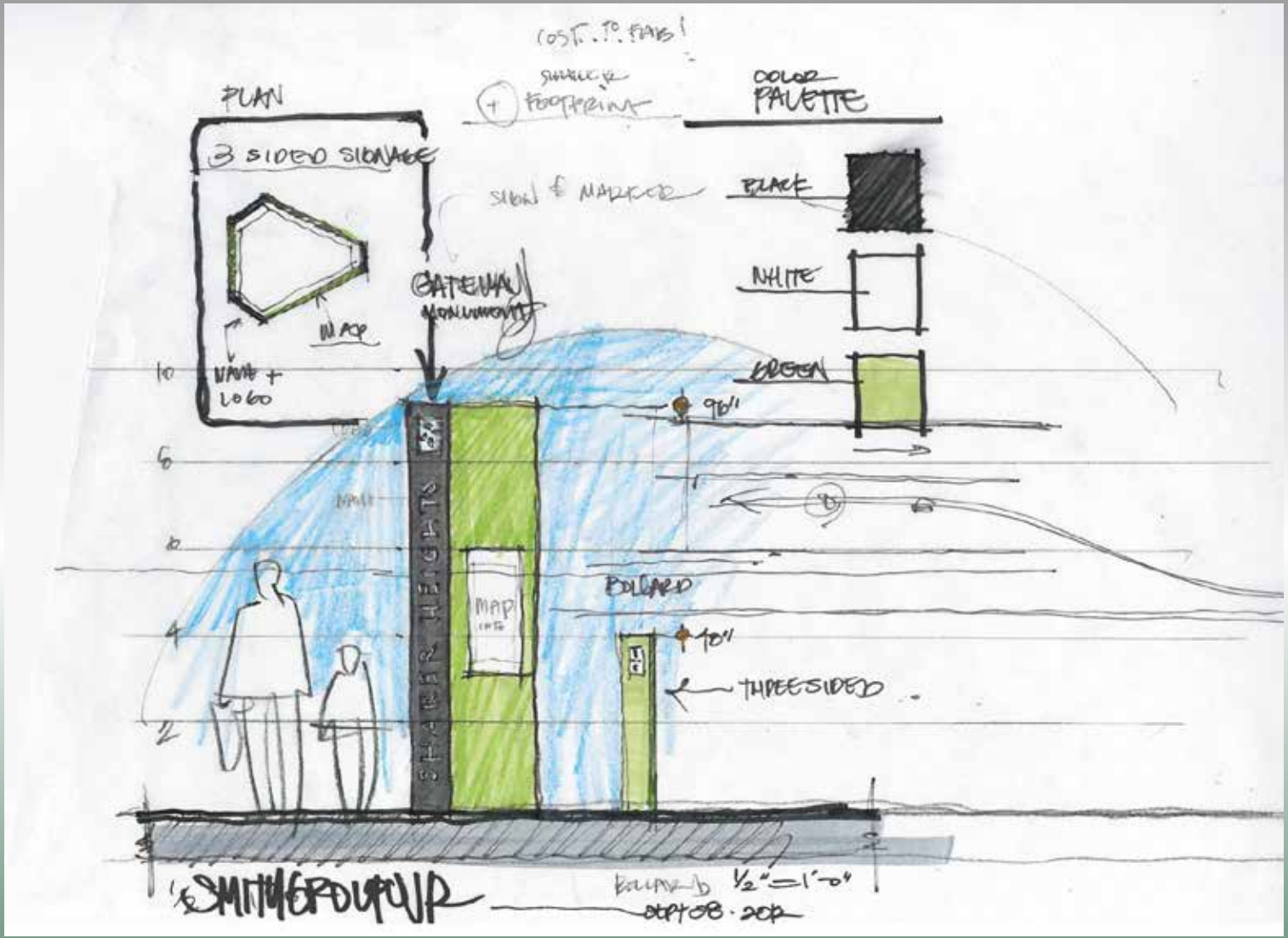
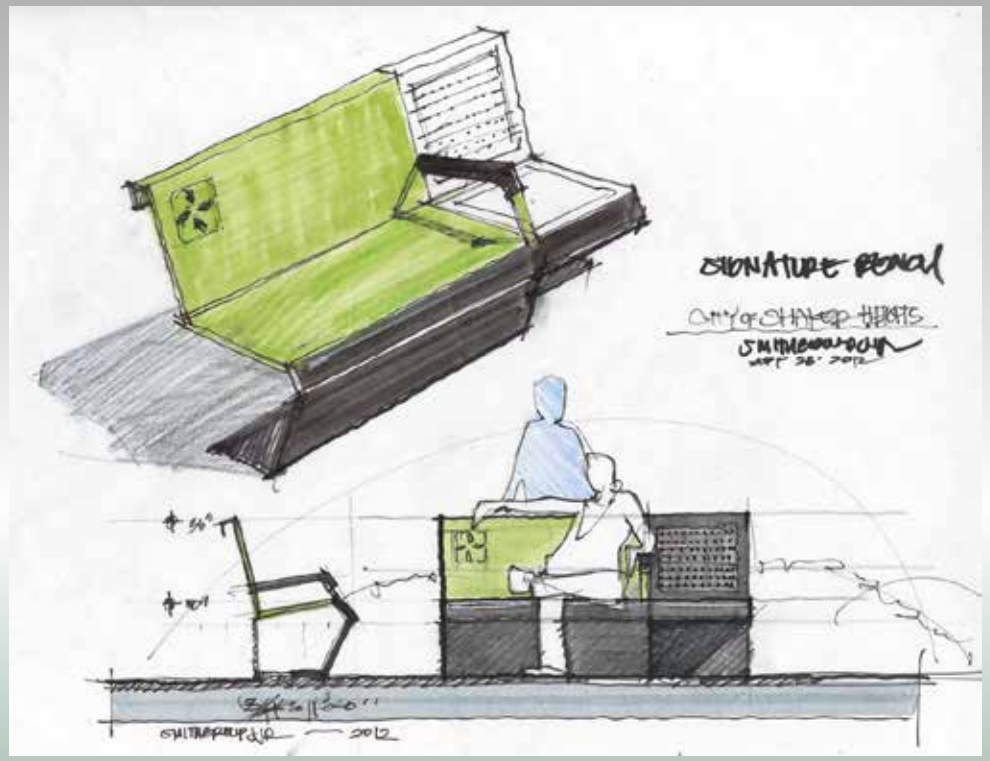
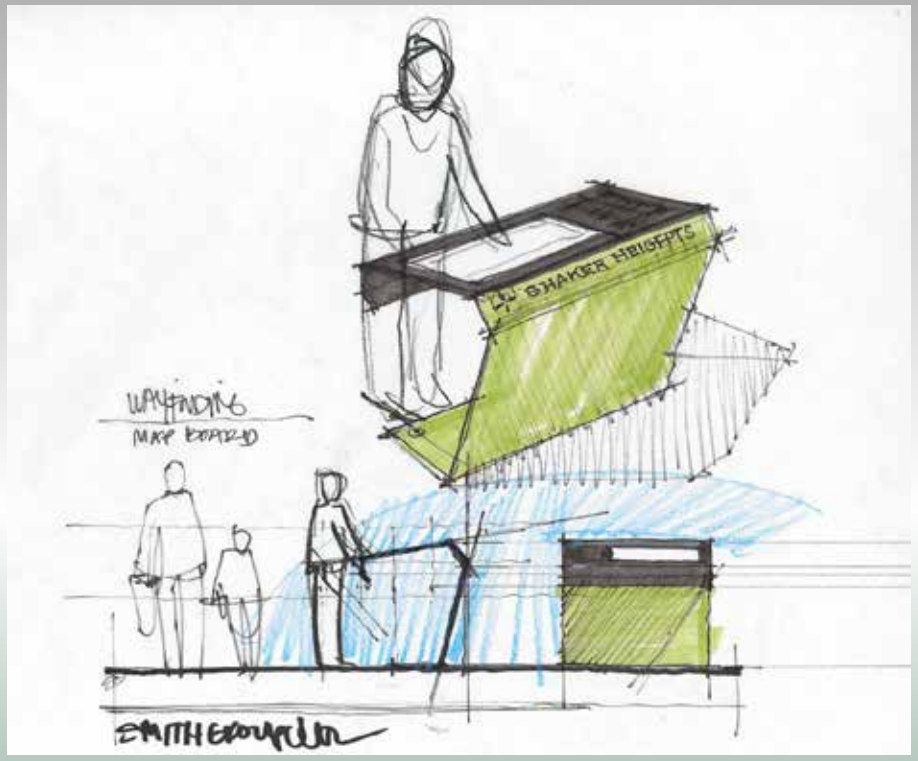
Streetscape - Contemporary



Streetscape - Contemporary





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Lee / Lomond - Existing

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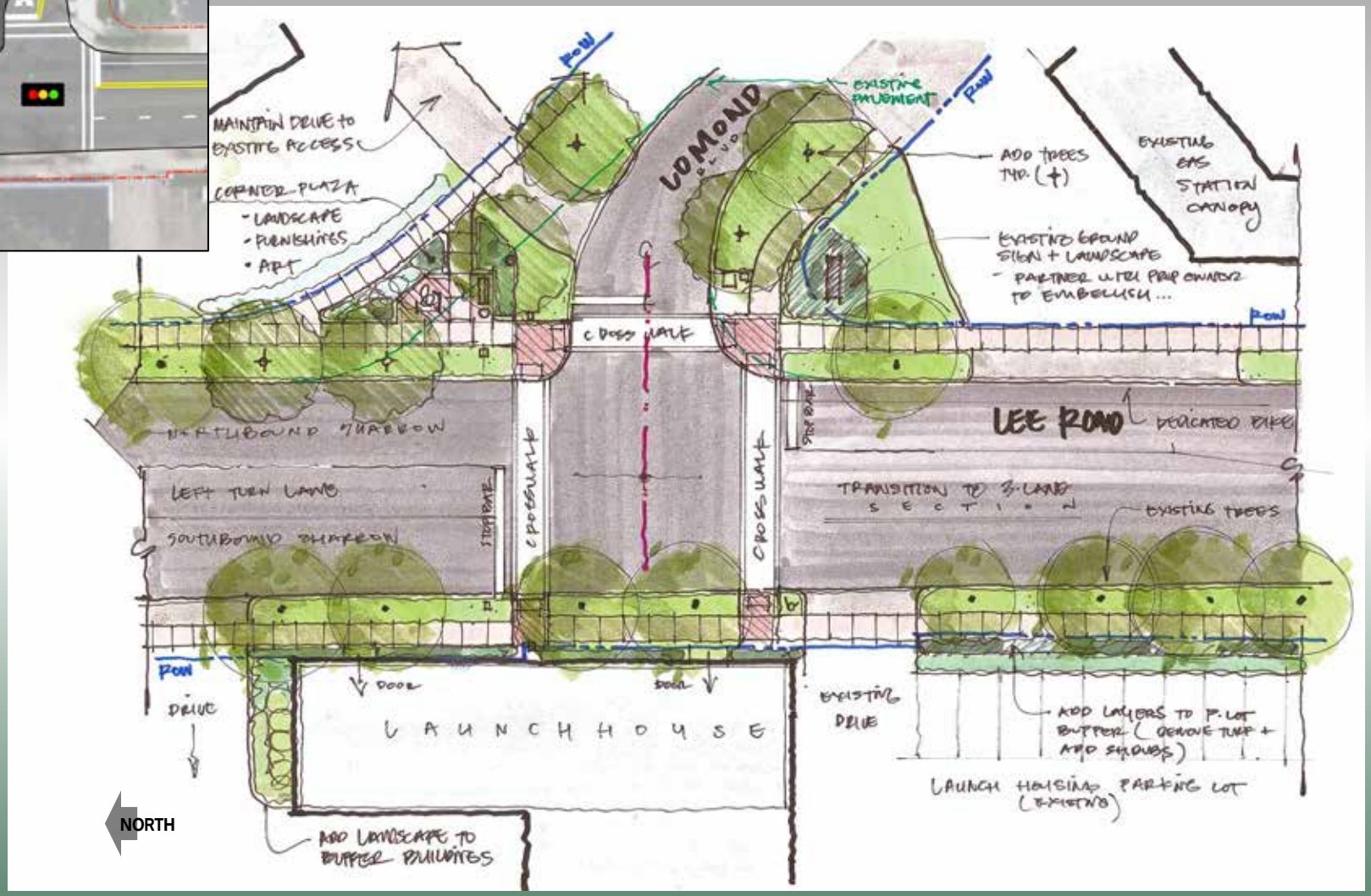
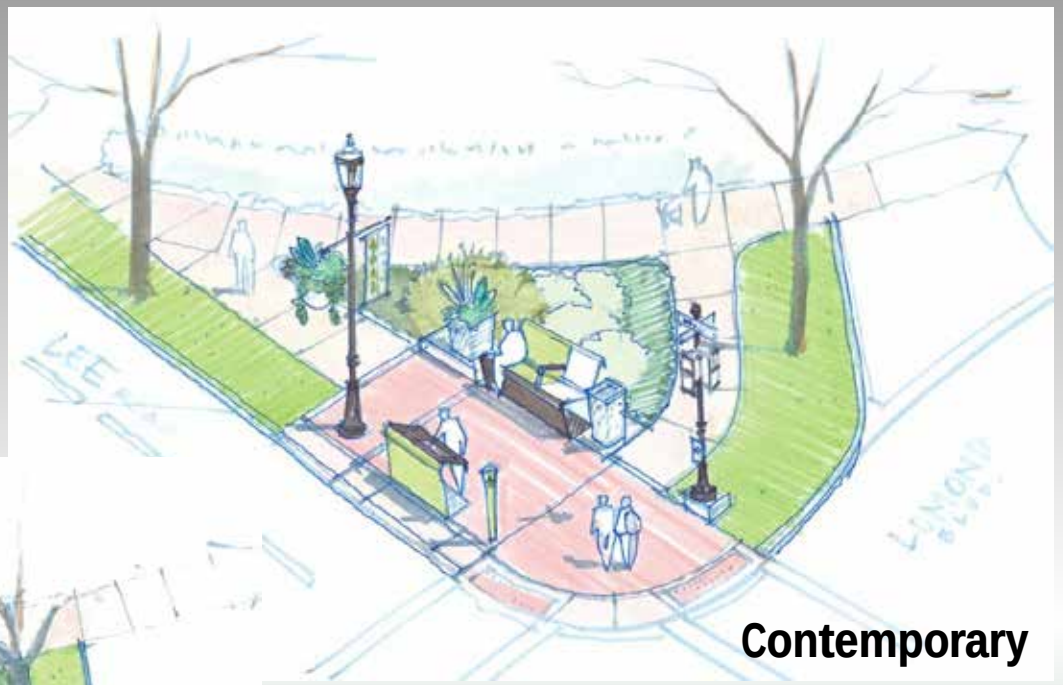
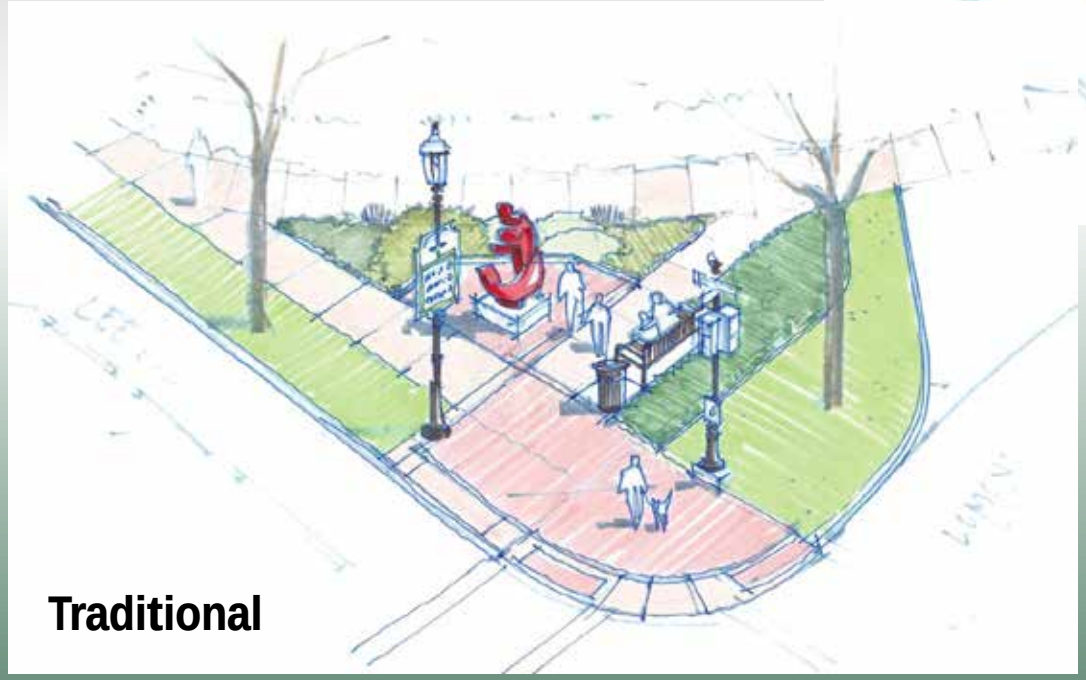
Lee / Lomond - Proposed



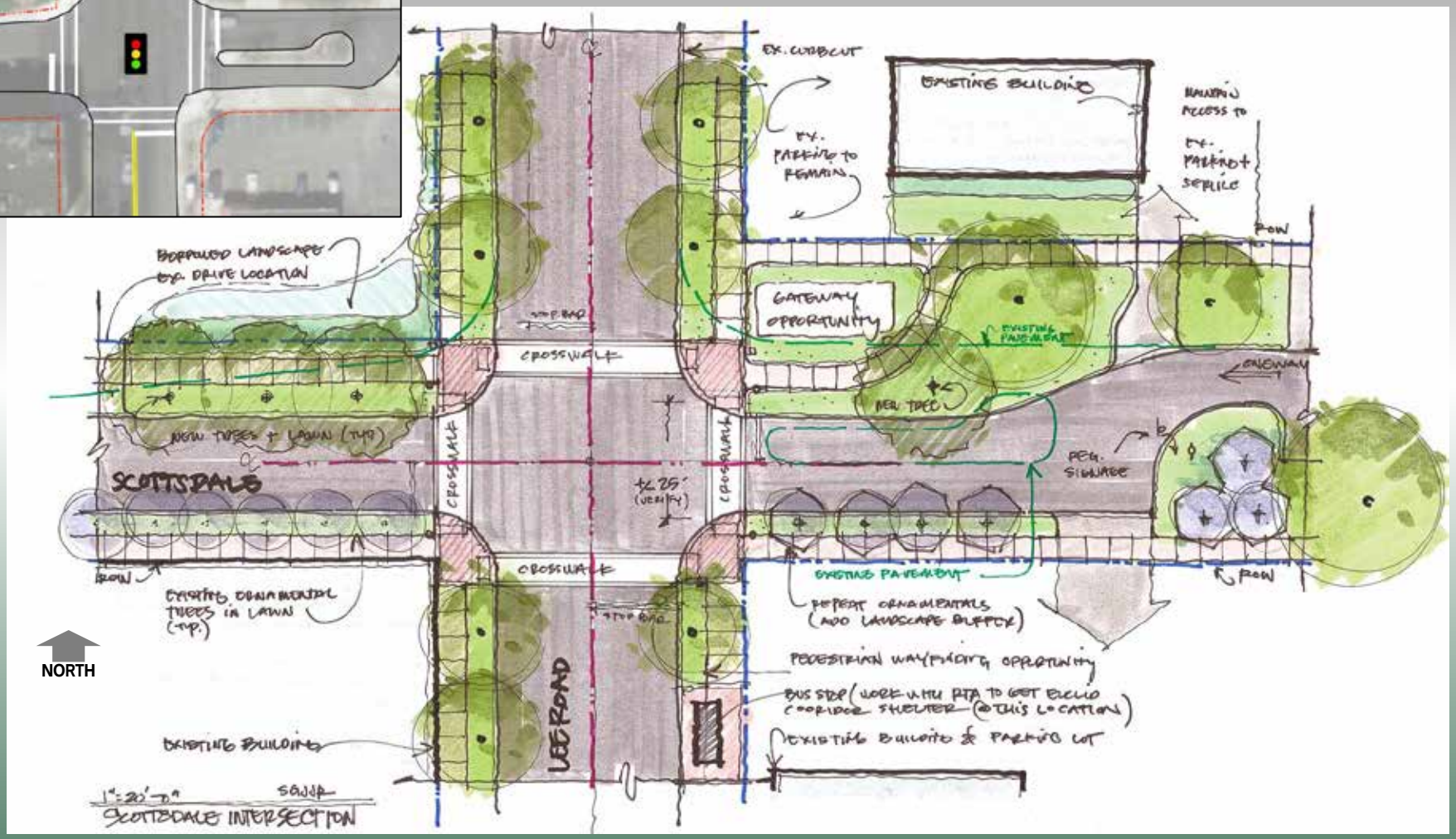
Lee / Lomond - Concepts





Lee / Scottsdale - Existing

Lee / Scottsdale – Proposed



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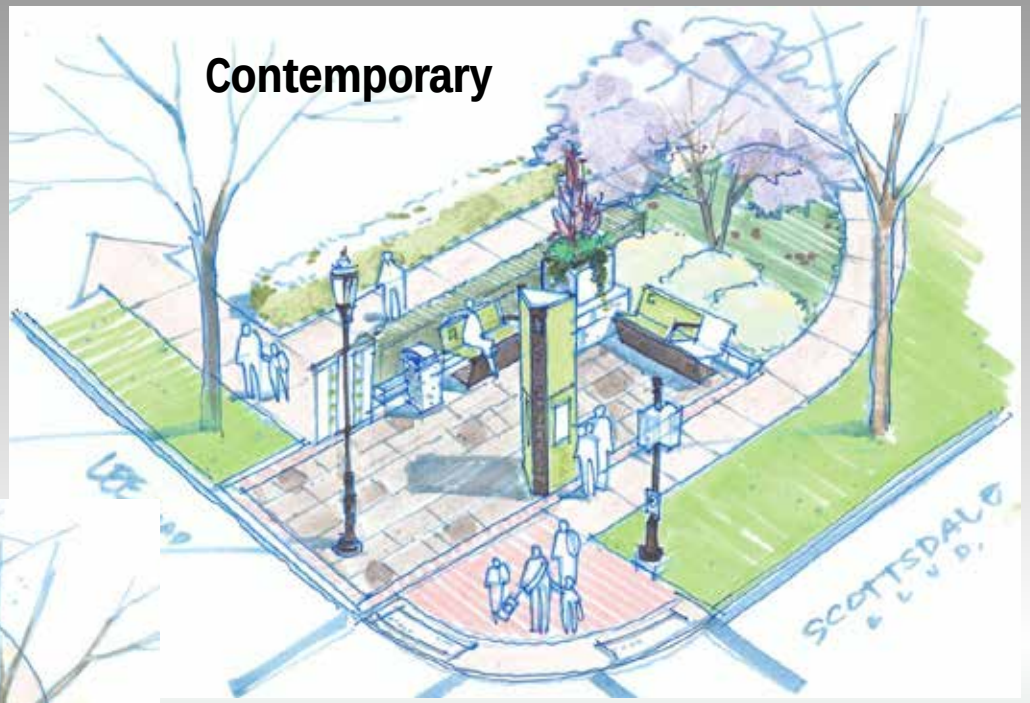
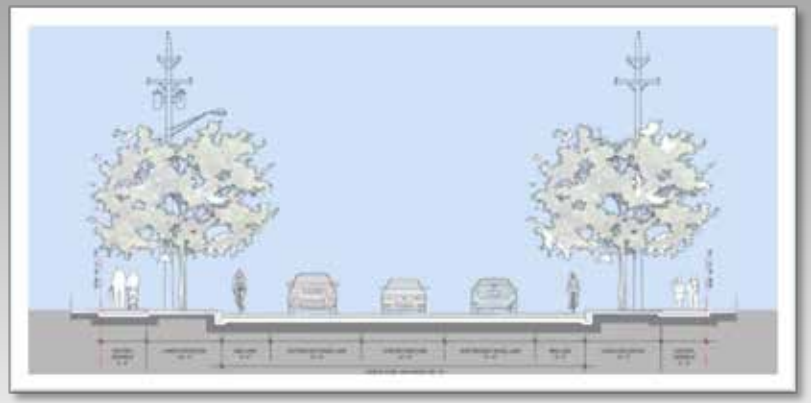


Next Steps



- Finalize plan
- City Council meeting
  November 26, 2012
- Pursue funding

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Thank You!

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