

Troy/Birmingham transit center 2008

University of Michigan 2 Design Charrette



Leave your keys at home.

Accessibility * Livability *Environmental & Economic Vitality * Connectivity

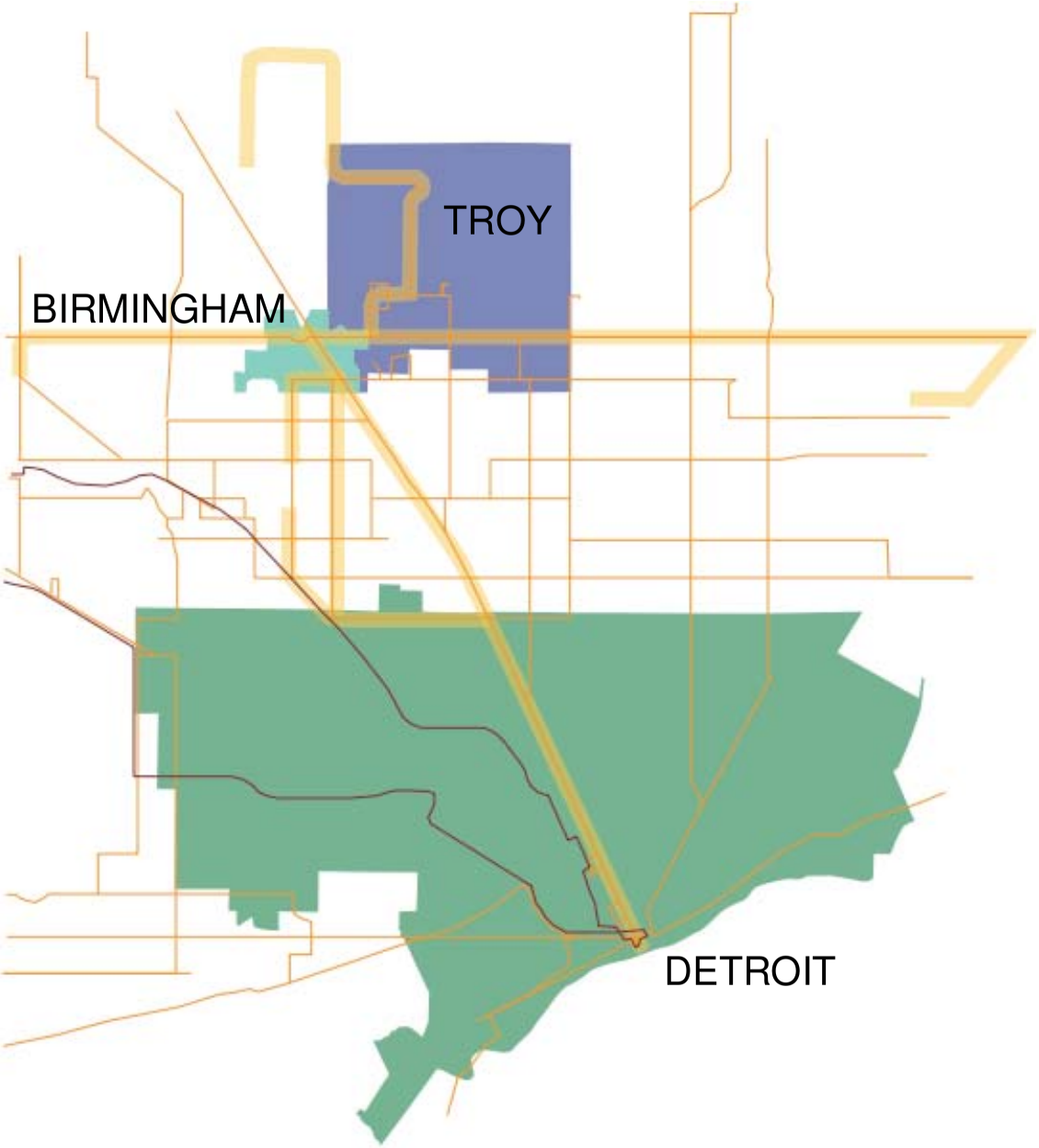
NEXT GENERATION MOBILITY FOR TROY / BIRMINGHAM:

An Integrated New Mobility Network within the Detroit Region



2008 Troy/Birmingham Transit Center Design Charrette

Regional Map





HUB NETWORK BENEFITS

Serves all of Troy / Birmingham sustainably (beyond the transit center)

Connects Troy / Birmingham with the overall region

Provides seamless, sustainable multi-modal DOOR TO DOOR trips (portfolio)

- **Fills gaps in existing system (eg showers, ZipCar)**

Reduces needs for transport

- **Pools services**
- **Encourages telecommunications options (telecommuting)**
- **Encourages land use to reduce trip length**



… HUB NETWORK BENEFITS

Serves seniors, youth, tourists, young professionals, families affordably and aesthetically

Is SCALABLE - by time and budget - immediate connected options, long term integrated vision

Spurs economic development, employment, and innovation opportunities

- **Urban competitiveness**
- **IT and manufacturing innovation**

Provides robust backup system

Makes sustainable transportation sexy







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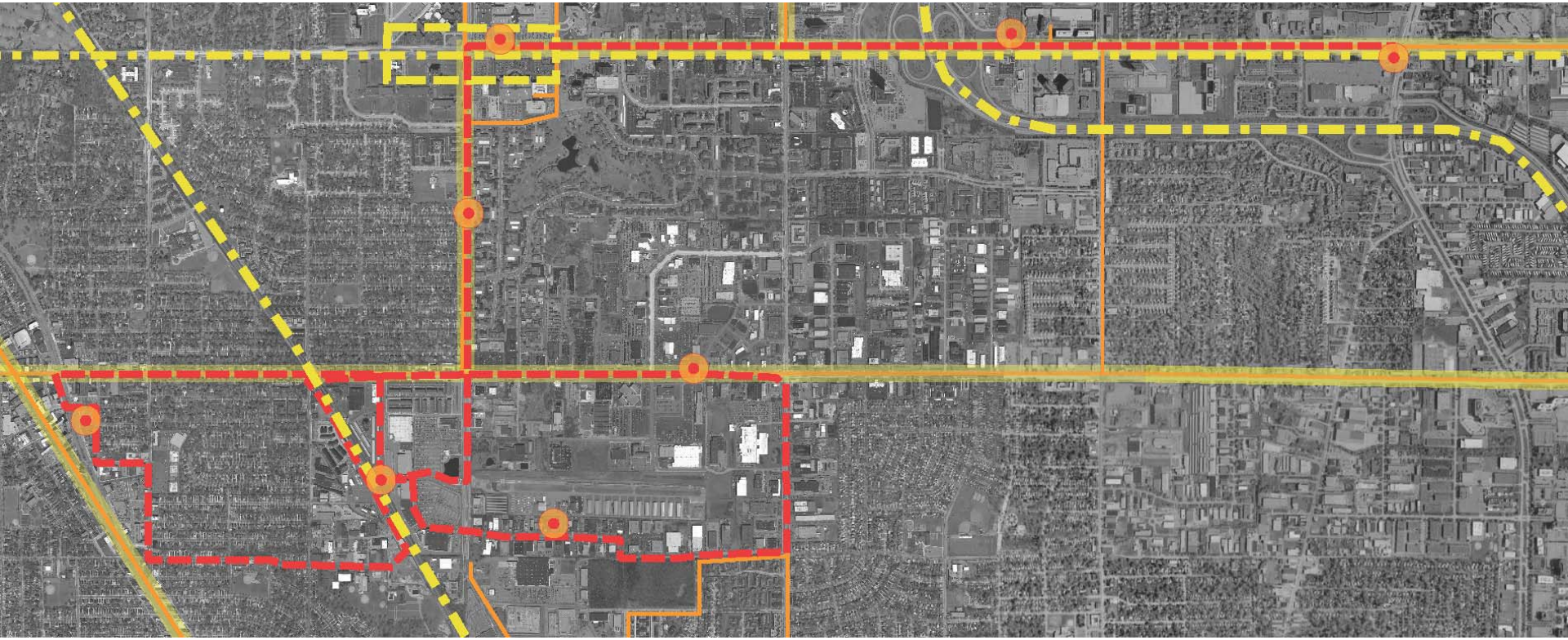
Existing and proposed Bus Route & Stops

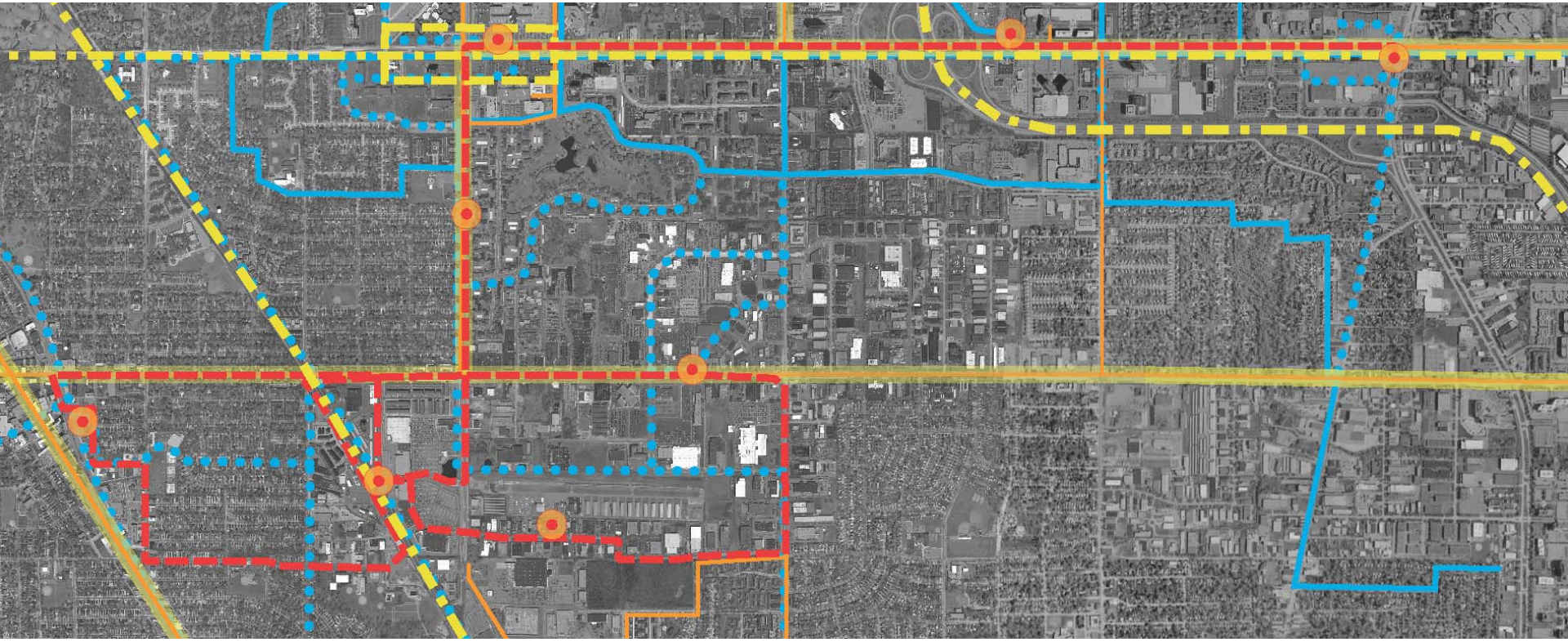


Existing Bus Route

Proposed Hub Bus Route 2010

Proposed Bus route for 2020





Proposed Transit -2010

Recreational Space

Landscaping

Existing Bike Route

Existing Bus Route

Proposed Bus Route 2020

Wet Lands

Proposed Bike Route



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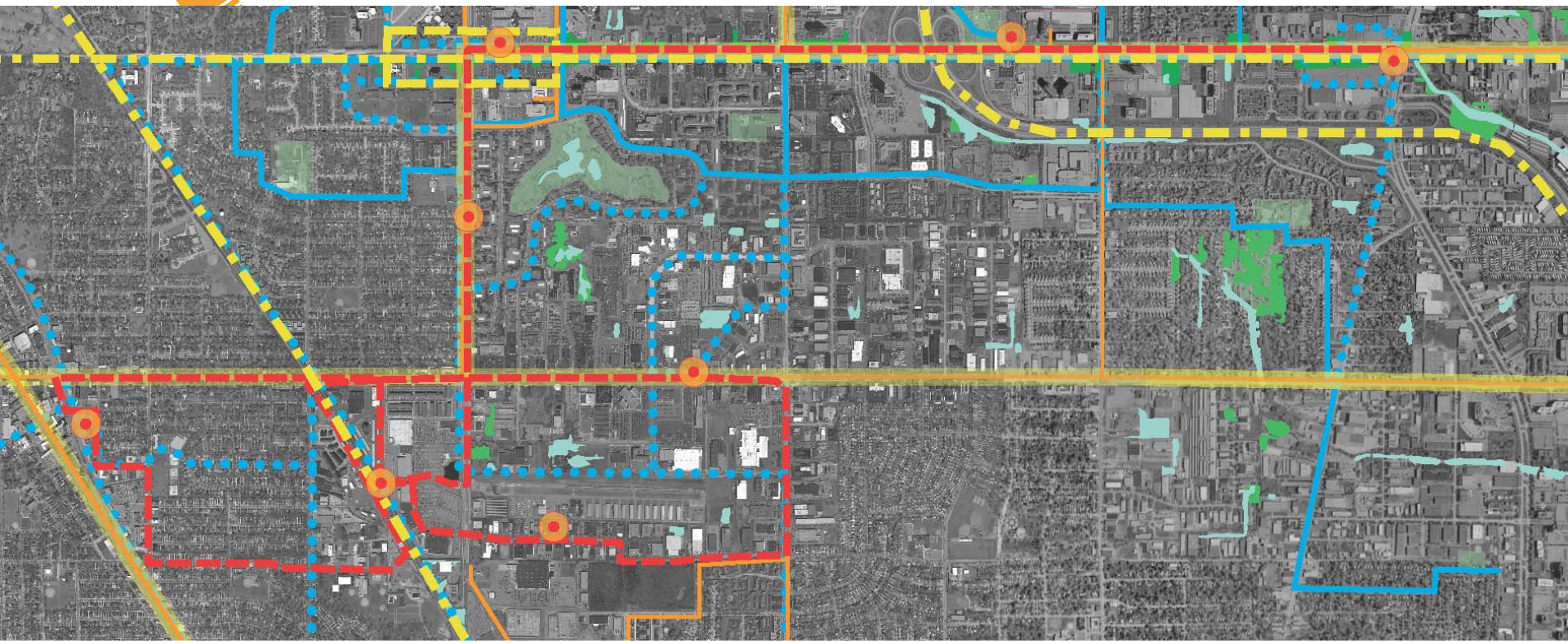
CONNECTIONS

Pontiac

Auburn Hills

Metro Park



Downtown
Detroit

Royal Oak

ZOO



Amenities

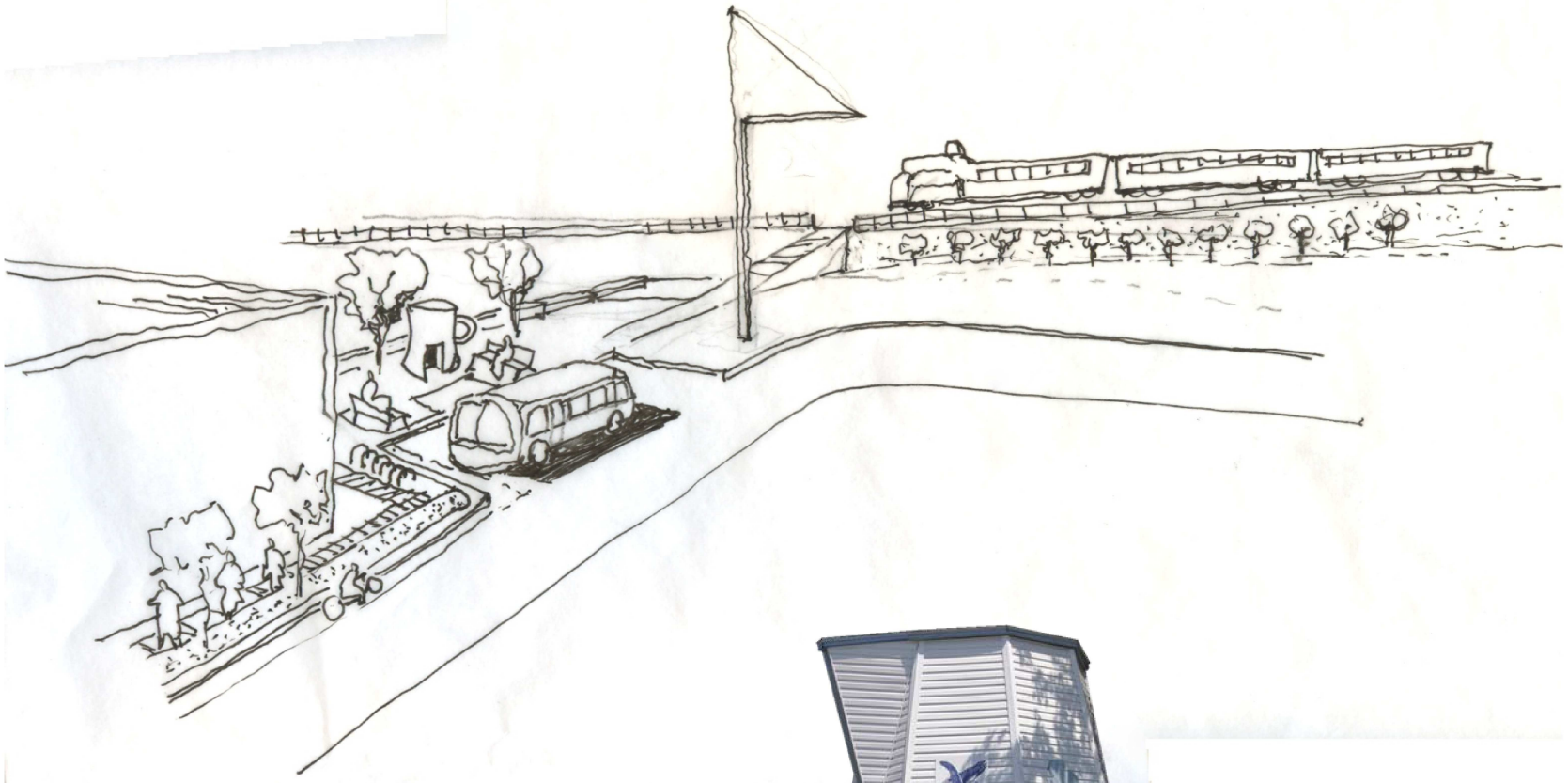
Local Transit
Regional Transit
Private Transit
Taxi Stand (Traditional)
Taxi Stand
(Niche – Seniors, Youth, etc.)

Showers
Free Bikes
Bike Parking
Bike Rental
Car Share Parking
Car Parking
Planes

Outdoor Recreation
Green Space
Information Kiosk
Retail
Music
Café/Bar/Restaurant
Wifi

Integrated Fare Payment
Electronic Traveler
Information
Day Care
Satellite Office
Social Services









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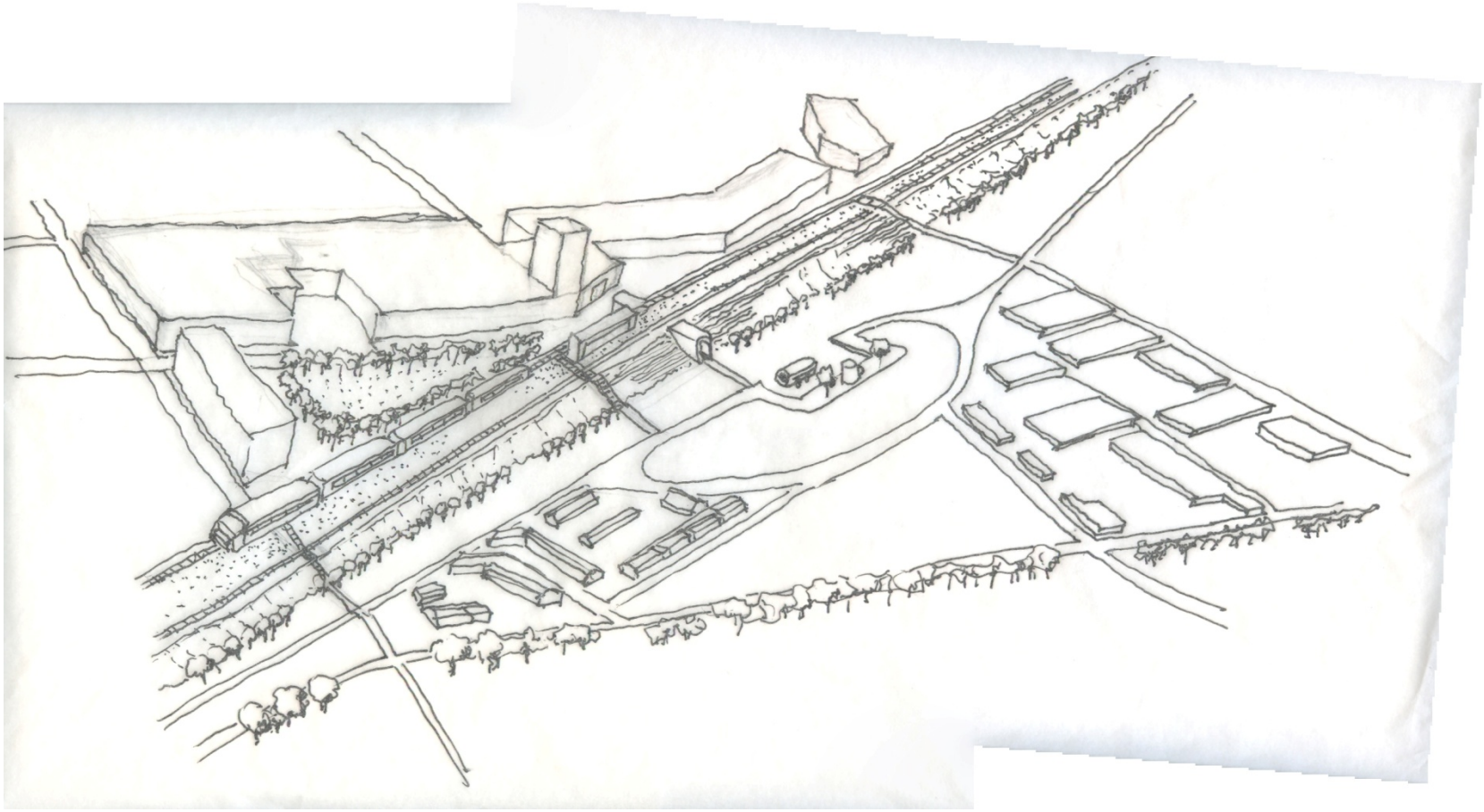



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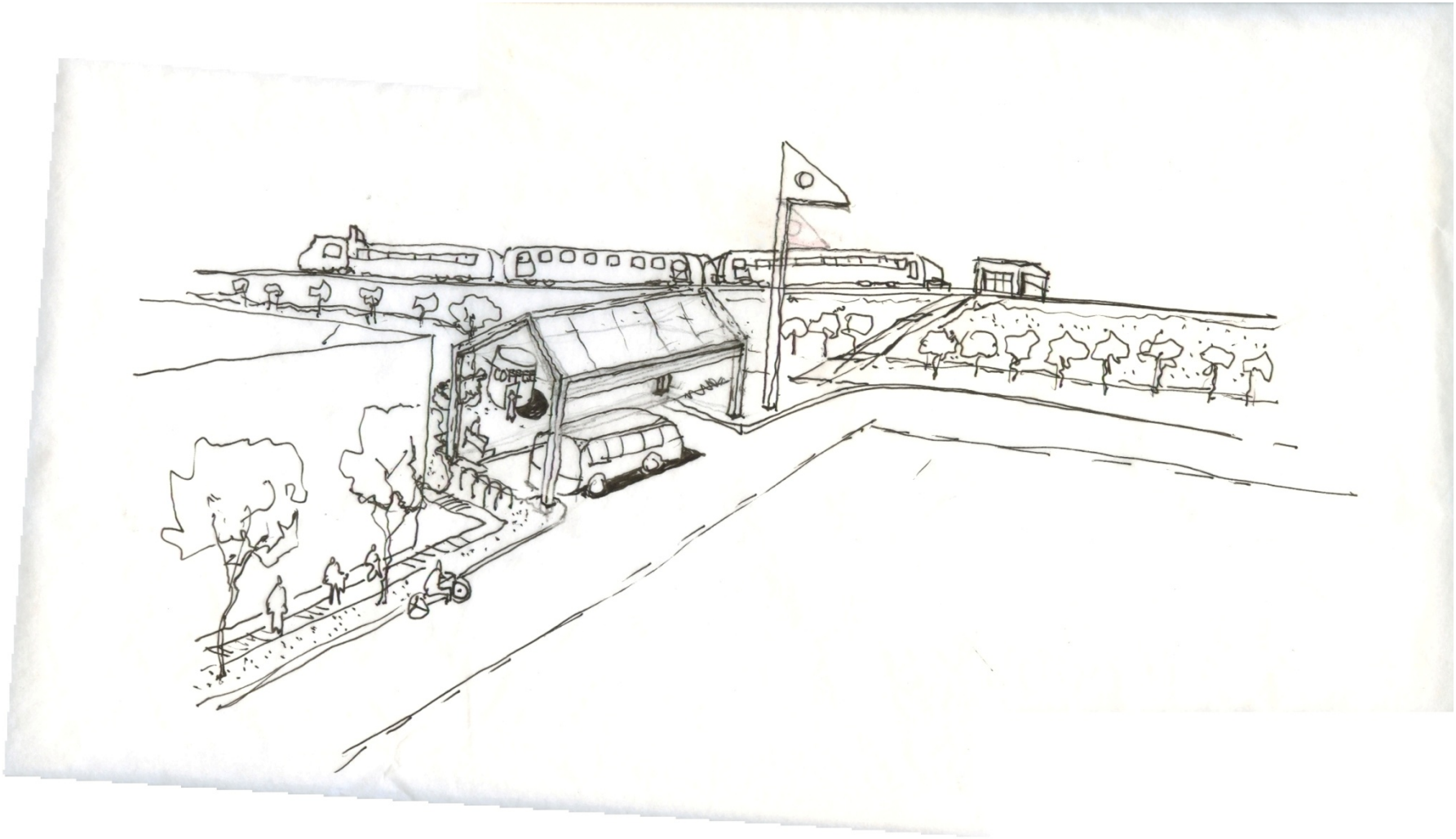

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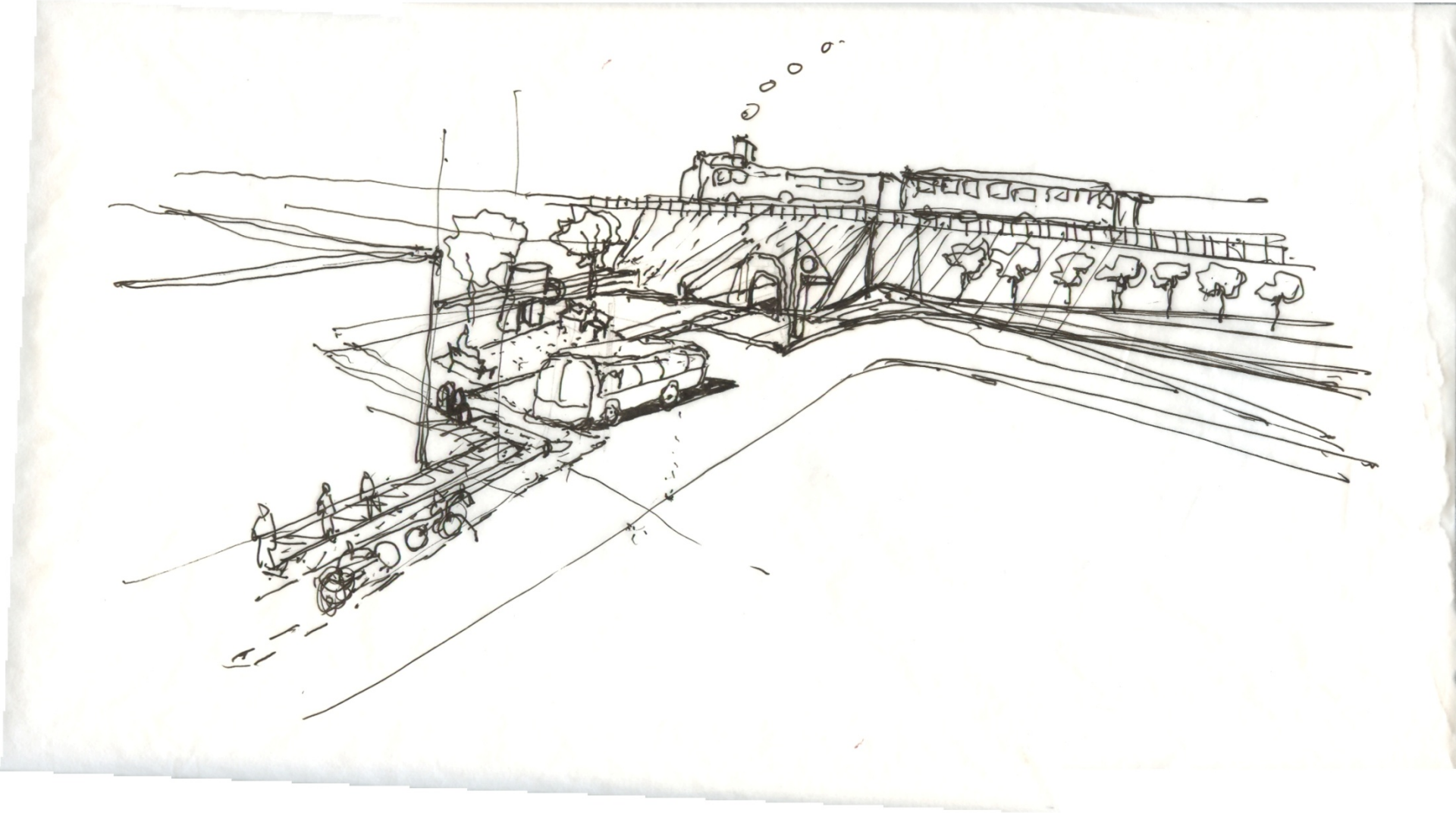

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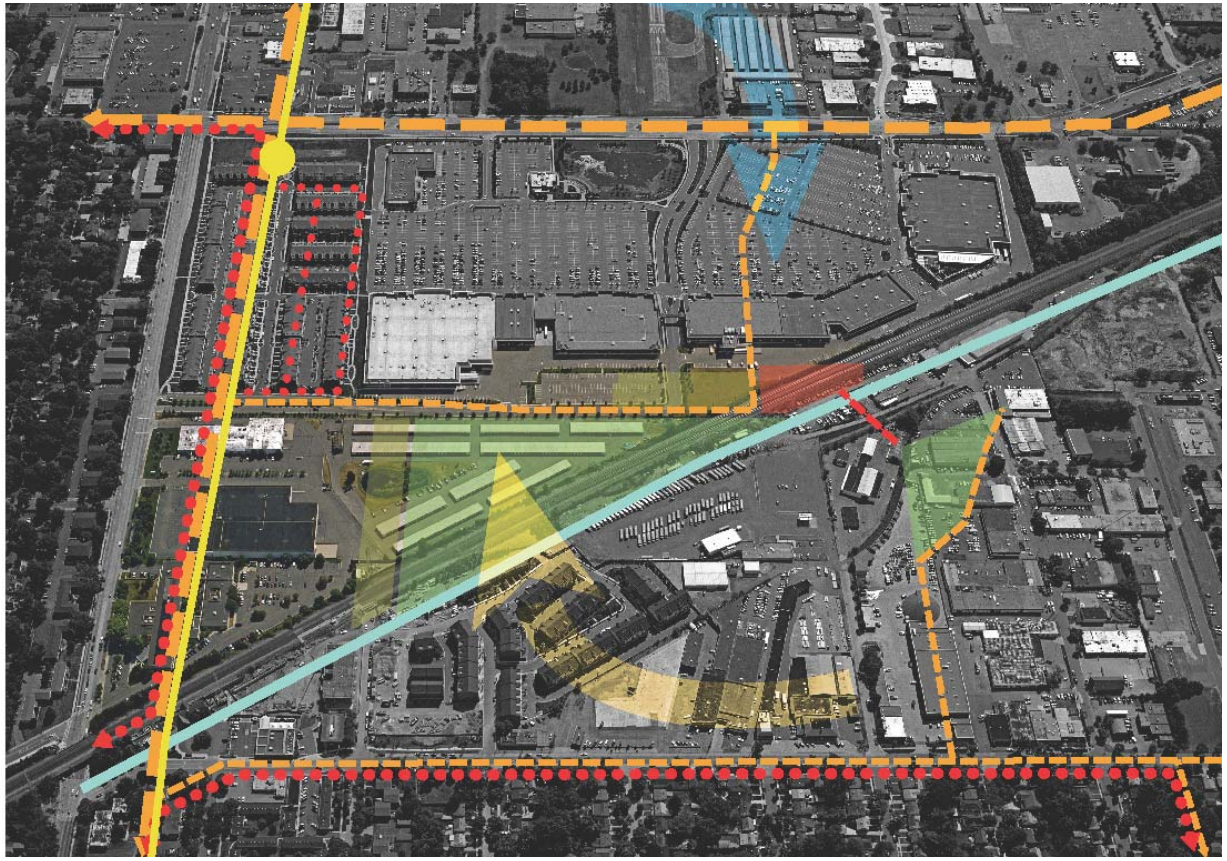
Site Plan Analysis



Pedestrian Traffic
Car Traffic
Bus Route
Rail Line
Green Space







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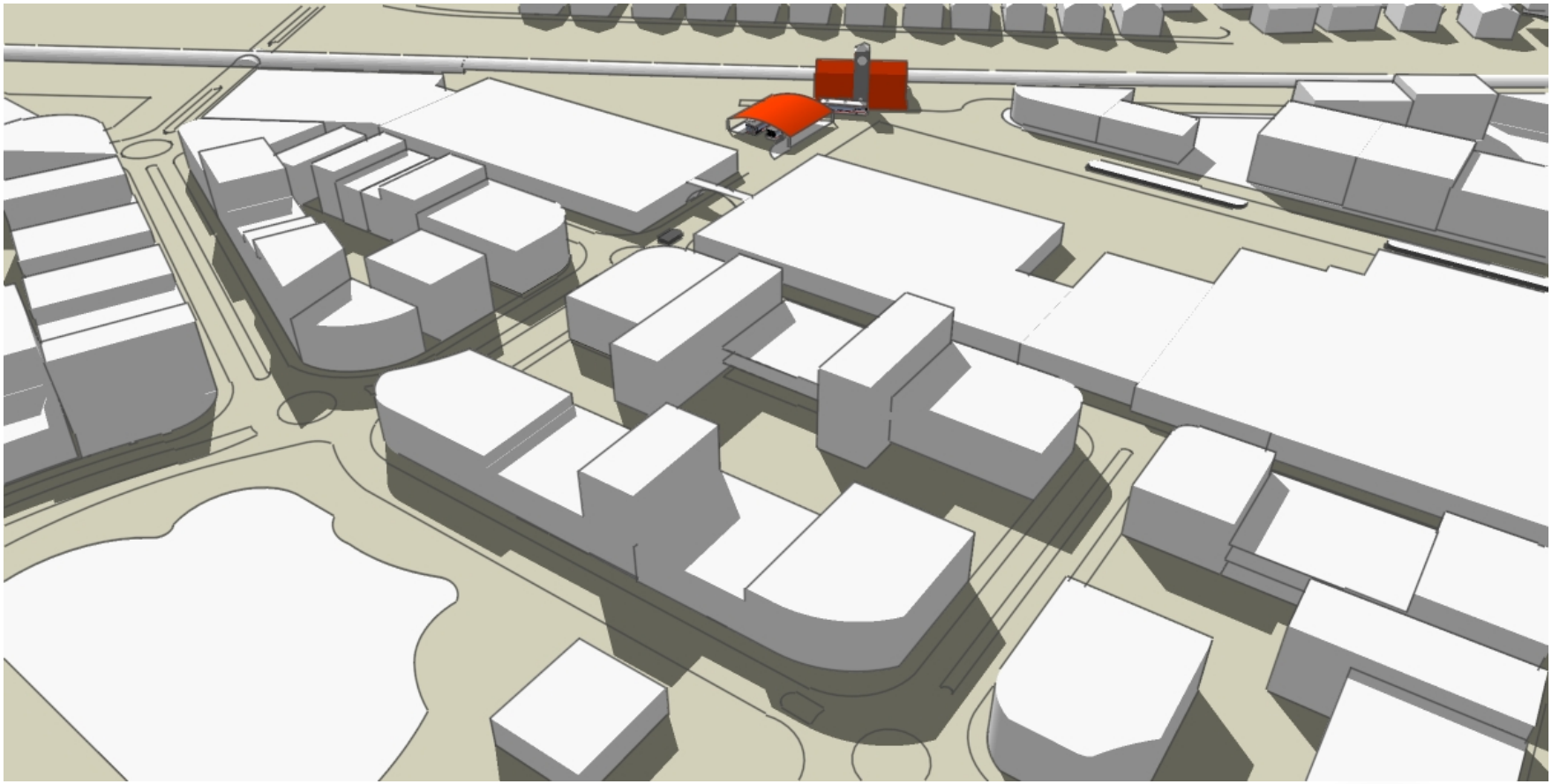



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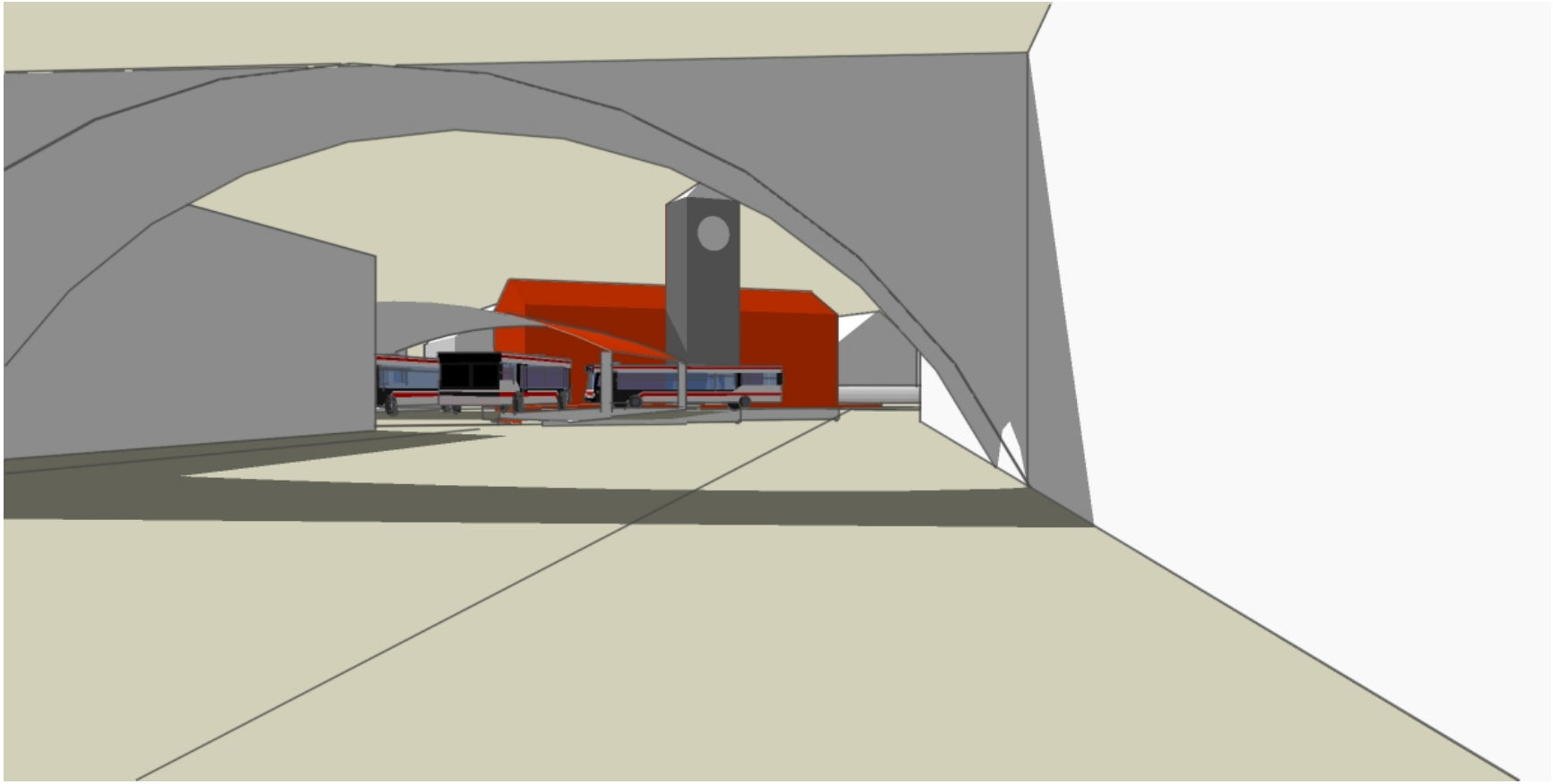



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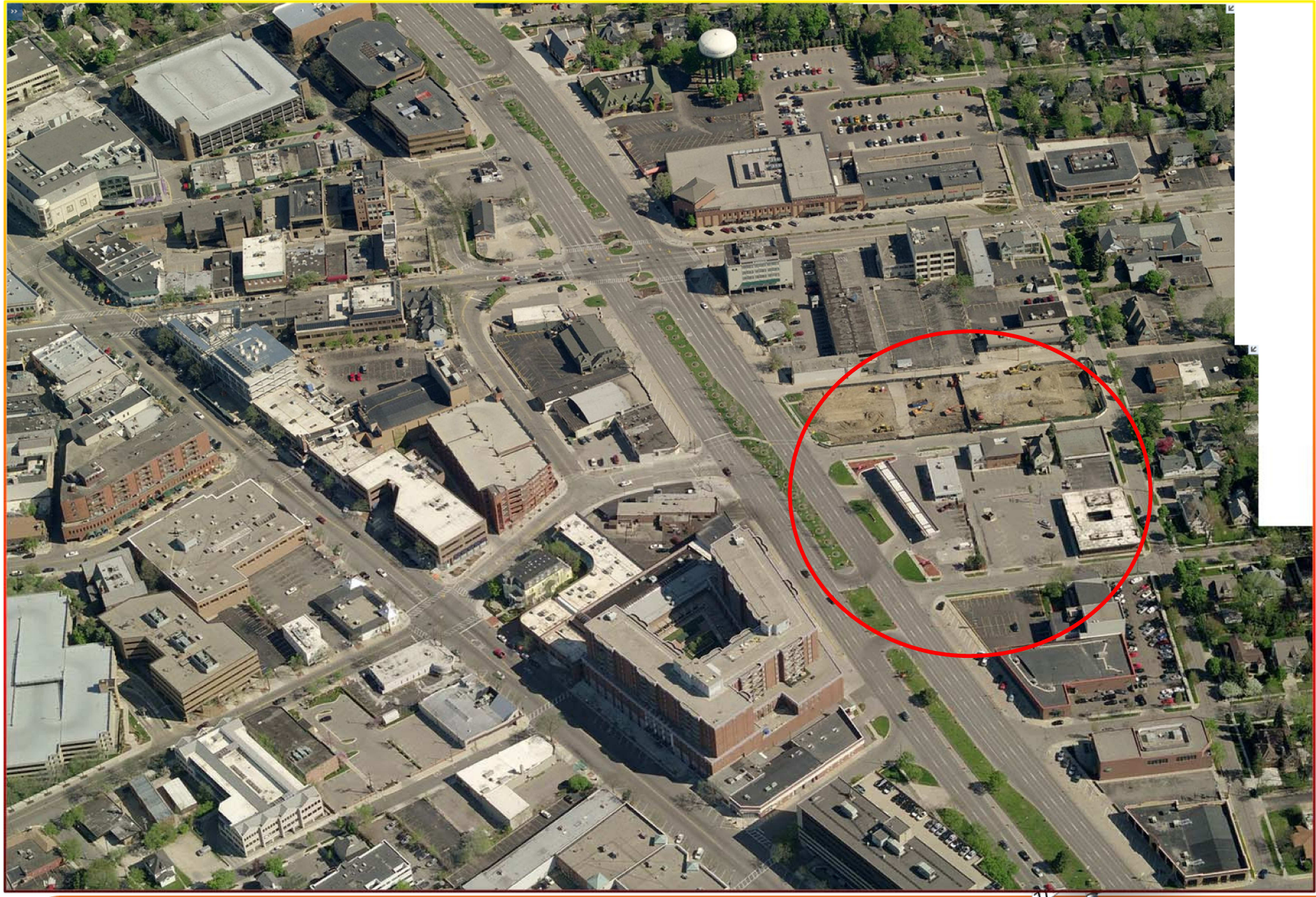

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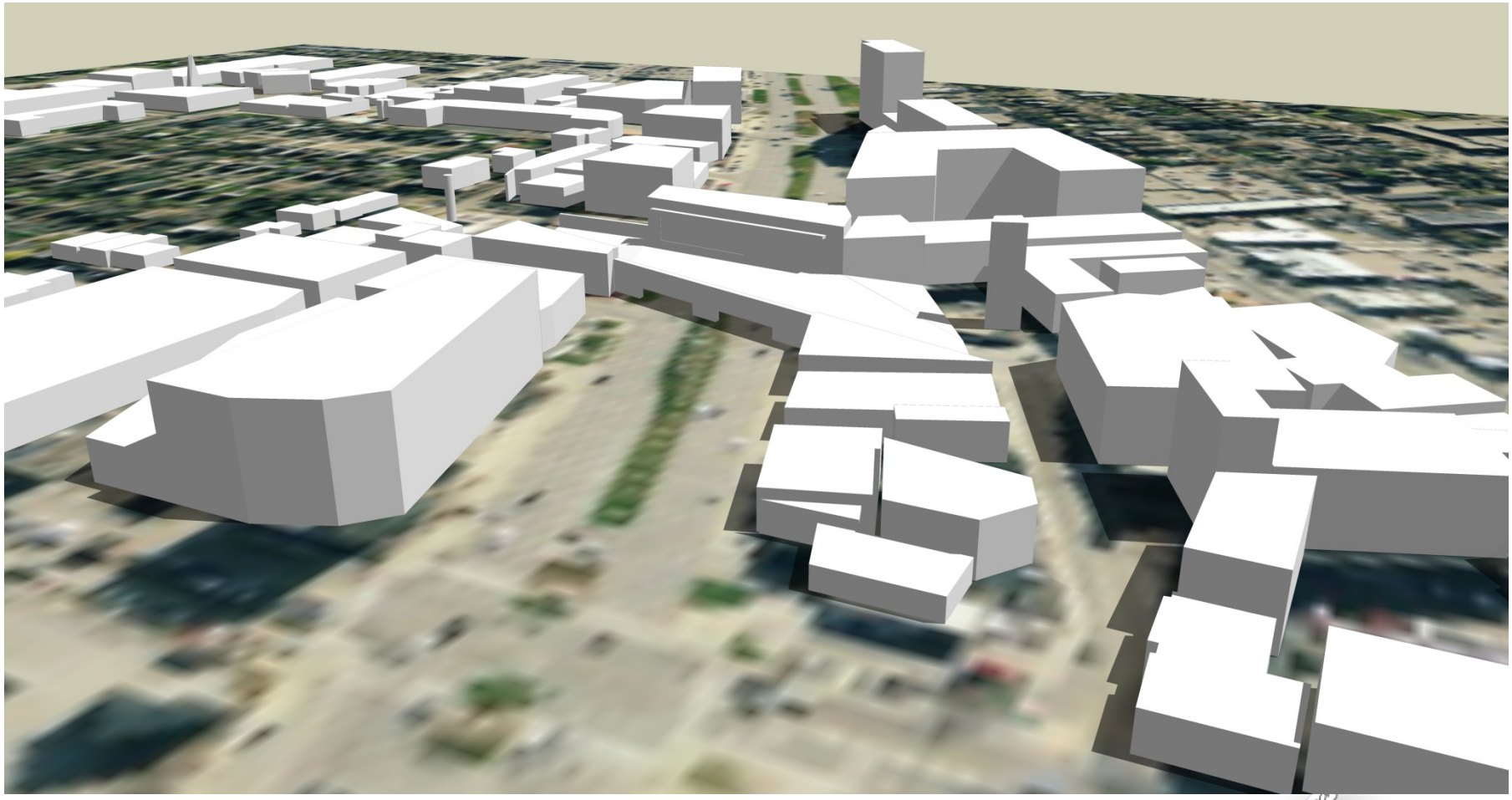



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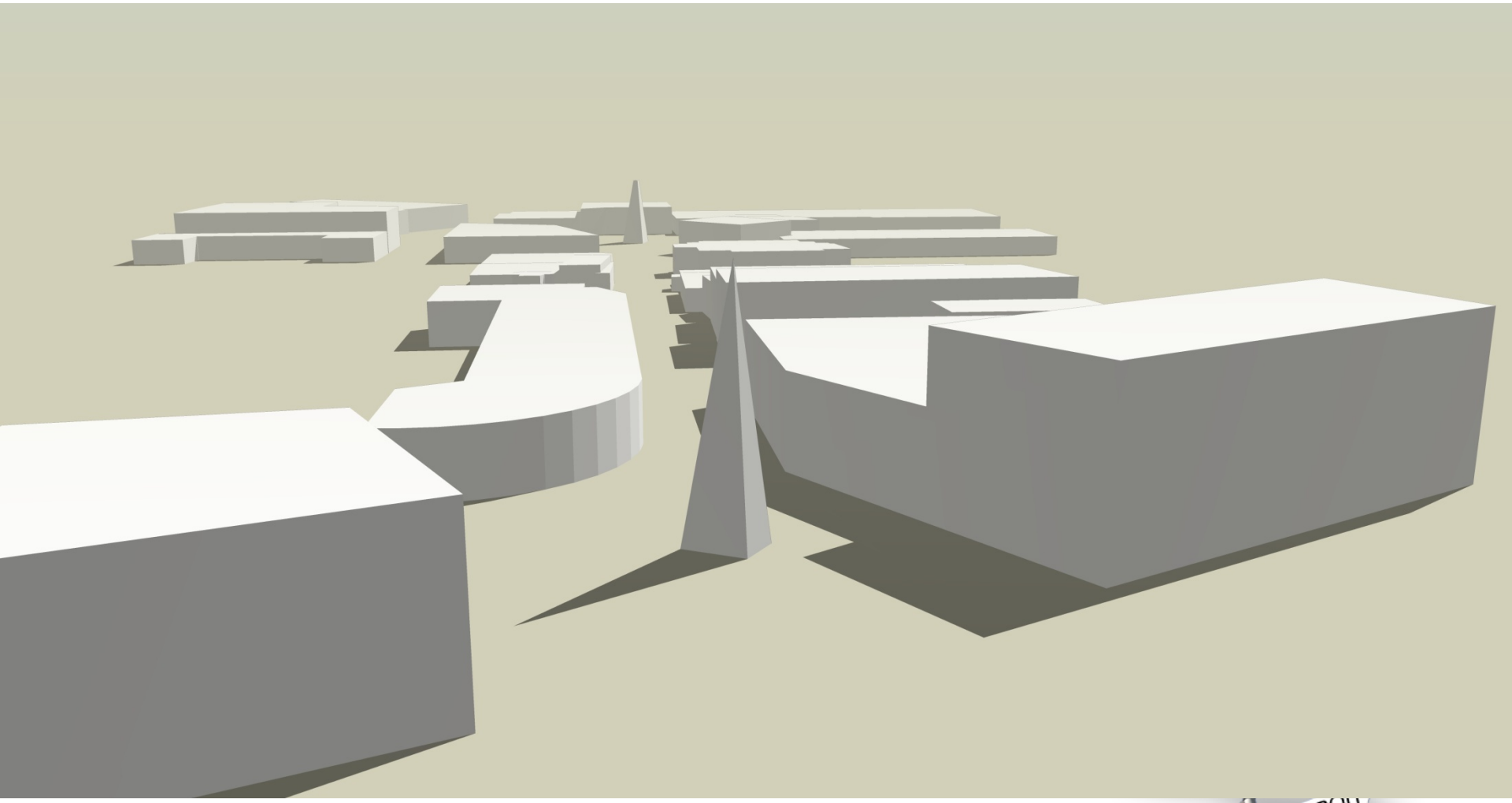

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Garden Hub

Amenities

Car Share, Bike Share, Groceries,



Airport Hub

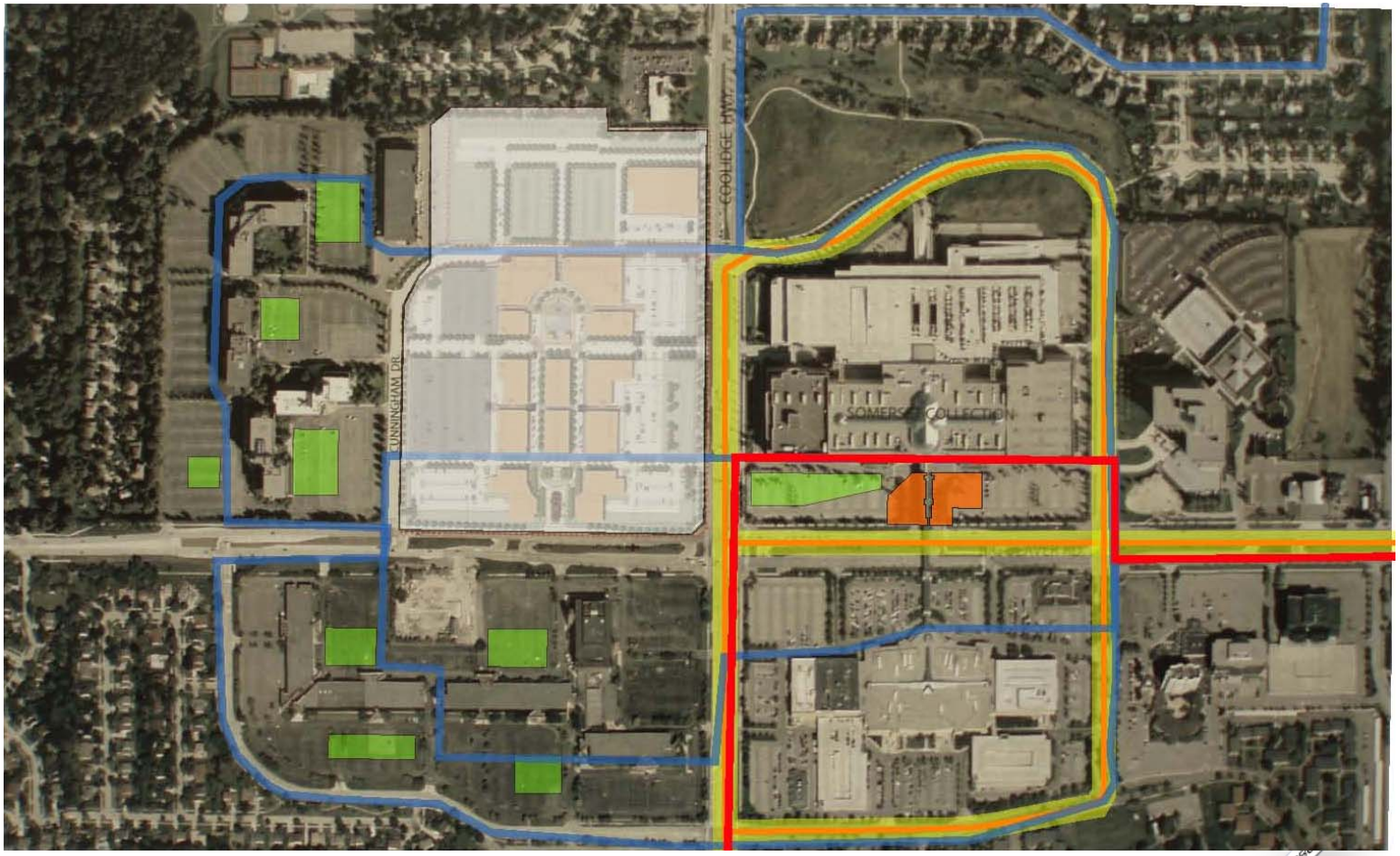
Amenities

Café, Bike storage, Car Rental, Showers





Shopping Hub
Amenities



2010 – Shelter, Bike Rack







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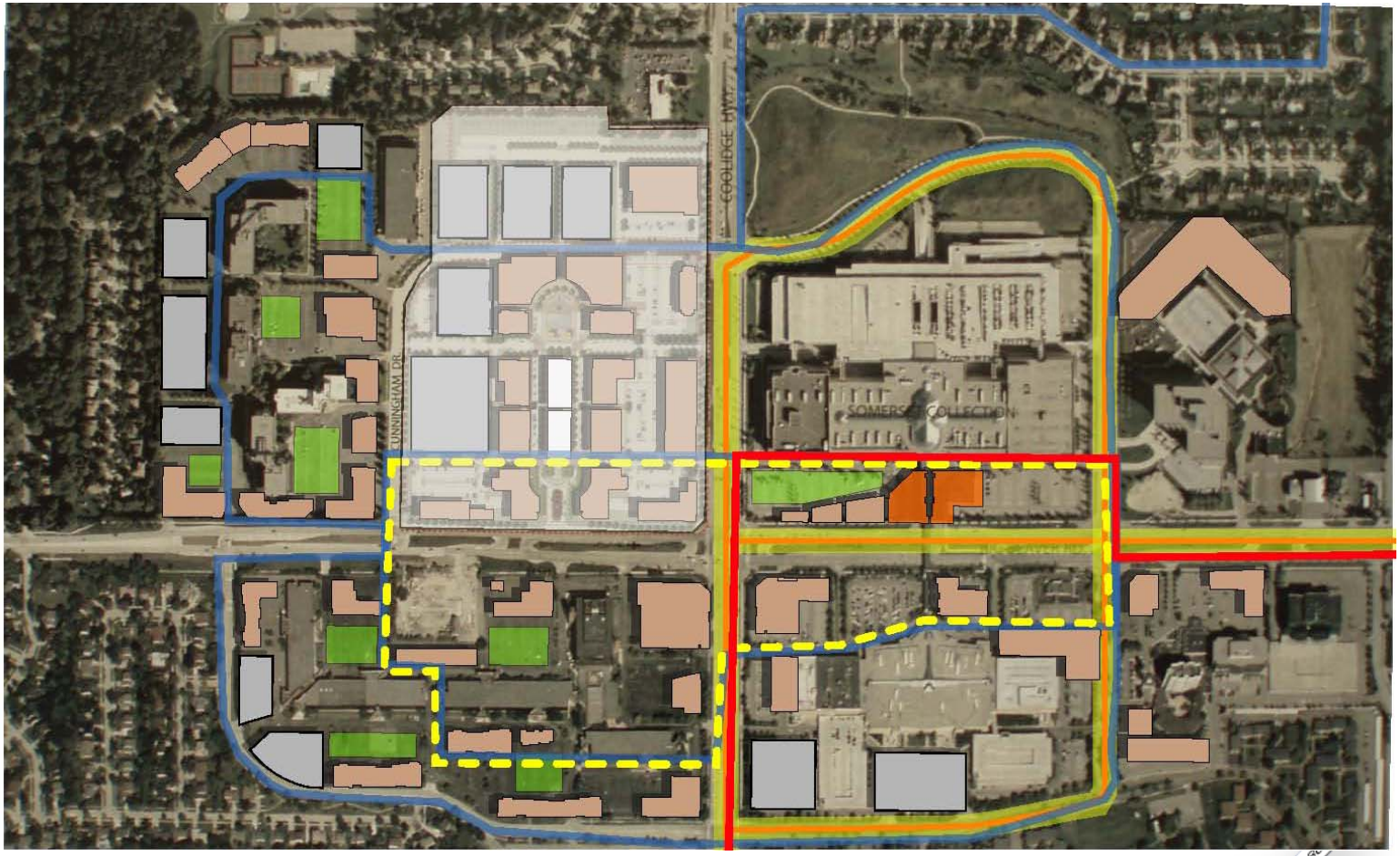
Shopping Hub
Amenities



2020- Shelter, Car Rental, Day Care, Bike Rental







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Auto Mall / Design Center Hub

Amenities

Café, Bike Rental, Car Rental, Day care





Civic Center

Amenities

Shelter, Bike Rack



Commerce / Rochester

Amenities

Shelter, Bike Rack, Car Share



Entrepreneurship





Entrepreneurship







Detroit 1930





Detroit 1950





Detroit 1970





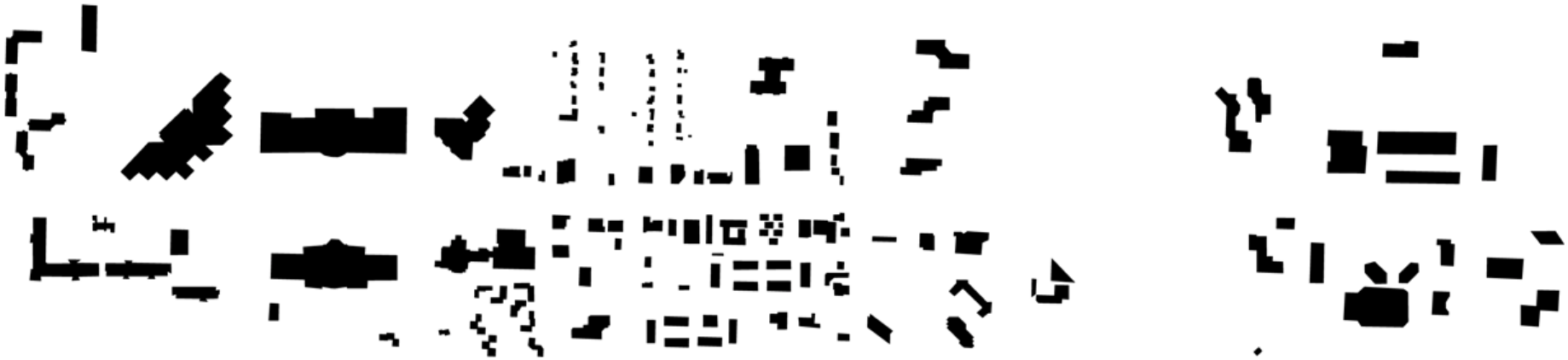
Detroit 1980





Detroit 2008





Troy 2008



Regional Map

