troy | birmingham

TRANSIT CENTER



A CONVERGENCE OF PEOPLE, PLACES & EVENTS

THE REASON IS THE REGION

TROY-BIRMINGHAM IS THE FIRST LINK

team three

MARCY MCINELLY | CRAIG WILKINS | PAUL WANG

AMALE BOOTH
SEONG YUN CHO
JUSTIN FOGLE
SEAN HOUGHTON
KELLY KOSS
PAOLO MASTROGIACOMO
REBECCA MORELLO
OBIAMAKA OFODILE
ADVAIT SAMBHARE
TYSON STEVENS
SANDRA TANNER
REBEKAH VANWIEREN
TOBIAS WACKER
BONNIE WESSLER

transit usage

MAKING THE CASE FOR REGIONAL CONNECTIONS: CURRENT CONTEXT

- CITY OF DETROIT: BUS SYSTEM OPERATED BY DDOT
- SERVES DETROIT AND PROVIDES SOME BUS SERVICE TO SUBURBAN AREAS
- SUBURBAN AREAS: SMART BUS CONNECTS 20 CITIES AND CITY OF TROY
- SUBURBAN CITIES OPT IN TO PROGRAM
- 50% OF BUS PASSENGERS COMING TO JOBS ON BIG BEAVER CORRIDOR ARE DETROIT RESIDENTS
- SEMCOG DEMONSTRATION PROJECT: COMMUTER RAIL SERVICE LINKING ANN ARBOR AND DETROIT WITHIN 2 YEARS
- IF DEMONSTRATION IS SUCCESSFUL, COMMUTER SERVICE MAY EXTEND TO TROY/ BIRMINGHAM WITHIN 4 YEARS

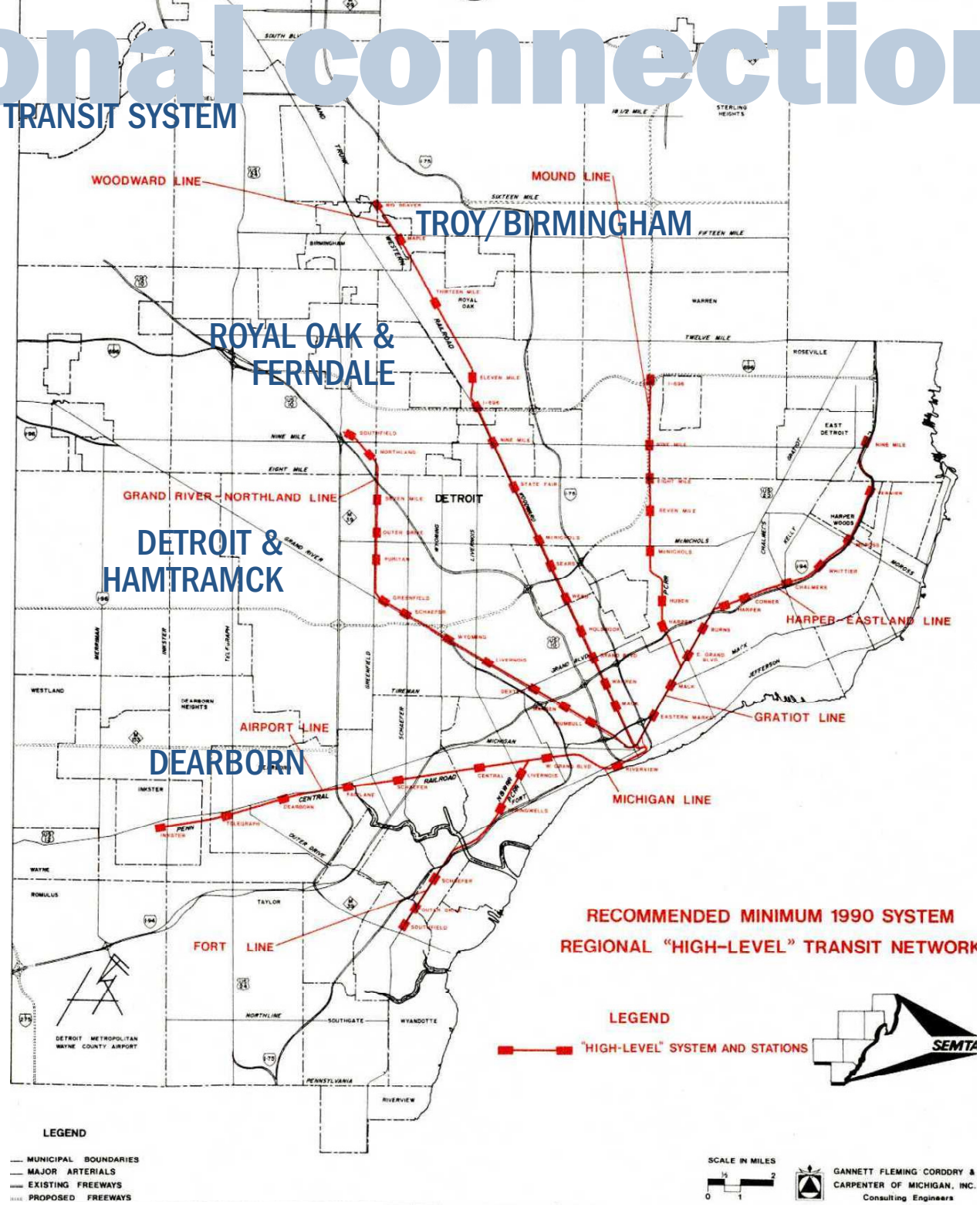
goal

TROY/BIRMINGHAM TRANSIT CENTER—TEAM THREE DESIGN CHARGE

- GOAL: DESIGN THE TROY/BIRMINGHAM TRANSIT CENTER TO SERVE AS MANY DIFFERENT USERS AS POSSIBLE
- THE KEY: PROMINENT, VISIBLE LOCATION
- LINK COMMUTER RAIL SERVICE TO SMART BUS SERVICE
- PROVIDE OTHER COMPLEMENTARY TRANSPORTATION OPTIONS: STREETCAR, FLEX-CAR/RENTAL CAR, RENTAL BIKE, CAB, ETC.
- CO-LOCATE TRANSIT WITH SERVICE/CONVENIENCE RETAIL AND SELECTED INSTITUTIONAL USES
- PROVIDE RESIDENTIAL OPTIONS WITHIN WALKING DISTANCE TO SMART BUS AND COMMUTER RAIL SERVICE
- PROVIDE A RANGE OF RESIDENTIAL OPTIONS—AFFORDABLE AND MARKET RATE; OWNERSHIP

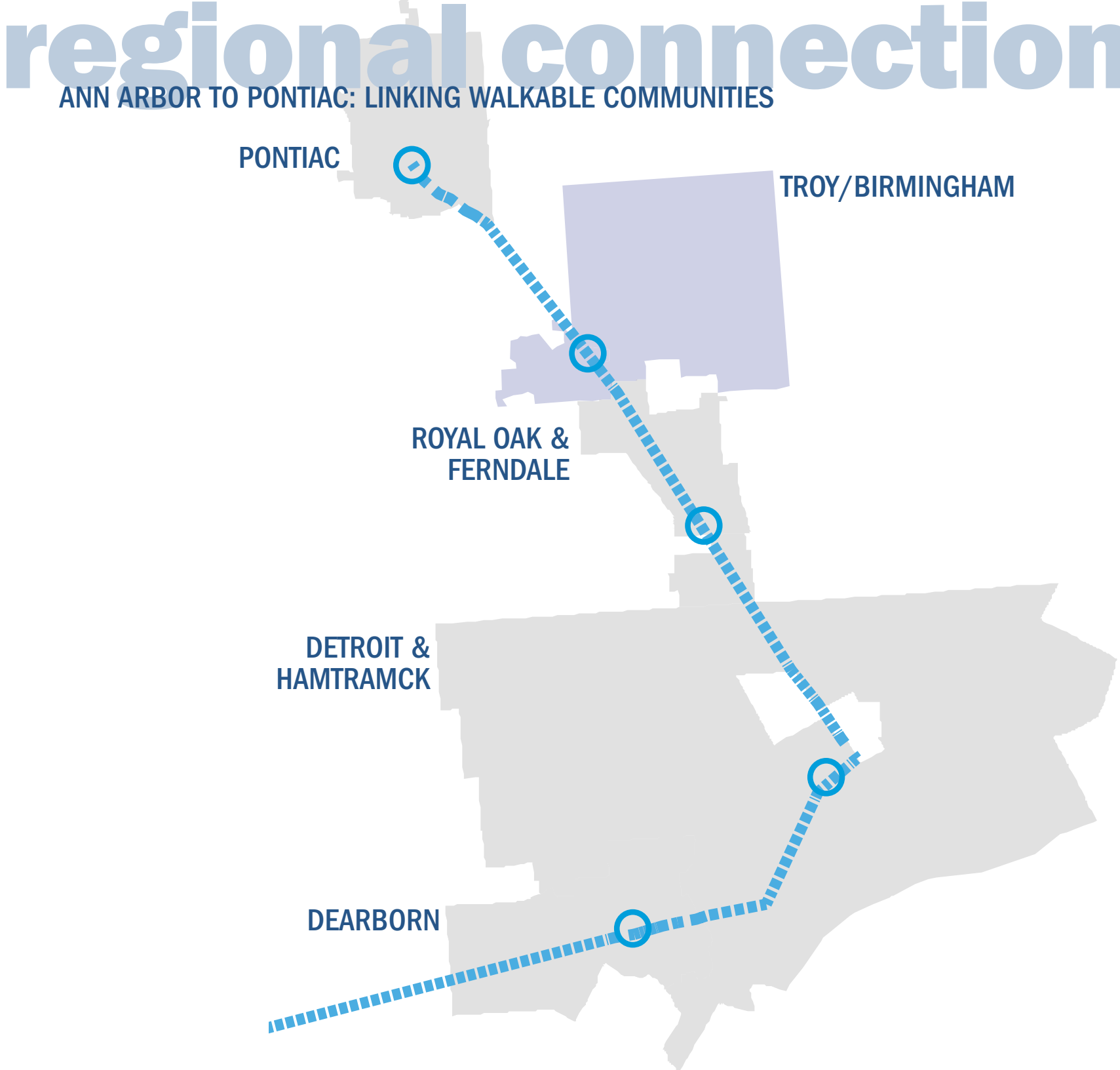
regional connections

RECOMMENDED TRANSIT SYSTEM



regional connections

ANN ARBOR TO PONTIAC: LINKING WALKABLE COMMUNITIES



regional connections

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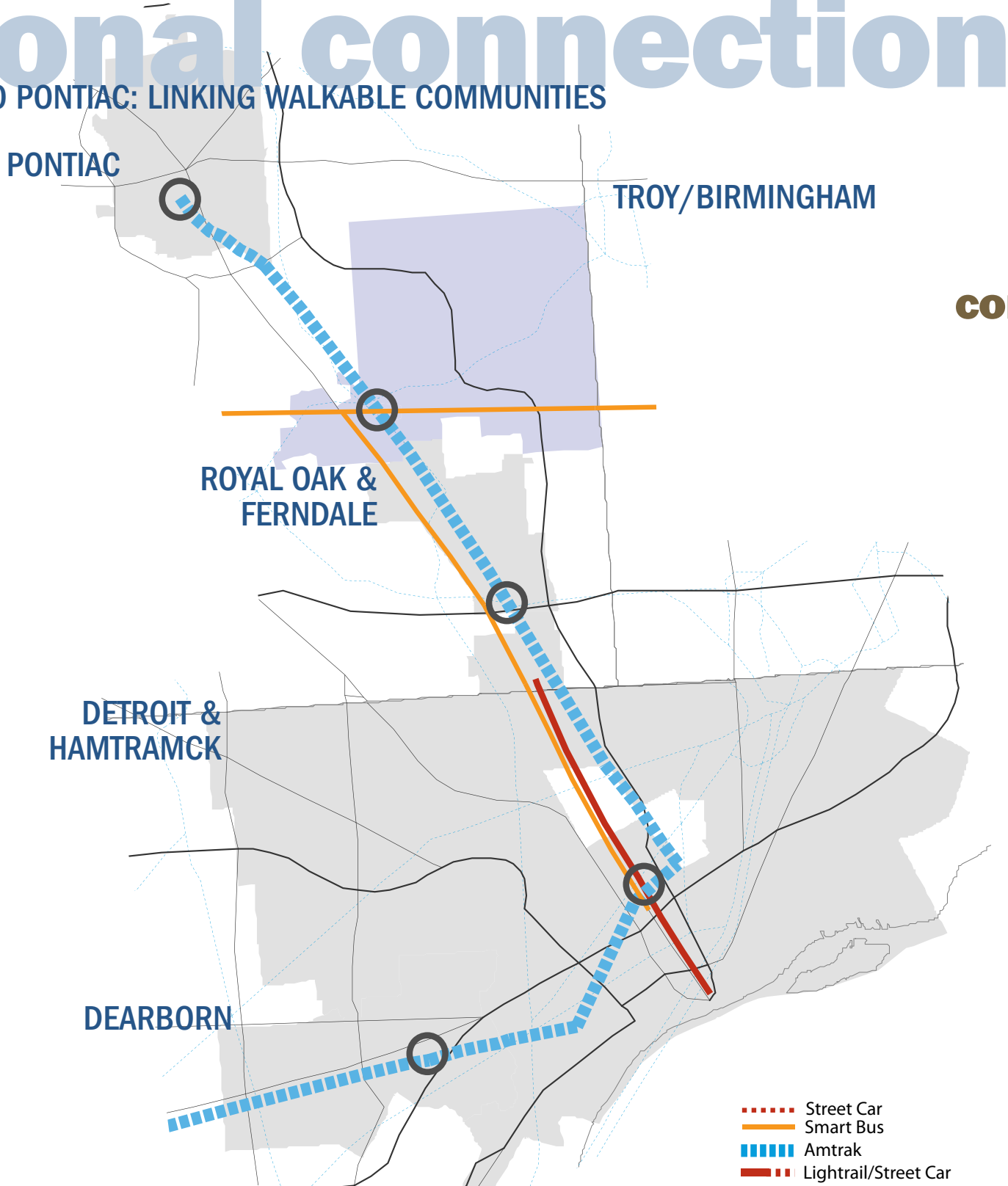
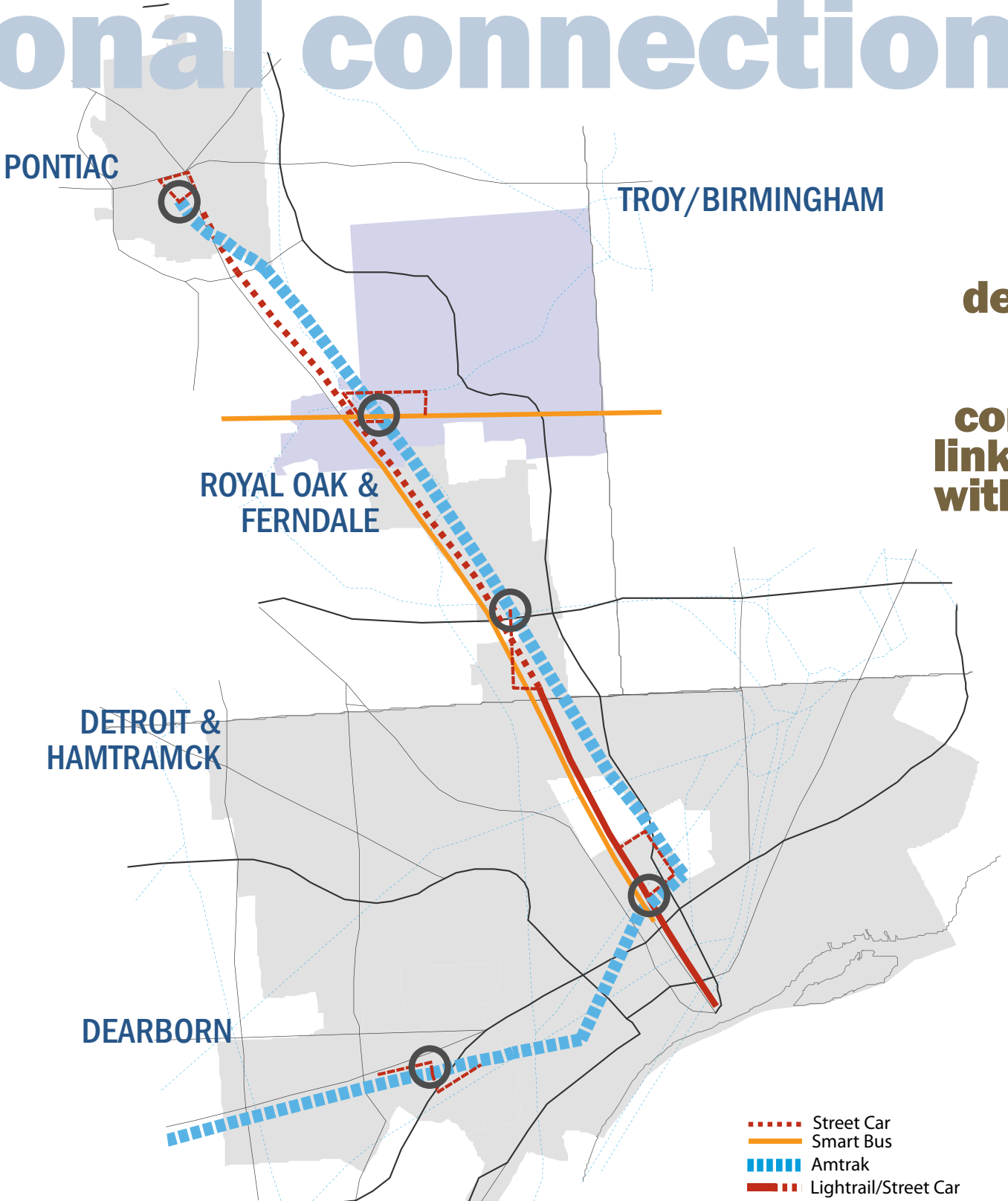


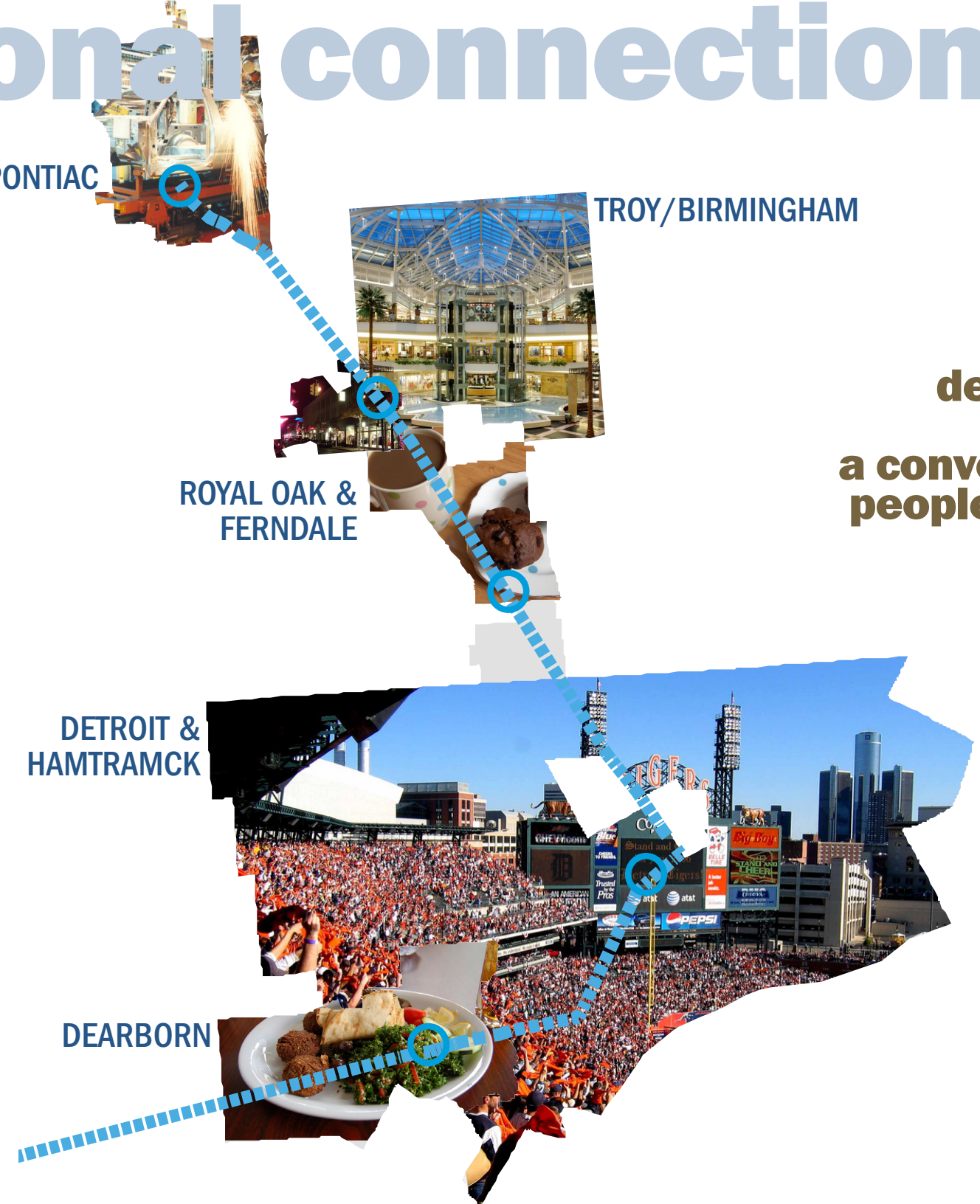
walkable communities linked up with commuter rail and smart bus

regional connections



destinations within walkable communities linked up with with streetcar

regional connections



regional and local destinations linked: a convergence of people, places & events

the first link

TROY BIRMINGHAM TRANSIT CENTER



Troy-Birmingham is the first link

connecting people


Train


Streetcar/tram


Bus


Car


Taxi


Scooter


Shuttle


Motorcycle


Segway


Bicycle


Rollerblades


Pedestrian

Troy-Birmingham Transit Center: the place that connects all modes of transportation

connecting people



Busy Mom

"I'm a busy mom- I don't have time to worry about bus stops, or catching the train at just the right moment; I usually drive everywhere I need to go....

Busy Mom



"I'm a busy mom- I don't have time to worry about bus stops, or catching the train at just the right moment; I usually drive everywhere I need to go....



But when I know that parking or traffic are going to be a hassle—like when we want to go to downtown Detroit to a show or a special event—my three-year-old daughter and I like to take the train. If we're running very late, we can actually get our tickets at the Ticketmaster counter in the Transit Center! Even though I don't use it very often, when I do use it, the Troy-Birmingham Transit Center serves my needs well."









Retired Senior Citizen from Detroit

“Once a month, I use the DDOT Dial-A-Ride service to get to the Downtown Detroit Transit Center, then head to my cardiology appointment at Troy Beaumont Hospital.



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I like the independence I feel when I manage my own transportation, rather than just being driven everywhere. I grab a quick lunch and relax before the hospital bus arrives. On my way back, it's really convenient for me to pick up my medication, a quart of milk and a loaf of bread at the convenience store inside the station before my train back home arrives."





International Businessman



“I don’t have to come to Troy very often, but when I do, the transit center’s handy. I usually fly in to Detroit and take the train into Troy, rather than worry about renting a car, since I can just get a black sedan right from the door here and be driven anywhere I need to go.

International Businessman





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The transit center is a pleasant place to be while I wait for the car—the wi-fi gives me a chance to check email for any important news, and the business center they have is nice, too—a place where I can send any last-minute faxes, print out presentation notes, or even send and receive important documents. Once, my assistant forgot to make hotel reservations—but the travel information kiosk helped me find someplace nearby."

Hotel Maid



“My normal day is made so much easier by the Transit Center. I come in on the train from Detroit every morning, to Troy for my job as a hotel maid on Big Beaver.

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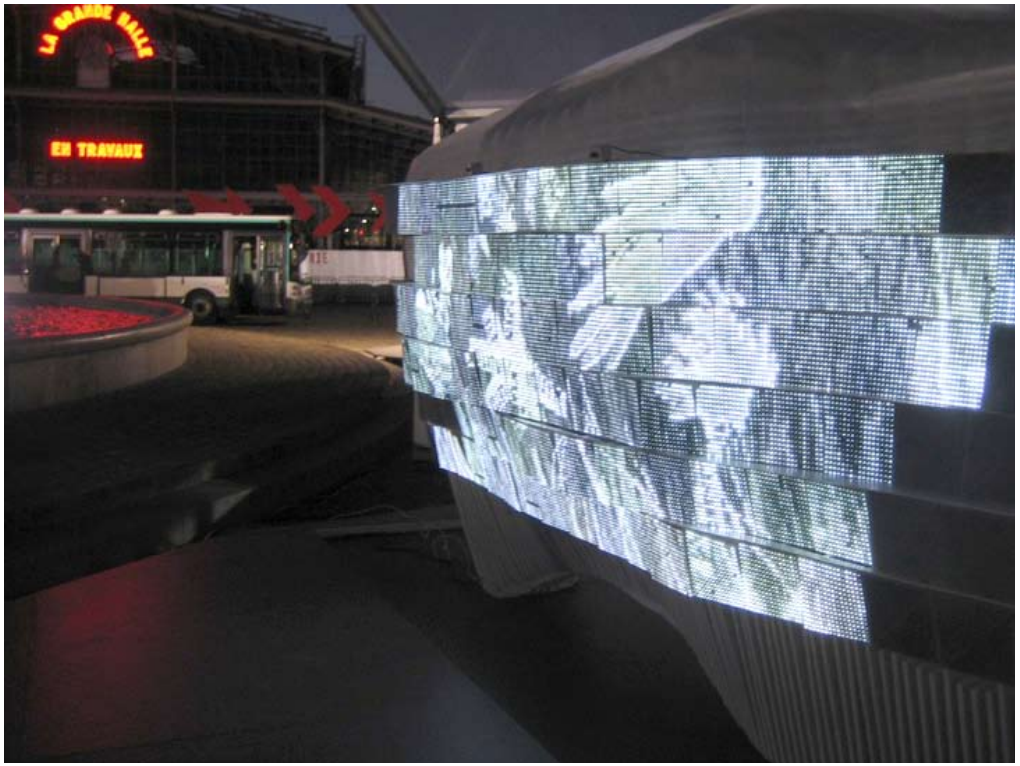
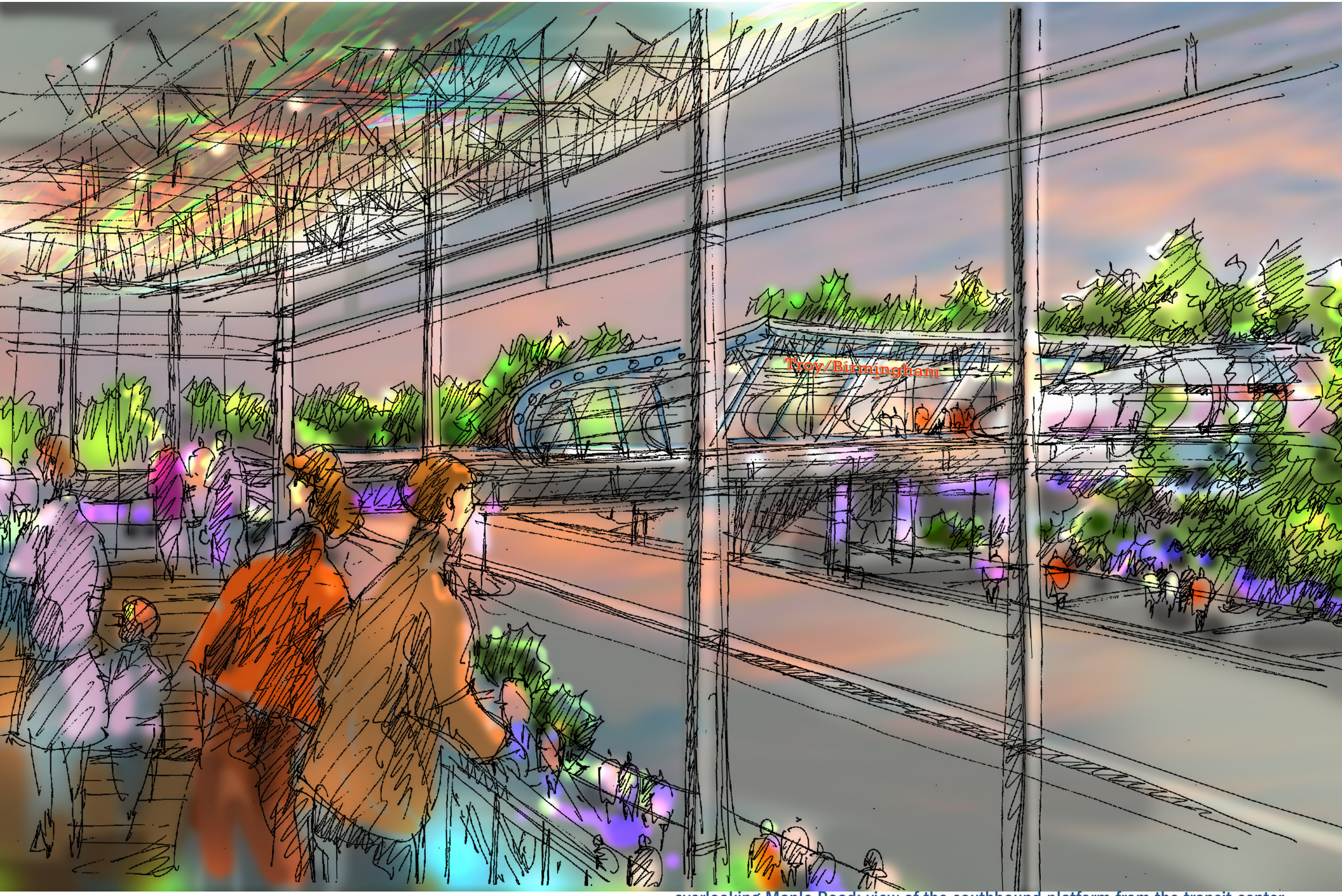
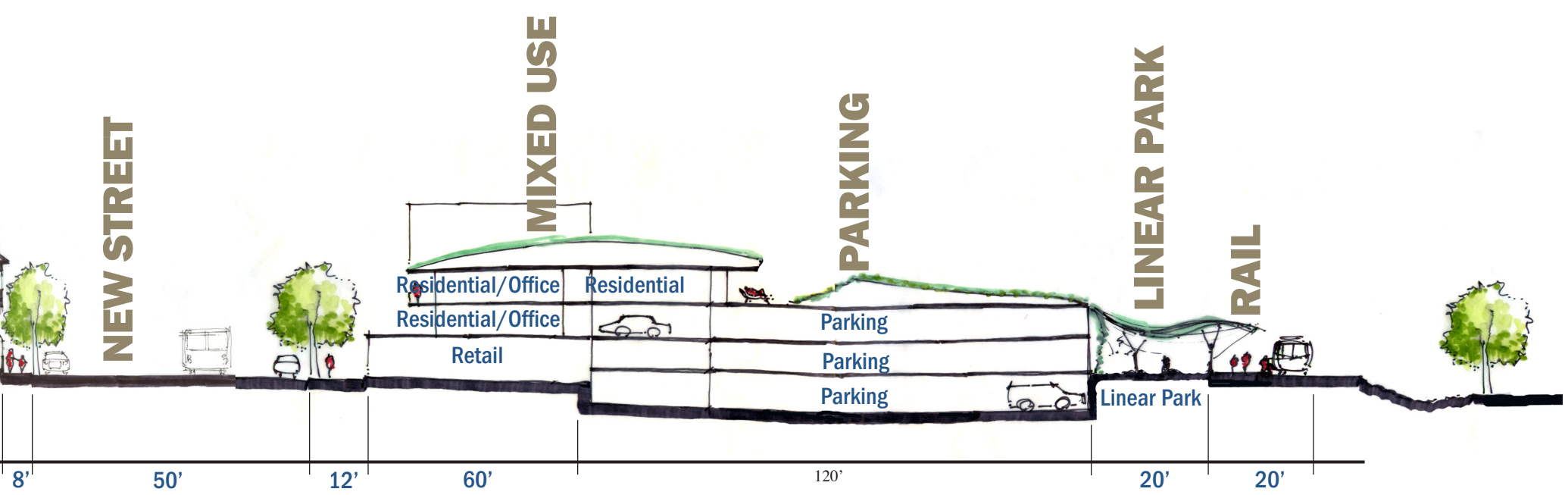


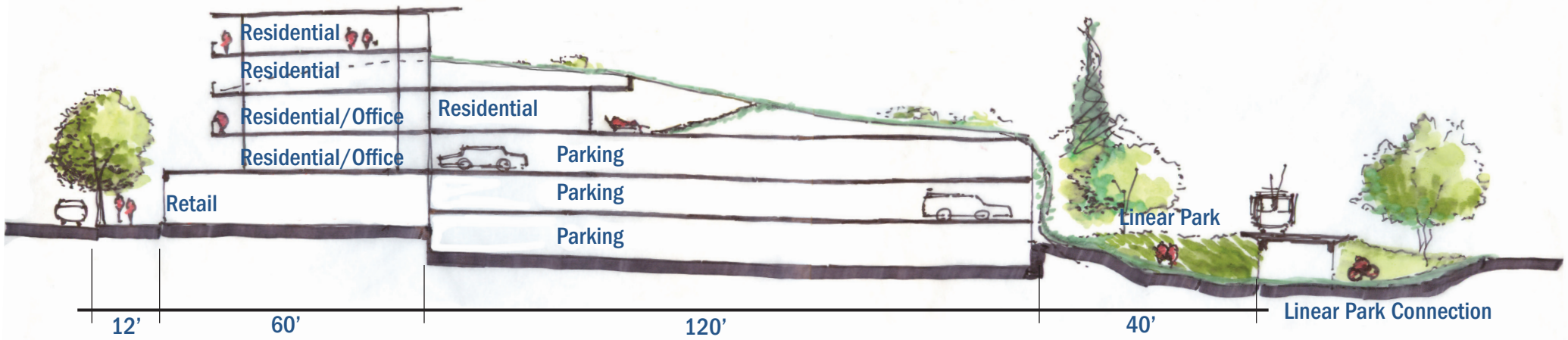
I listen to books on CD on my trip, so I usually drop off my finished book and pick up another one from the mini-library in the Transit Center. After my morning coffee, I head to the heated bus terminal in the Transit Center—no more freezing in the winter or sweating in the summer for me! The bank in the Transit Center makes it really easy for me to cash my paycheck for when I go shopping later on in the week- no more special trips."





overlooking Maple Road: view of the southbound platform from the transit center


NEW STREET
MIXED USE
PARKING
LINEAR PARK
RAIL
Residential/Office
Residential
Residential/Office
Retail
Parking
Parking
Parking
Linear Park
8’
50’
12’
60’
120’
20’
20’


Residential
Residential
Residential/Office
Residential/Office
Residential
Retail
Parking
Parking
Parking
Linear Park
Linear Park Connection
12’
60’
120’
40’



view of the Transit Center from Maple Road; from under rail line/station platform overcrossing

the plan

AERIAL VIEW LOOKING EAST



the plan

AERIAL VIEW LOOKING EAST



the plan

AERIAL VIEW LOOKING EAST



the plan

AERIAL VIEW LOOKING EAST



the plan

AERIAL VIEW LOOKING EAST



the plan

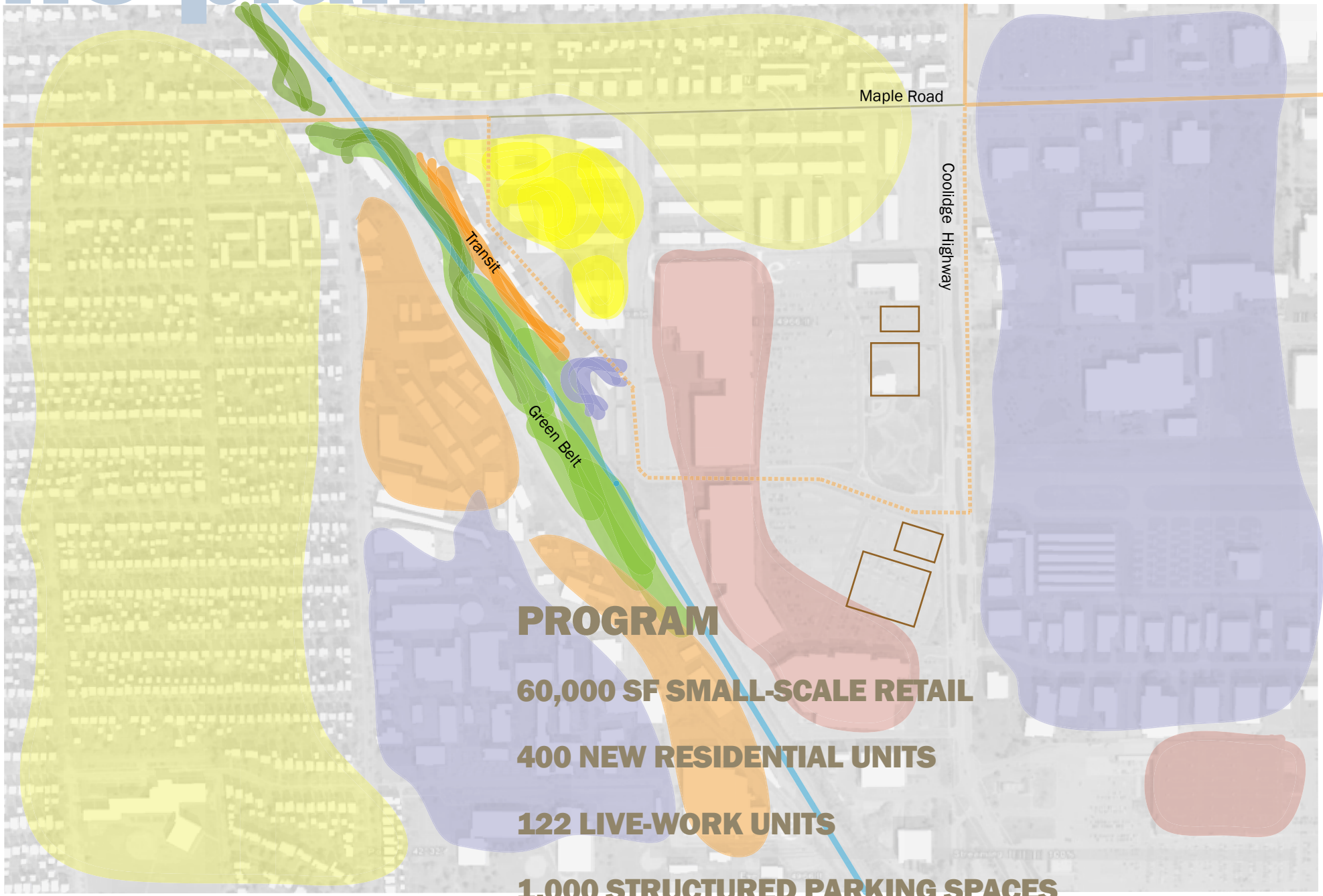
AERIAL VIEW LOOKING EAST





aerial view looking south

the plan



PROGRAM

60,000 SF SMALL-SCALE RETAIL

400 NEW RESIDENTIAL UNITS

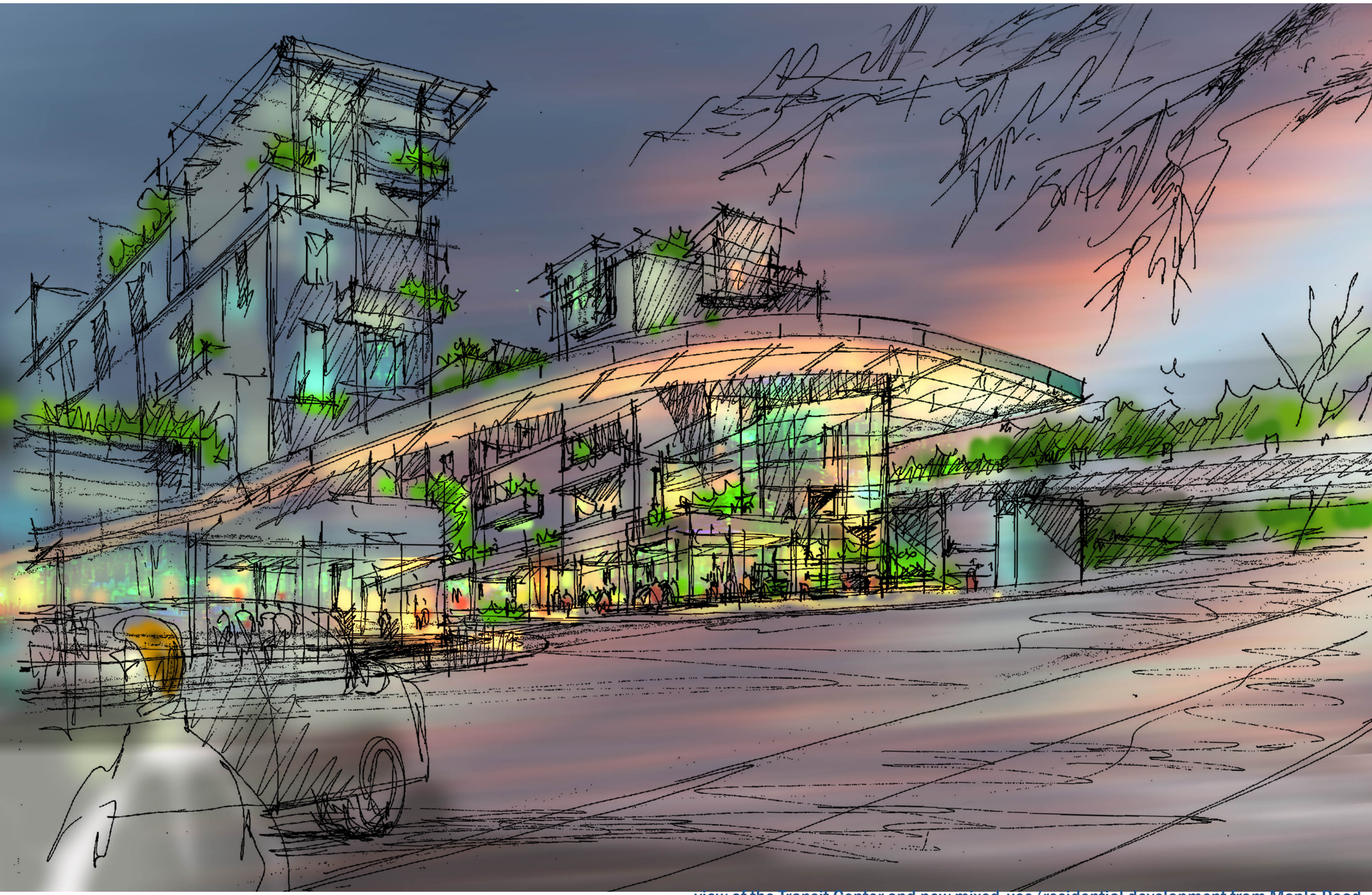
122 LIVE-WORK UNITS

1,000 STRUCTURED PARKING SPACES

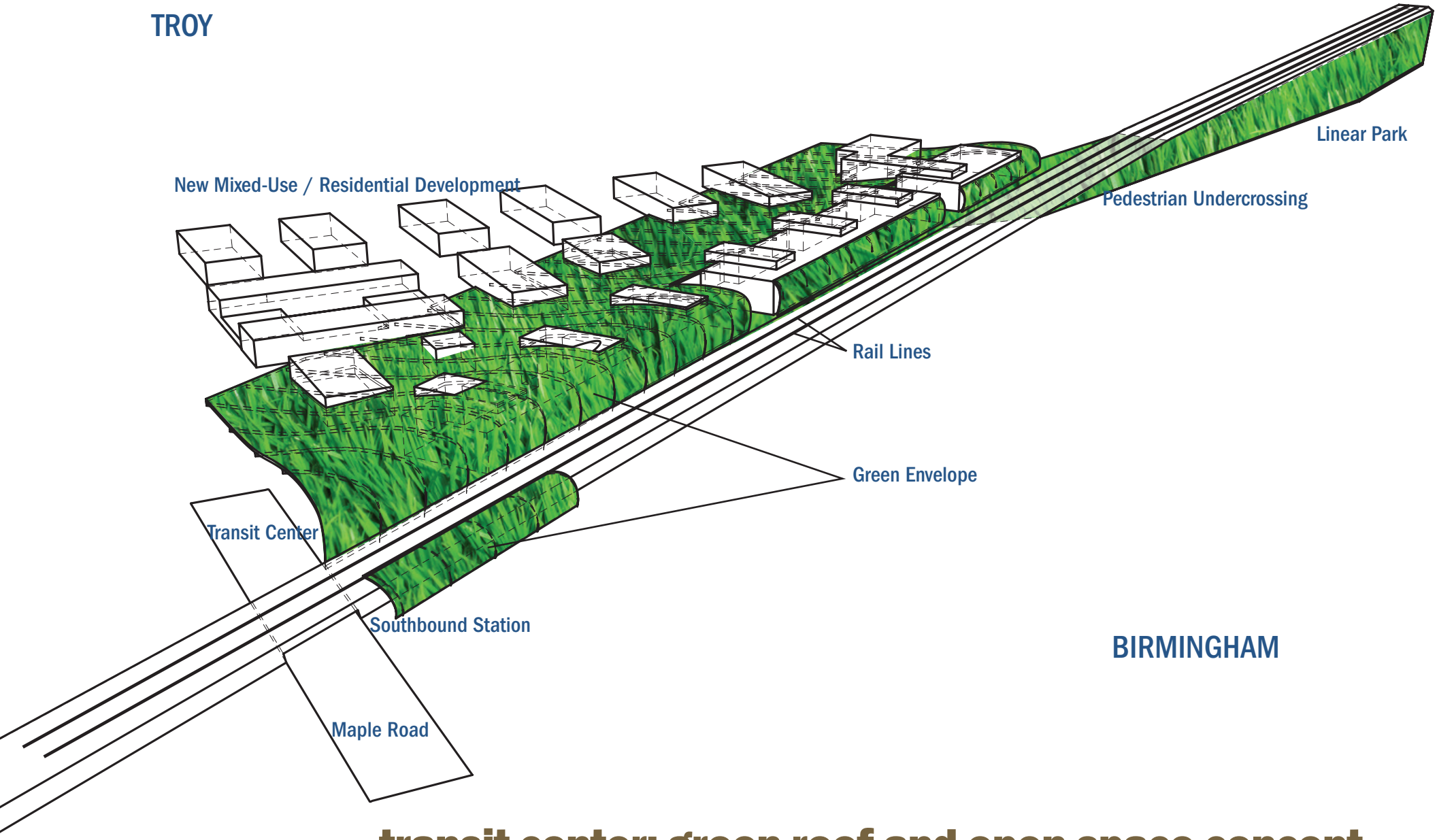
140,000 SF FUTURE ADDITIONAL LARGE FORMAT RETAIL

Residential
Ligint Industrial
Mixed Use
Linear Park

Train Line
Bus Line



view of the Transit Center and new mixed-use/residential development from Maple Road



transit center: green roof and open space concept

connecting people

ADDITIONAL USER PROFILES

Single Mother & Wayne State student



“Life can be difficult sometimes as a single-working mother and university student. I live in Auburn Hills and work and attend school at Wayne State in Detroit. The nights when I have class I have to take my kids to Detroit with me to stay at their grandmother’s house. Luckily, the transit center has “kid-friendly” features that occupy my children while we’re waiting so I can have a minute to myself and downloads my class assignments to my laptop using their free wireless internet service.

Two International Wayne State Students



"This Saturday Ines and I decided to check out downtown Birmingham and the Somerset Collection. We took the train from Detroit and then caught a bus to Somerset. We shopped at the mall for a few hours, then took a bus back to the transit center so we could walk from there and explore the shops and restaurants in Downtown Birmingham. We spent way too much money on new clothes—but I got some really great stuff and got to enjoy the warm weather! My friend Amanda called me and wants me to check out the "Culture and Entertainment" touch screen at the station before we leave Birmingham—so we can decide which club in Detroit we should go to tonight to celebrate."

Seven-year old child



“I love going to the train station! It’s great to see all the trains and buses pull in and out, taking bunches of people everywhere! And the playground is super-awesome, way better than the one at school!”

Working Birmingham father



“Today my day started at 6:30 in the morning because it was my turn to take my daughters to daycare. I parked my car in the parking structure attached to the transit center, then walked them to the nearby daycare center before I headed into the transit center. I deposited money in the ATM, bought a cup of coffee and newspaper, mailed a package to the firm in China, and checked the Detroit Metro Airport flight schedule to see if my business colleagues would be arriving on-time for our meeting this afternoon. It’s great to be able to be so productive before heading to my office on Big Beaver.”

Teenage boy



“The transit center’s pretty ok. My mom drops me off there when I go to visit my dad. The wi-fi’s alright, but it’s nothing special or anything. I just need to be able to check on what’s happening, you know? MySpace and whatever. The chairs are pretty comfortable, and the coffee from that little place is fine, I guess, but they should really get a smoothie place in here. The bank’s pretty sweet, for a bank—I can get cash for the weekend. And nobody hassles me when I just want to sit and listen to my music.”

High Tech International Transportation Consultant



"I am really happy they finally put in this commuter rail-line from Detroit Metro Airport, through Downtown Detroit and up through Pontiac. It makes it a lot easier to travel from Curitiba, Brazil to meet with my international colleagues without needing to rent a car. I work for a transportation technology firm in Brazil, so I think it's really great to get off at the Troy-Birmingham transit station, be able to add minutes to my U.S. cell phone, find a hotel room, and test our client's newest innovations in transportation technologies, all before I meet with them in the afternoon. I like having the option of using new technology or taking the streetcar to their firm for a meeting."