

Regional Transit Center Relocation

May, 2021



Requested Action

Approve a Material Change to the Durham County Transit Plan and include funding for design, land acquisition, and construction:

- ▶ FY22 Funding: \$600,000
- ▶ Total FY22-24 Funding: \$2,850,000
- ▶ 20% of local match
- ▶ 10% of total estimated project cost



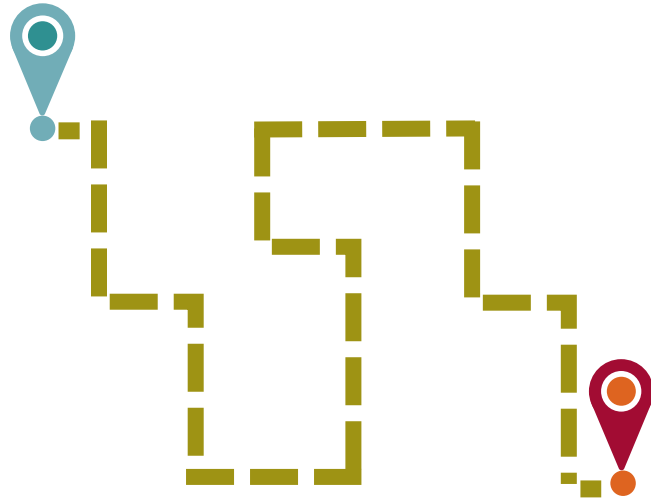
Regional Transit Center Relocation Study



Study Purpose



Safety & Functionality



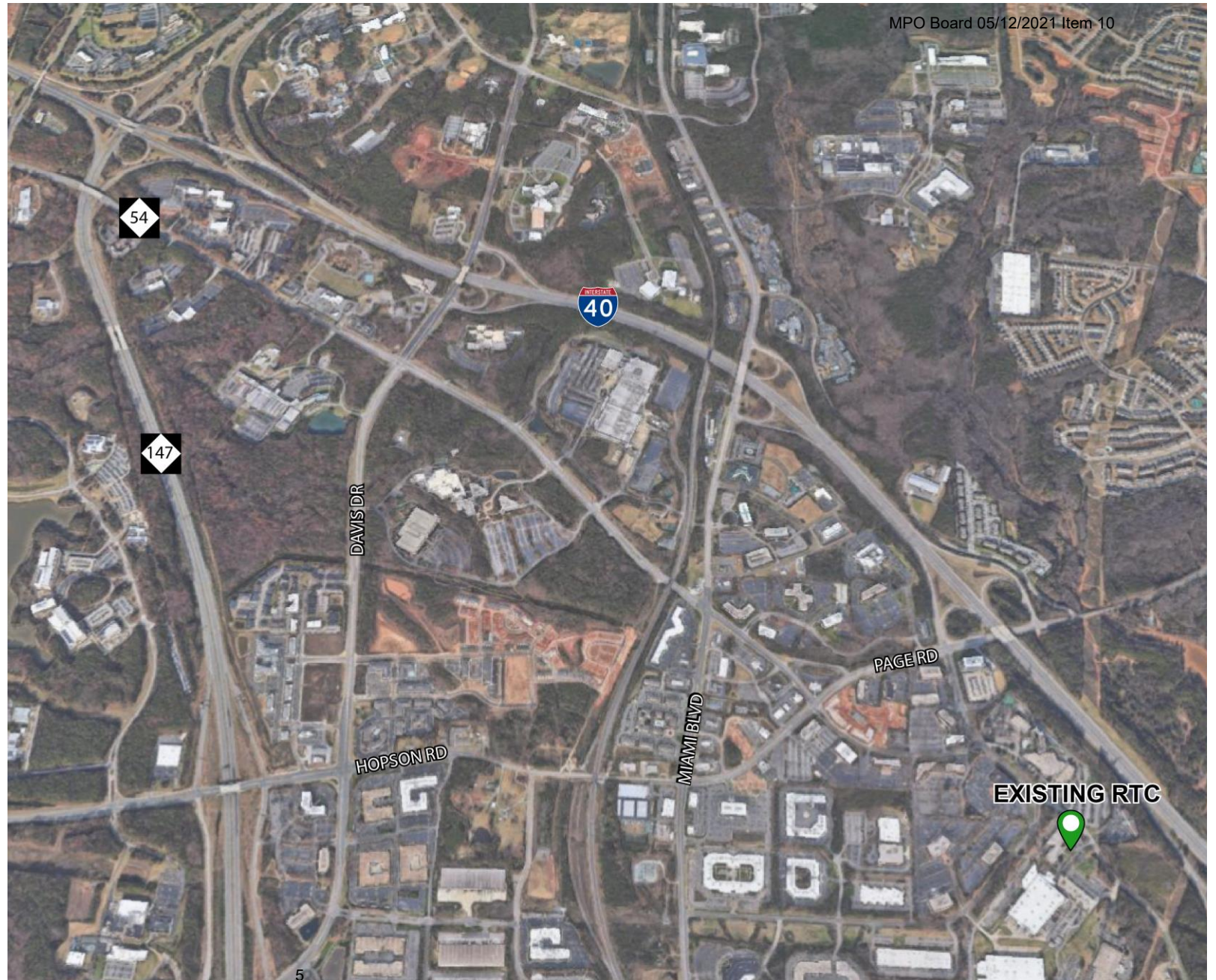
Access & Connections



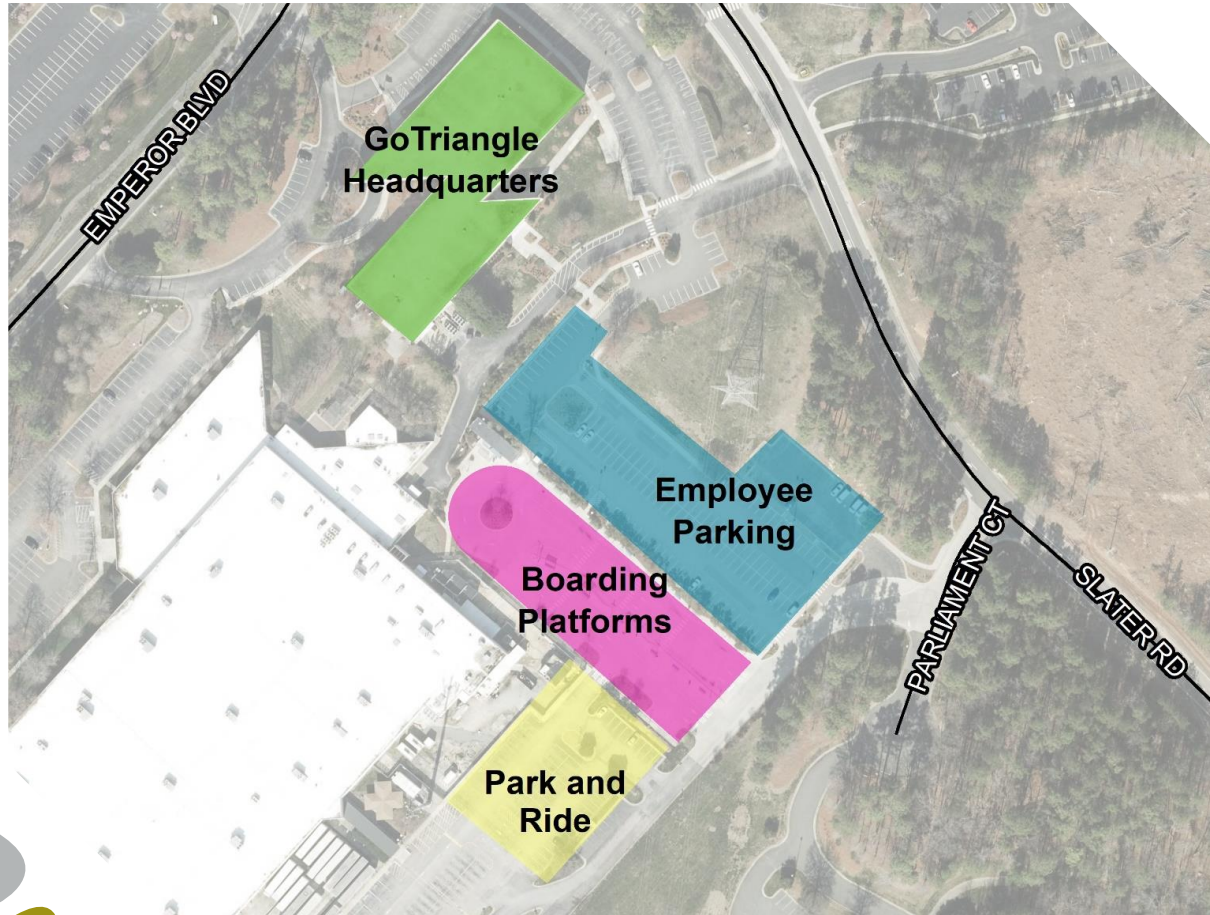
Speed & Reliability

Purpose: Evaluate opportunities to relocate and improve the Regional Transit Center to enhance functionality, connectivity, and reliability.

Existing Regional Transit Center



Existing Conditions



- ▶ Serves 10 routes + Microtransit
- ▶ 1,000 daily boardings
- ▶ 100 daily park & ride users
- ▶ Own headquarters building
- ▶ Lease park & ride and RTC



Safety and Functionality

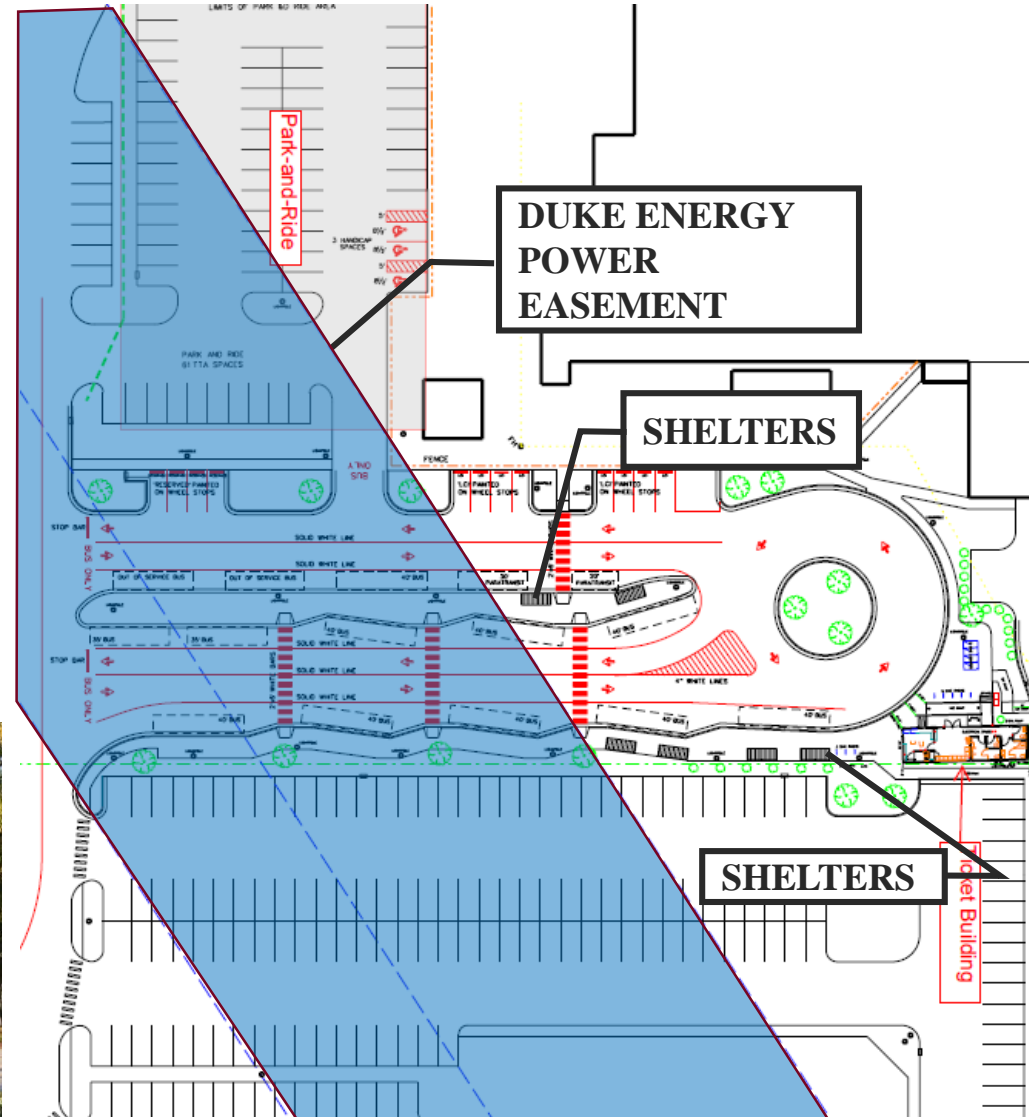
- ▶ Platform space limited and constrained
- ▶ Limited separation between users
- ▶ Buses share driveway with other vehicles



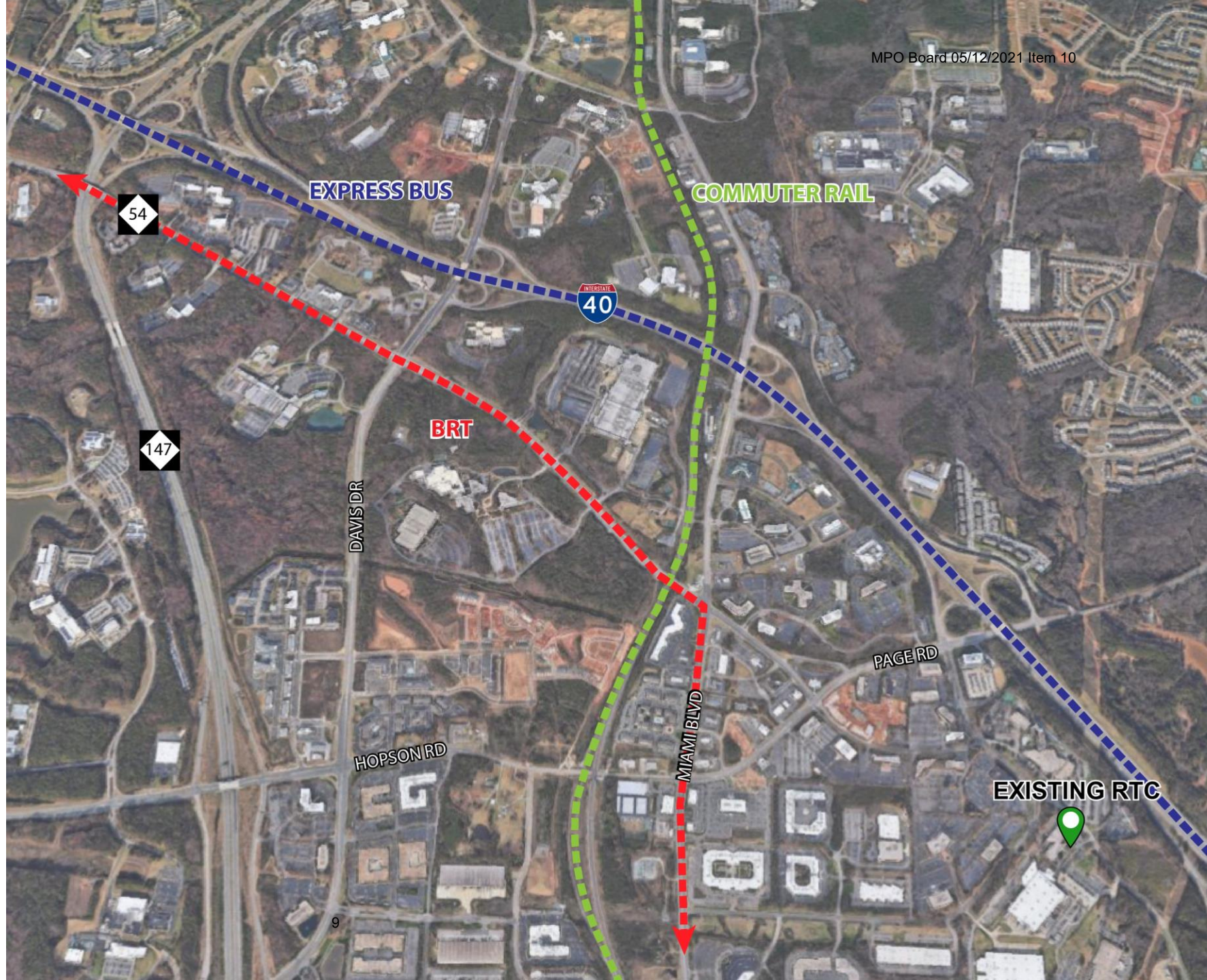
Passenger Amenities

- ▶ Limited shelter coverage
- ▶ Duke Energy Easement precludes ability to add more shelters on site

What would improve the experience outside on the bus platforms? (Choose all that apply)



Access & Connections



Speed & Reliability



56% Arrive late and/or miss transfer due to delays

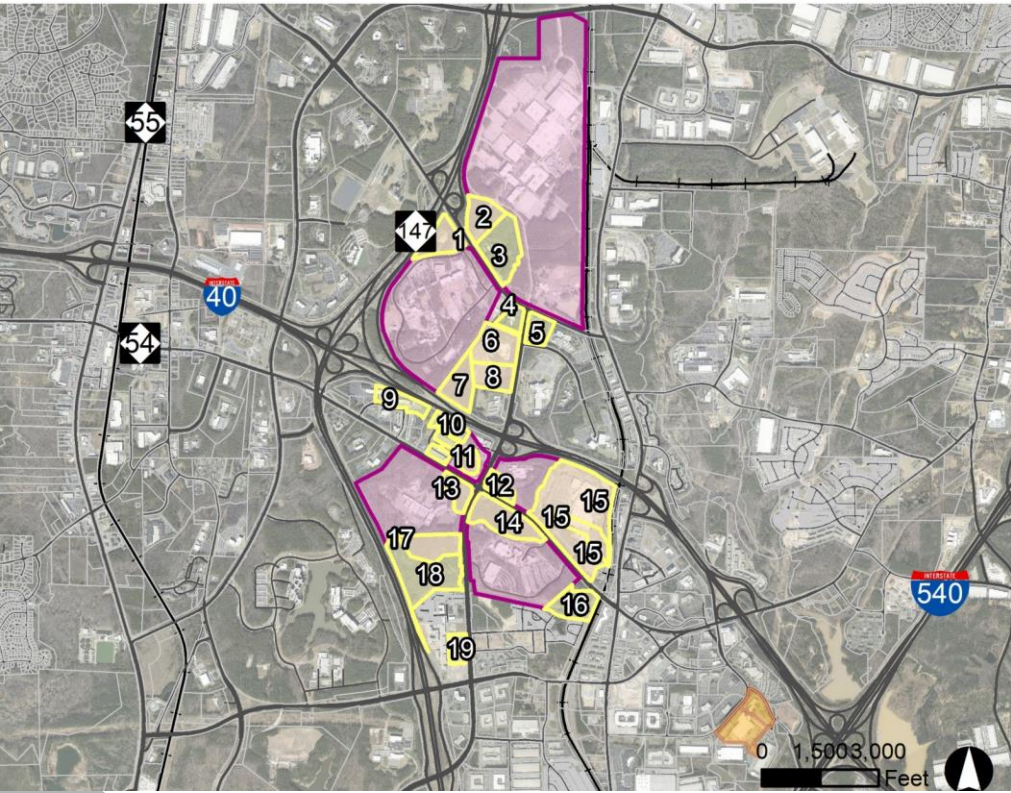
- ▶ Shared, unsignalized entrance to the site causes delays for buses
- ▶ Boarding platform location creates access conflicts between cars and buses



Site Search and Evaluation

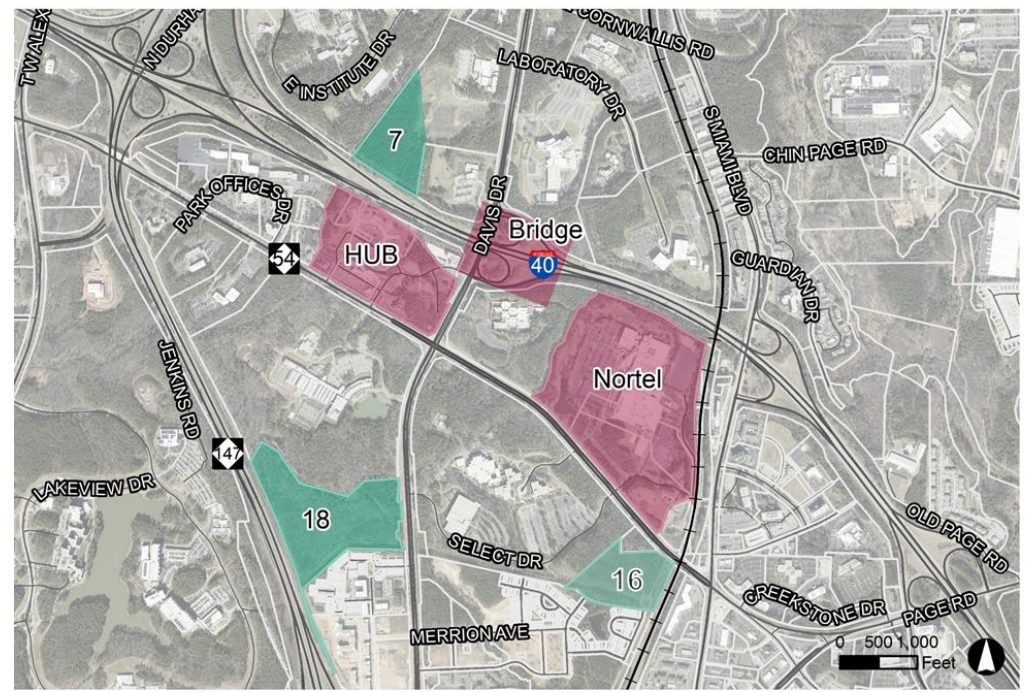
Regional Transit Center Relocation Study Round 4

- Regional Transit Center
- Identified Parcel
- Parcels to be Subdivided
- Parcel
- Rail

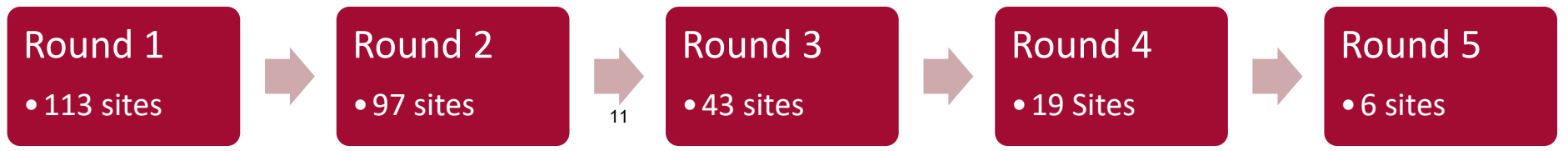


Regional Transit Center Relocation Study Context Map

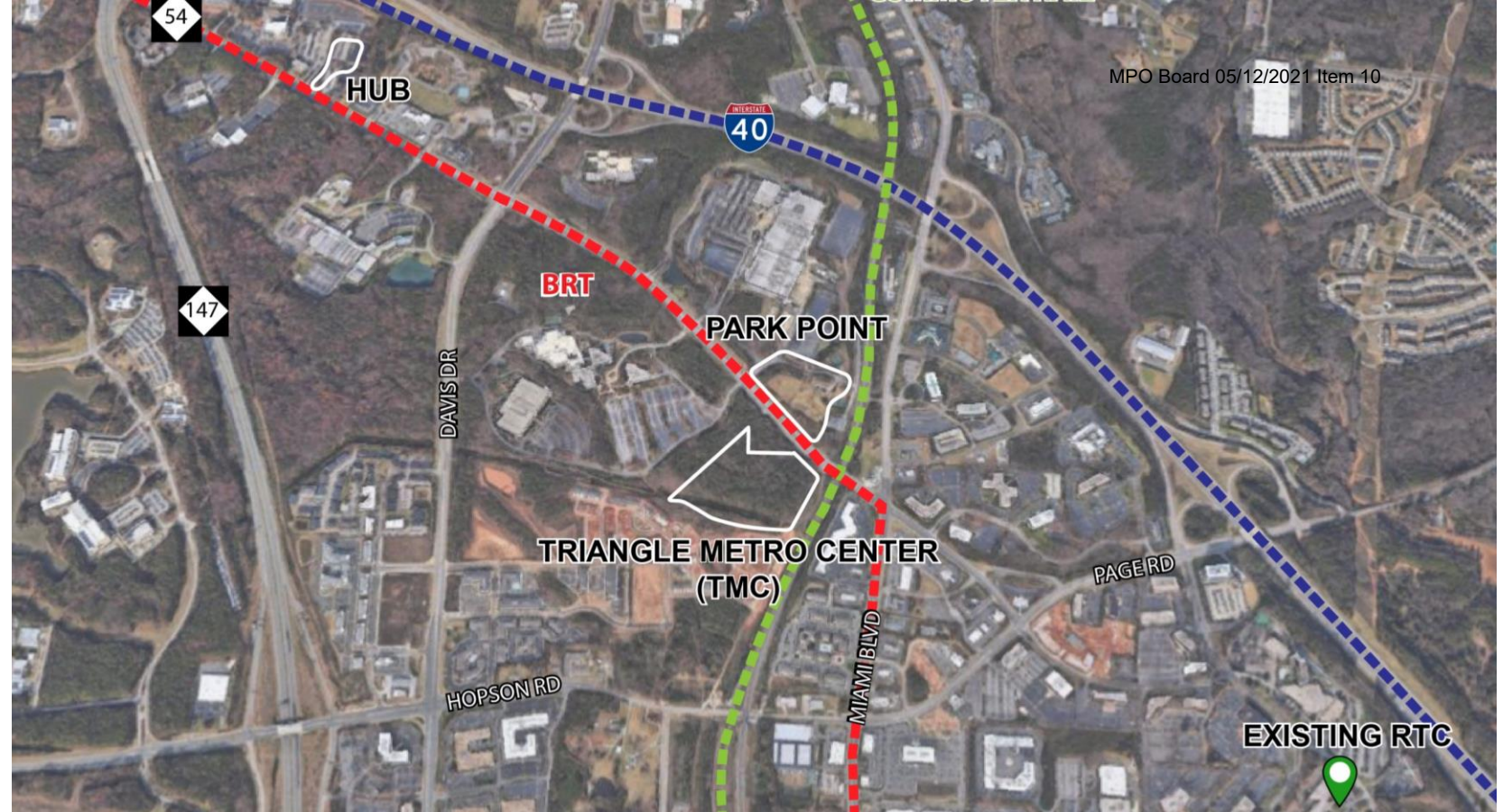
- Potential Site
- Opportunity Site
- Rail
- Parcel



Search Process



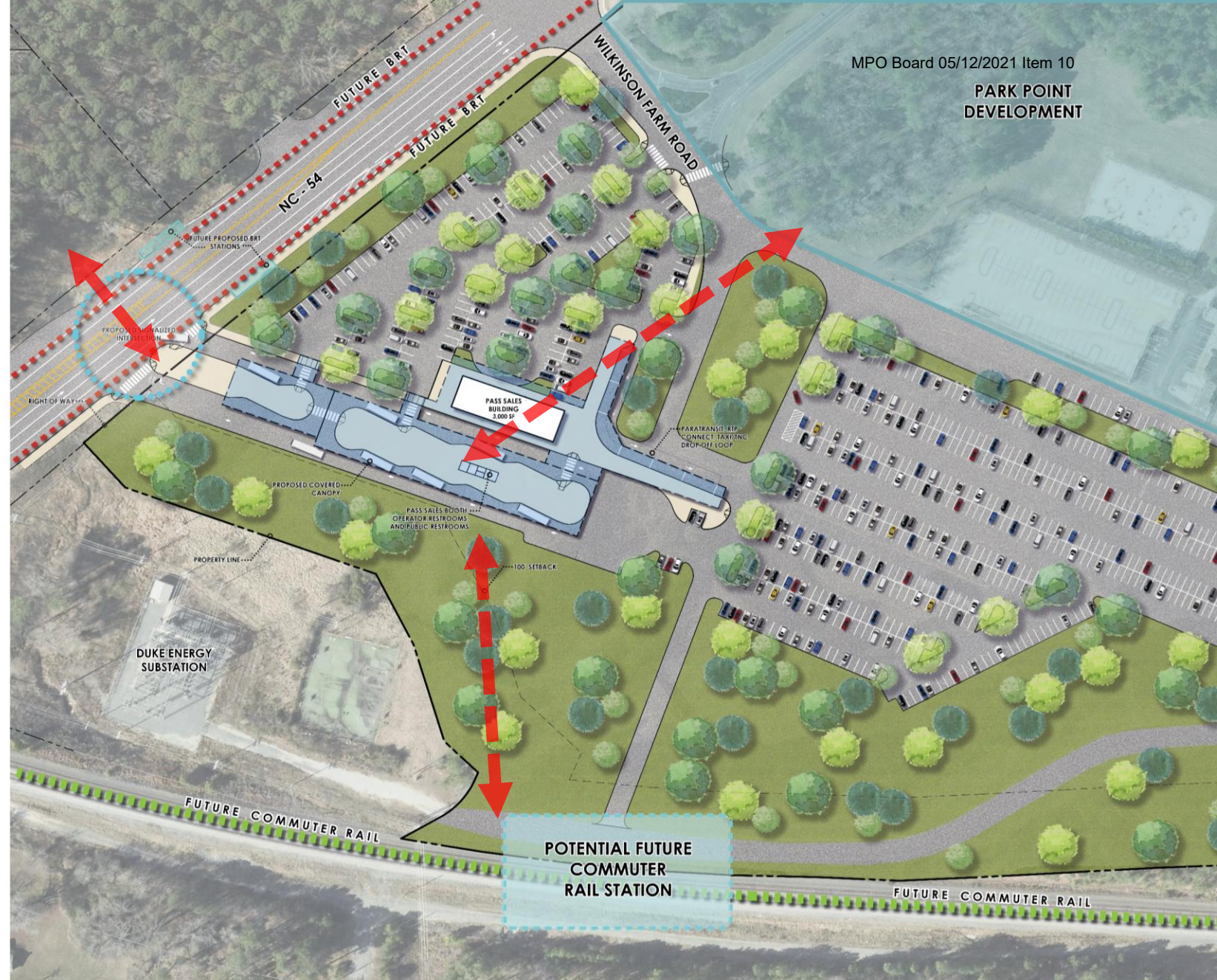
Location Evaluation



	Goal	HUB	Park Point	TMC	Existing
Mobility (30%)	Improve Bus Speed and Reliability	3.80	3.80	3.00	2.60
Community (20%)	Improved access to goods, services, and potential development	4.50	4.50	3.00	1.25
Viability (20%)	Ease of acquisition and constructability	3.40	3.40	3.80	2.40
Walk Access (10%)	Access to existing employment	2.00	3.00	4.00	1.00
Multimodal (20%)	Provide connections to BRT, CRT, and Triangle Bikeway	3.60	5.00	5.00	1.35
	Total	3.64	4.02	3.66	1.88

Conceptual Program

- ▶ Improved access to highway network
- ▶ Bus-only driveway and traffic signal at NC 54
- ▶ Access to planned Bus Rapid Transit, Commuter Rail, Triangle Bikeway
- ▶ First / mile last mile connectivity to Hub RTP



MPO Board 05/12/2021 Item 10

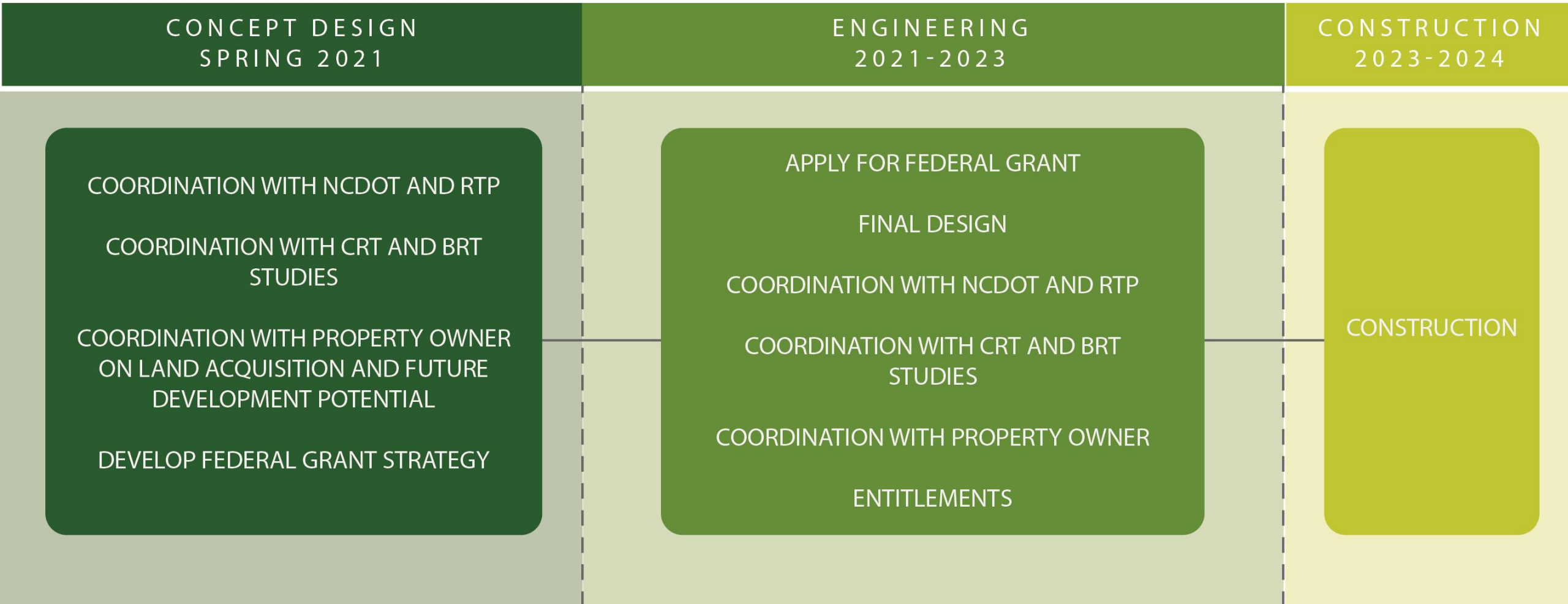
PARK POINT
DEVELOPMENT

Conceptual Program

- ▶ 10 Bus Boarding Bays
- ▶ 2 Out-of-Service Bays
- ▶ Drop-Off Loop
- ▶ Pass sales booth & comfort station on boarding platform
- ▶ 5,000 SF Waiting room / meeting space / office
- ▶ Footprint for future development



Next Steps



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Thank you!