USA PRT

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USAPRT

Ben Barnes Group

Garriott Enterprises

Austin Based Gaming Leader

ULTIMA, AVATAR, MMORPGS

Global Exploration Leader

FRONTIERING COMPANIES

October 12 2008

#483 Person to Orbit Earth

6th Private Citizen

1st Second Generation American

Post Flight Focus on Civics

National Environmental Hall of Fame®
Honoring Top Environmentalists in Every Community

AUSTIN PRT

Are YOU a regular user of public transit?
I am NOT a public Transit user.

- Rarely the commuter's best choice
  - Not on demand
    - Must go to a stop and wait in weather
  - Not point to point
    - Must follow their route, including exchanges
  - Not full speed to destination
    - Numerous stops for passenger loading, unloading
  - Involved in or creates traffic
    - Specialty lanes displace other traffic
  - Not private –
    - Share seats, share environment, no spreading out

Buses & Trains CAN NOT Solve the Problem

- Operate ON the roadway in the traffic adding or effected
- Rail installation, massive investment and infrastructure impact
- Vehicle outweighs passengers & energy inefficient, unless full
- UNIVERSALLY heavily subsidized cost per rider

Self Driving Cars will only help “eventually”

- Self driving cars are coming!
- Self driving will help, a lot, eventually.
- It will take years to deploy, and years to replace existing fleets
- They will mitigate it getting worse
- We need a solution NOW!

Personal Rapid Transit

- On Demand
- Point to Point
- Non Stop at Full Speed
- Private
- Low Cost
- Low Infrastructure Impact
- No Taxpayer Subsidies

What is PRT?

- Vehicle
  - Small lightweight 4 person “pod”
  - Computer driven
  - Electric (Battery operated)
  - Think automated “air conditioned golf cart”
- Guideways
  - Raised, lightweight, unpowered
  - One way, full speed, loading off guideway
- Stations/stop
  - Vehicles wait for you, charging
  - Often in buildings or parking garages
- Multiple available options
  - Known: Cost, ridership, safety, maintenance
- Throughput of people as good or better than other transit options

Most Important Point

- Superior Solution at Fractional Cost
  - Light Rail
    - ~$1.5B
    - ~10 mile
    - Inefficient transit line
  - PRT
    - ~$100M
    - ~7 miles
    - Superior transit web
- NO TAXPAYER DOLLARS
  - Can be completely privately financed
  - Available to build NOW!

Example PRT User Experience

Vehicles wait for you while charging

Select Destination

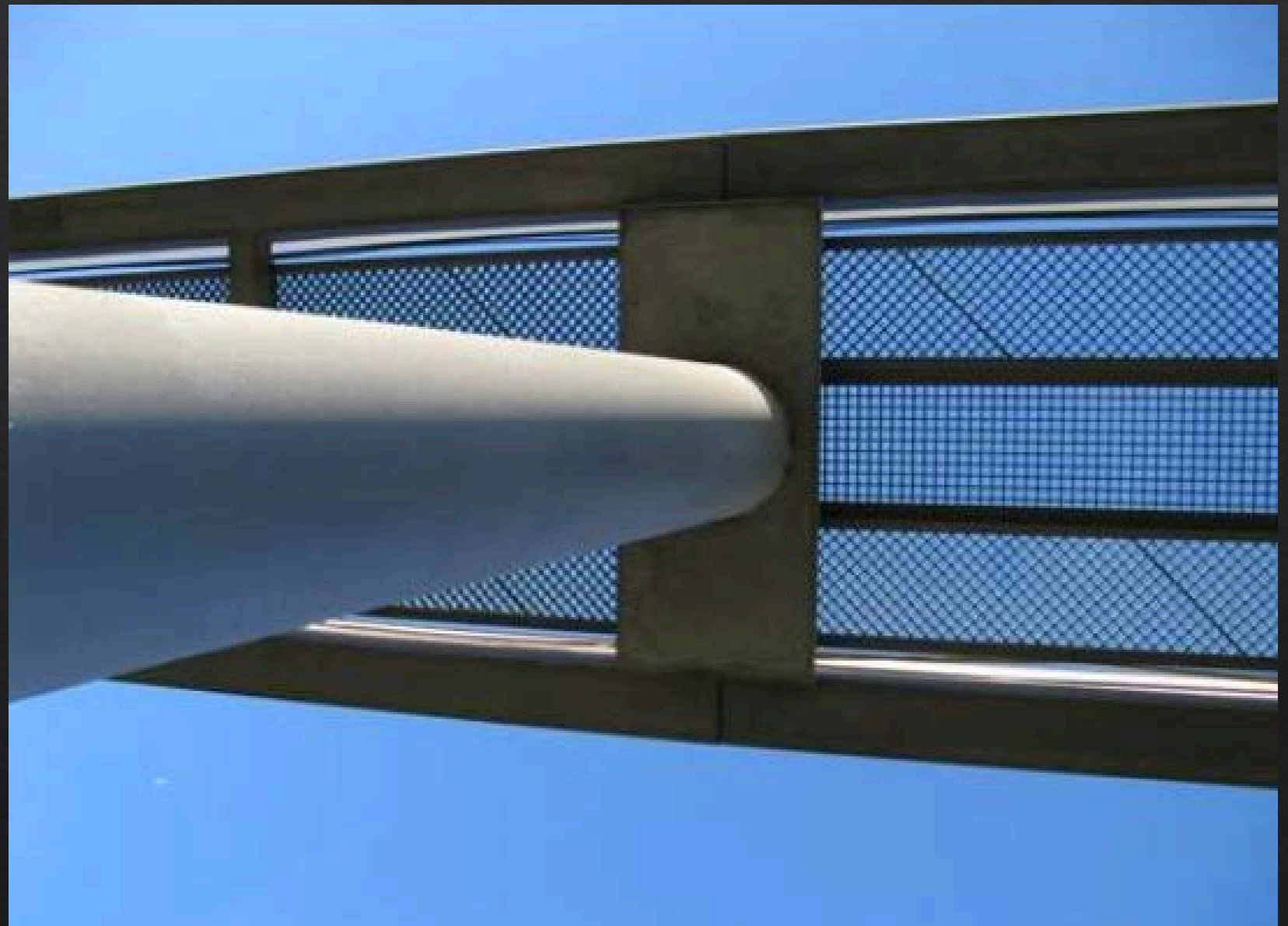
Board Vehicle

ADA, Bikes, Families

Sit & Press “Go”

Direct onto Full Speed One Way track

Light Unpowered Elevated Guide Ways



Full Speed & Non-Stop to Destination

Private Comfortable Fast

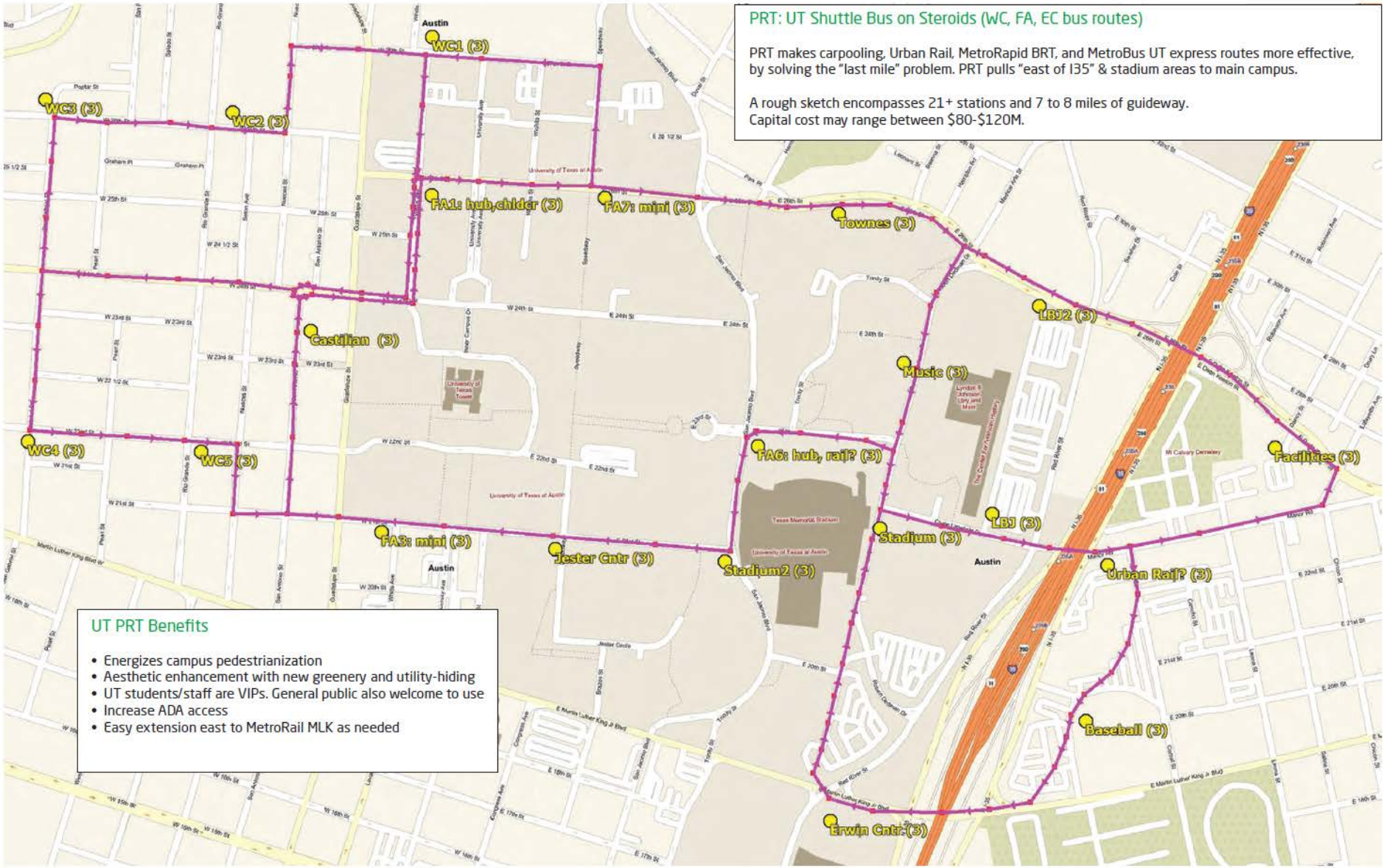
Easy 24/7 Monitoring

Integrates with Existing Infrastructure

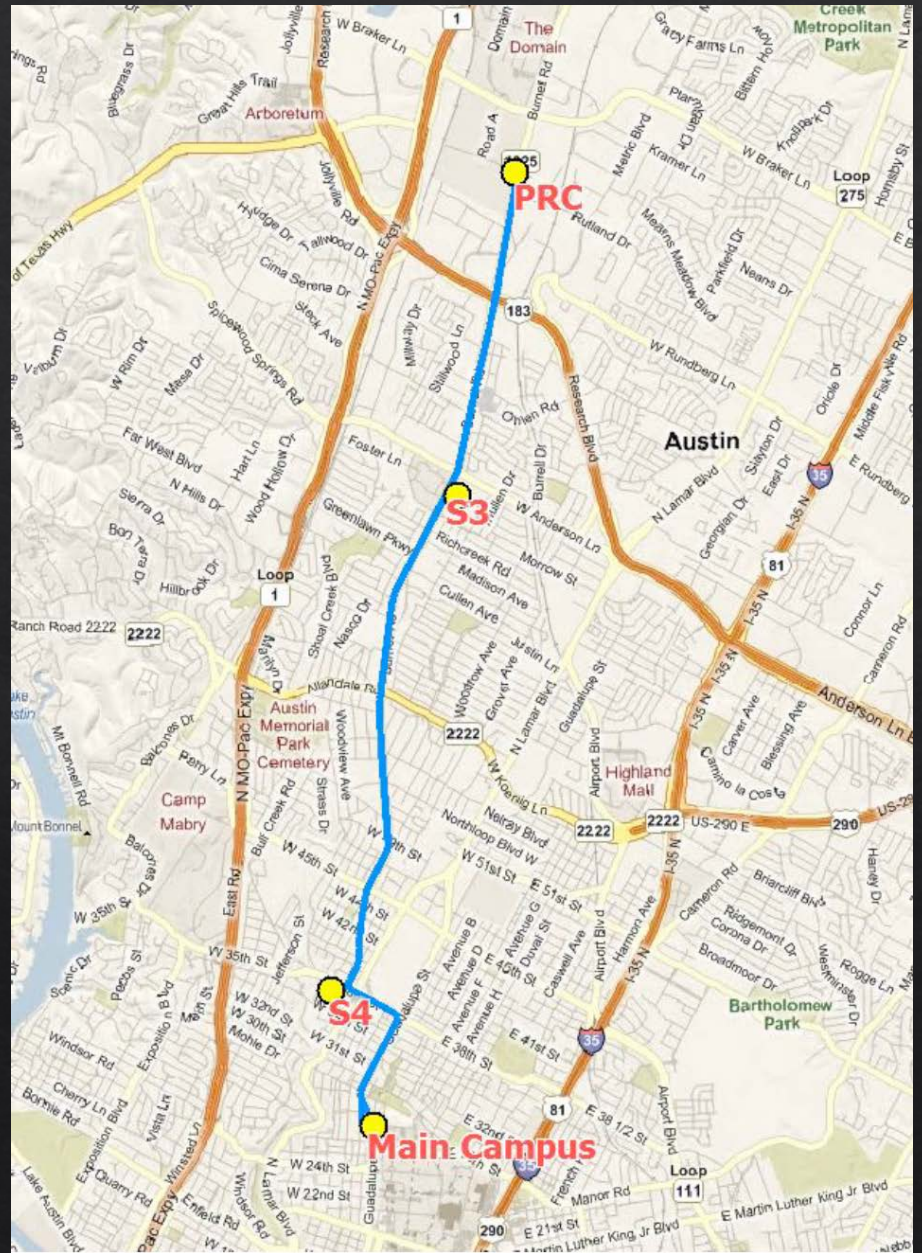
Direct into 2nd Floor Garages & Buildings

Personally Funded Extensive Study

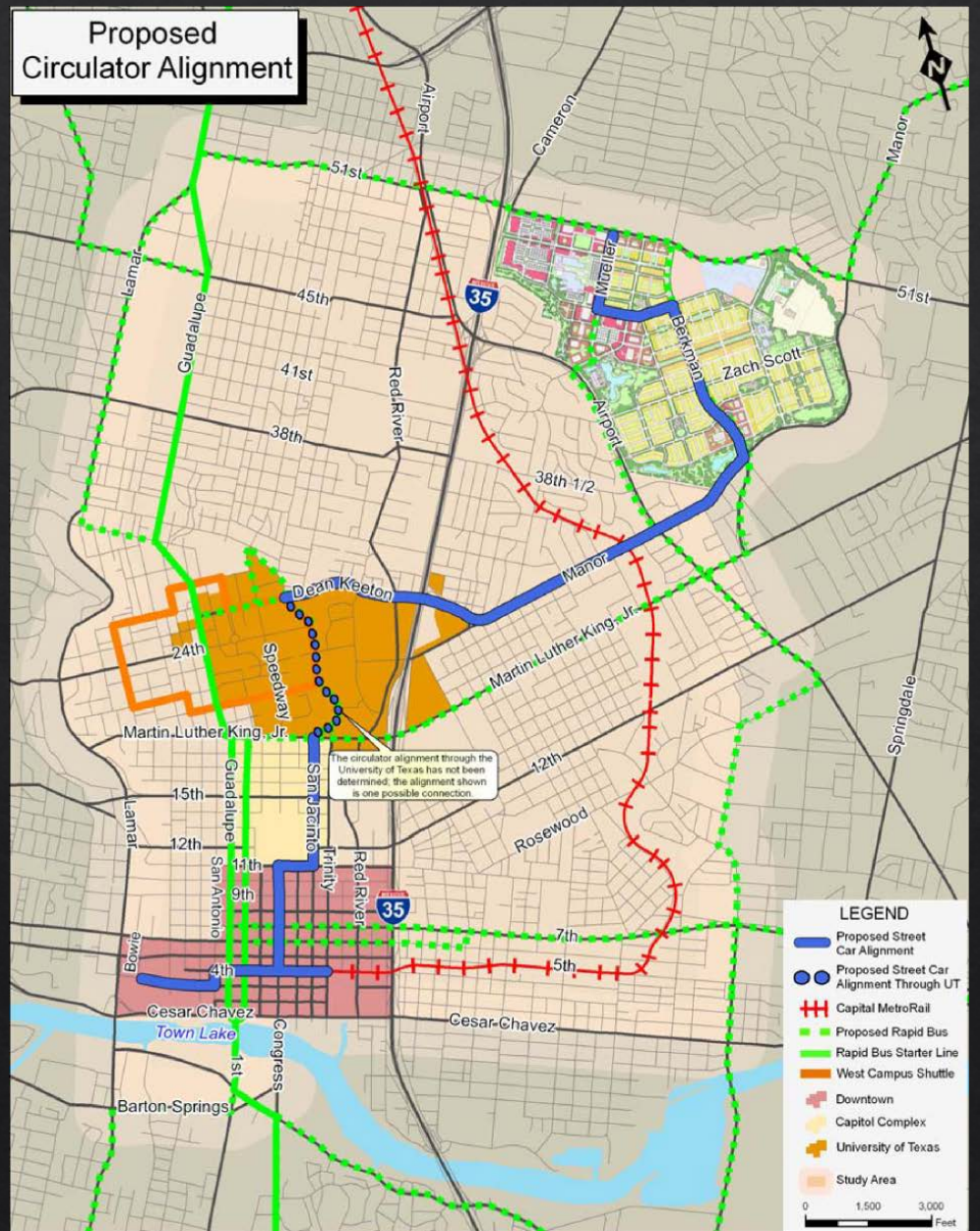
Campus 40 Acres & East of I35



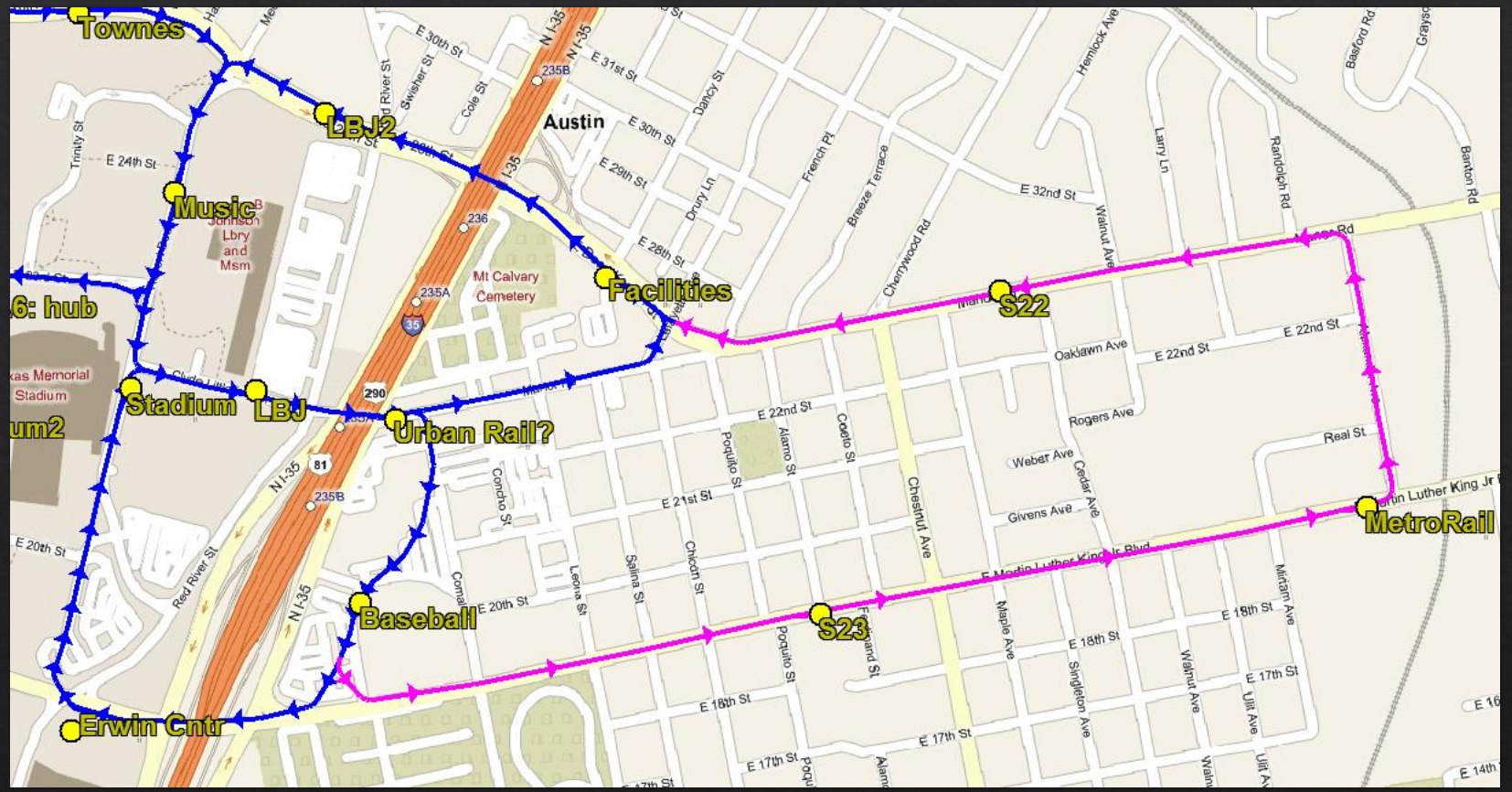
JJ Pickle


PRC
S3
S4
Main Campus
Austin
The Domain
Arboretum
Austin Memorial Park Cemetery
Camp Mabry
Highland Mall
Bartholomew Park
Creek Metropolitan Park
Loop 1
Loop 275
Loop 111
Research Blvd
N MO-Pac Expy
Anderson Ln
Ranch Road 2222
US-290 E
I-35 N
183
81
290
2222
35

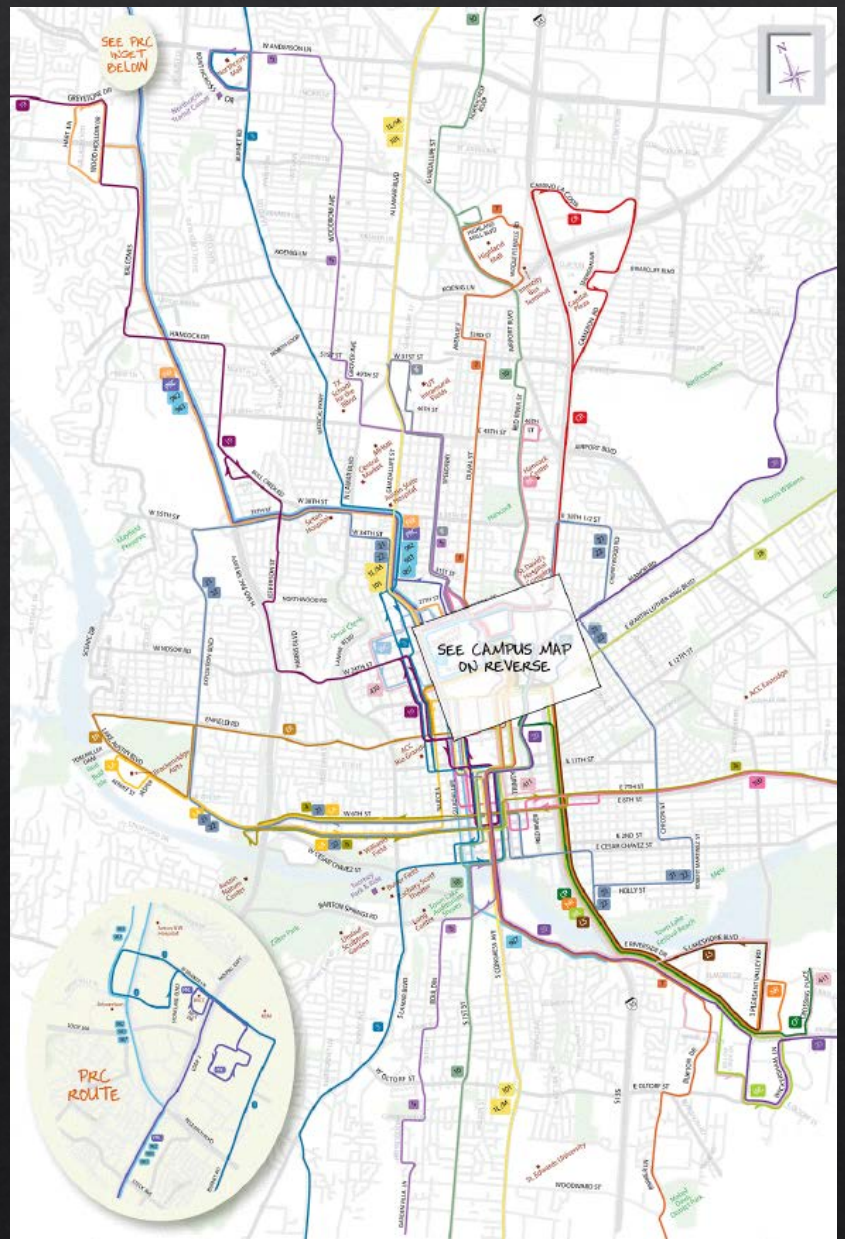
Mueller & Downtown



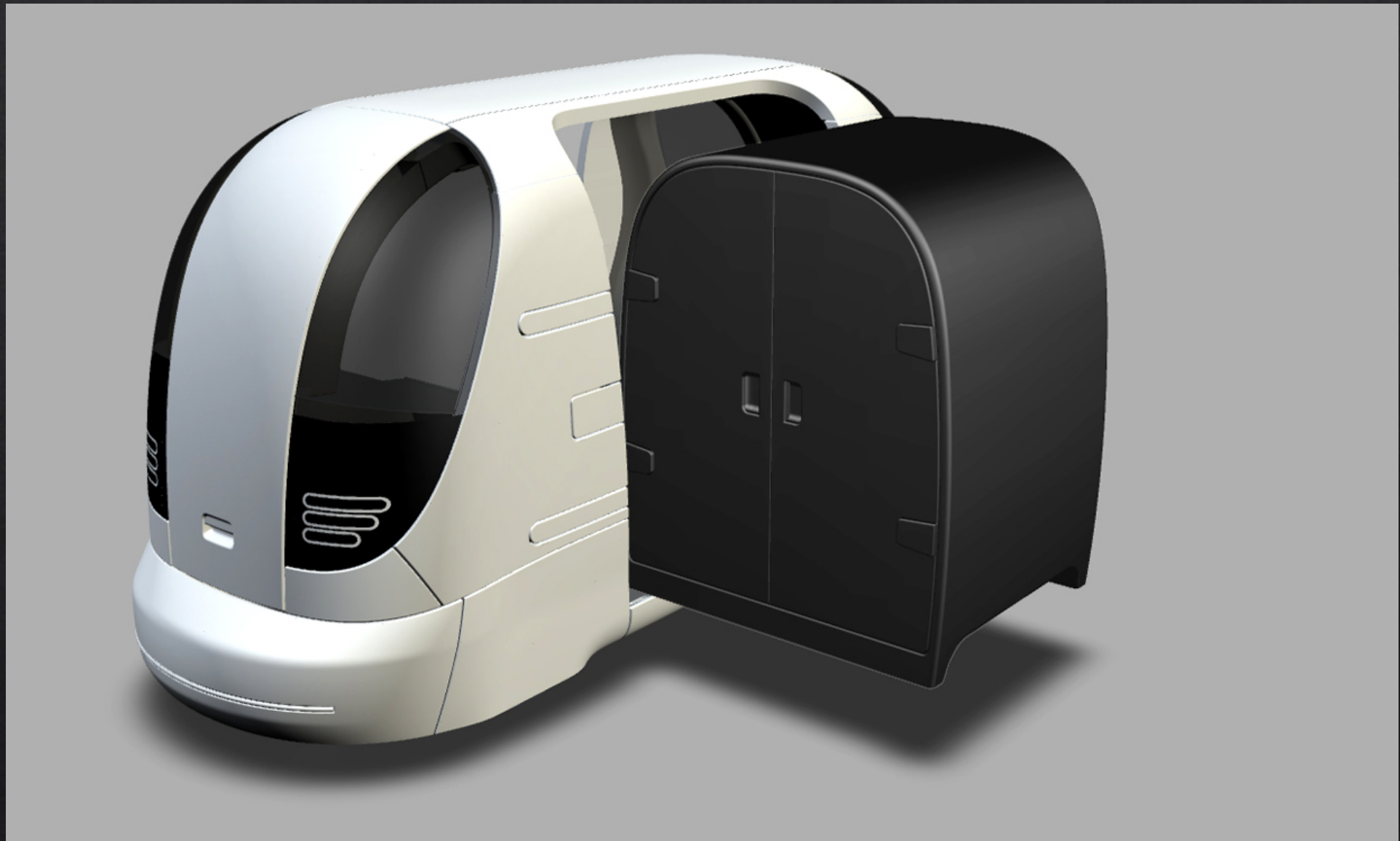
Metro Rail Extension



Airport Extension



Downtown Airline Check-in



UT Event Surge Studies

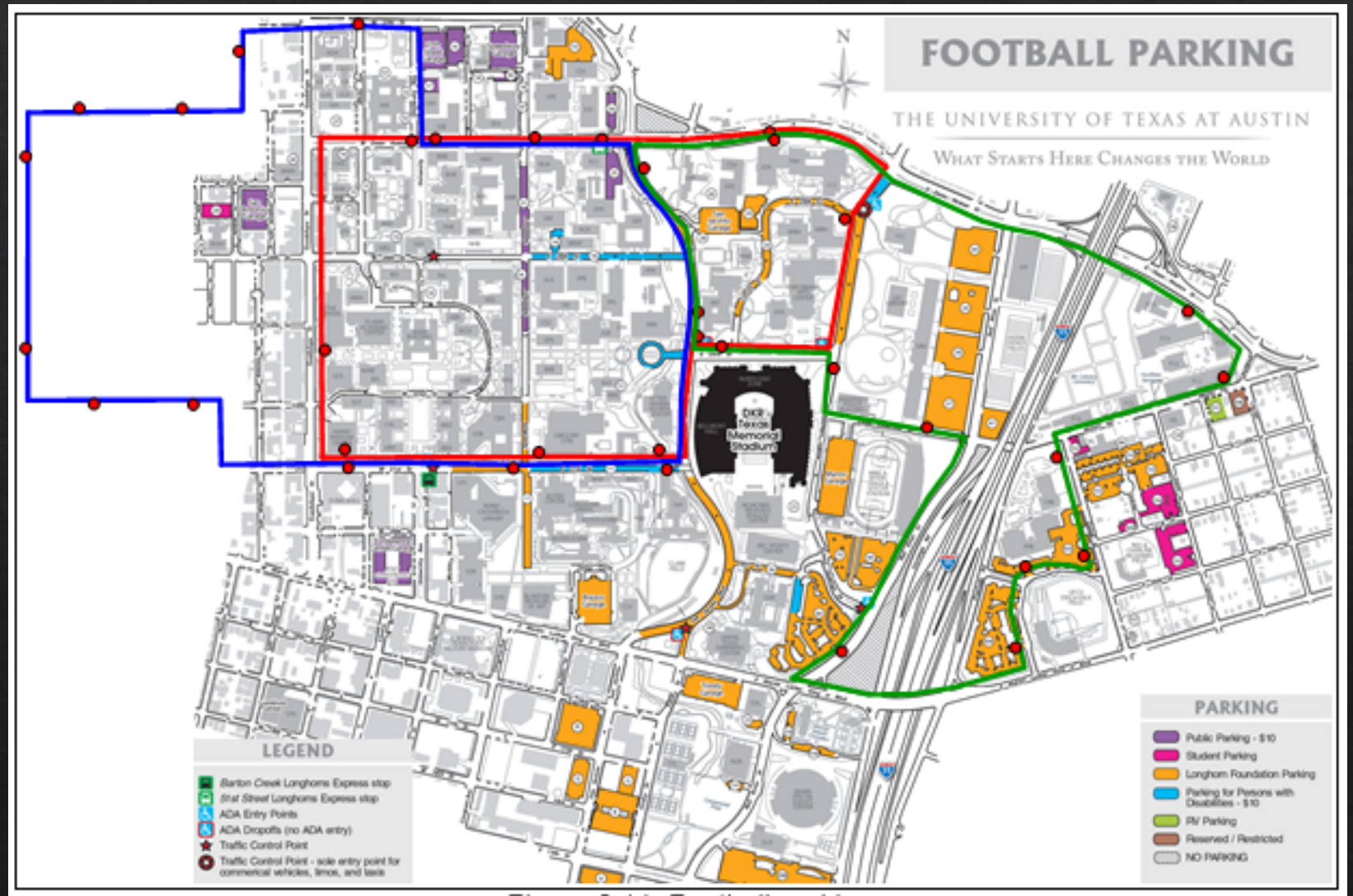


Figure 6.11: Football parking

Actual UT Ridership

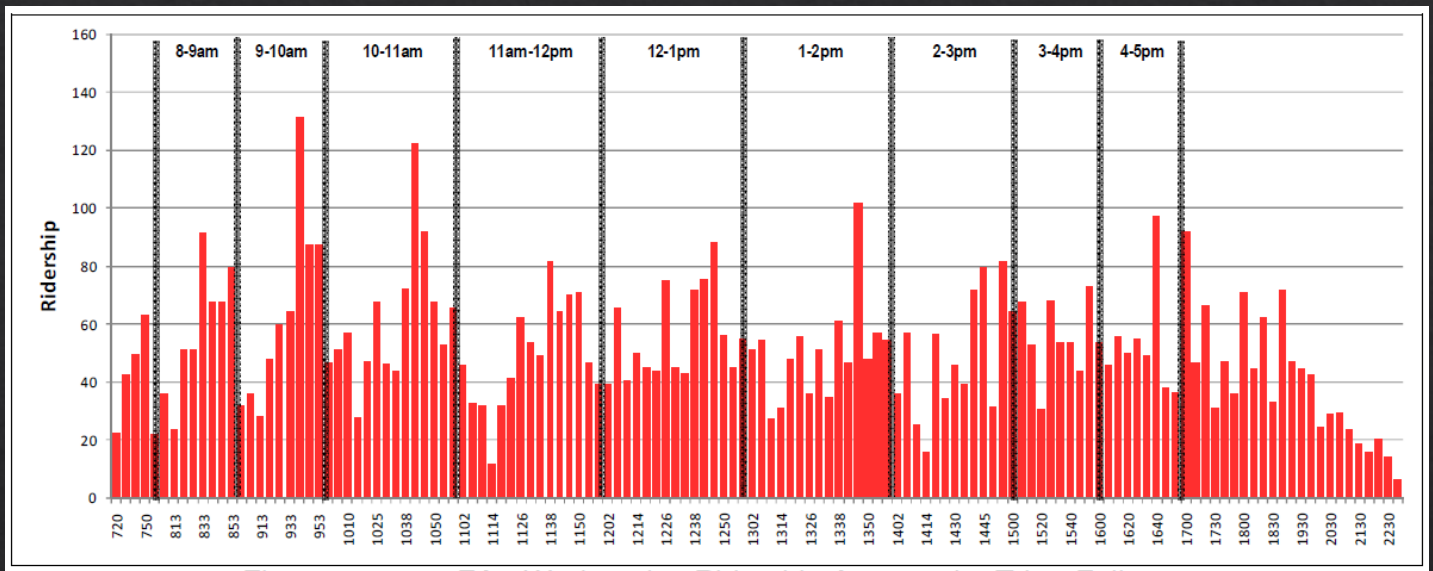


Figure 6.4: 640 FA - Wednesday Ridership Average by Trip - Fall 2008

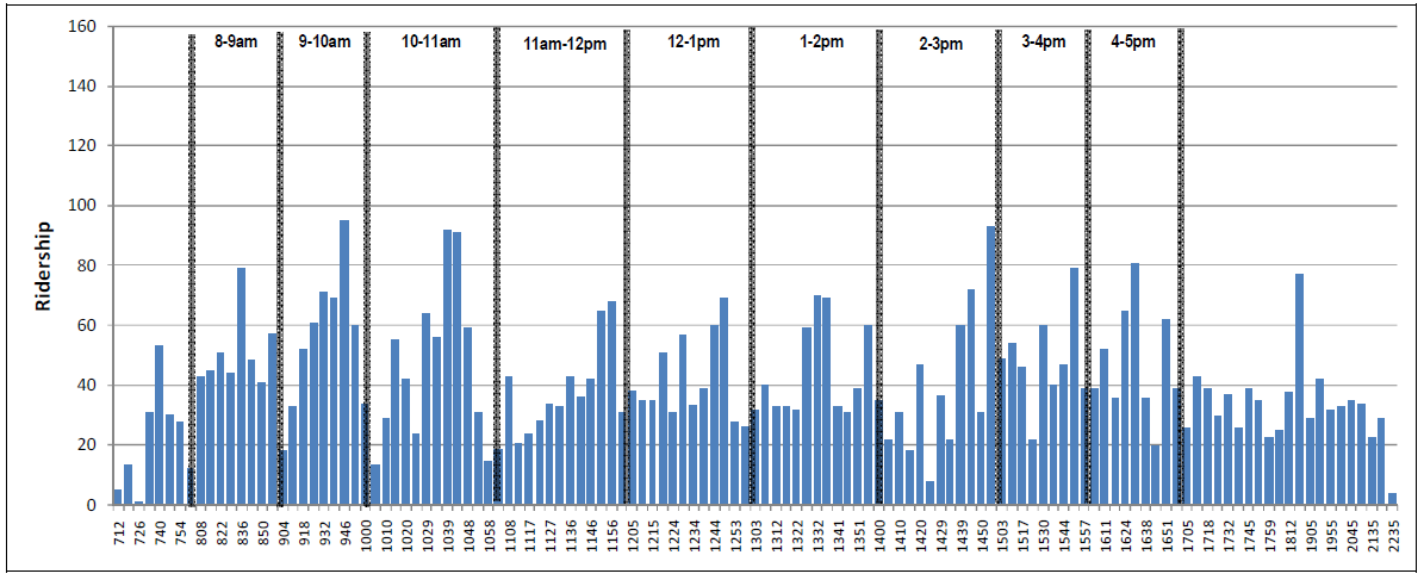
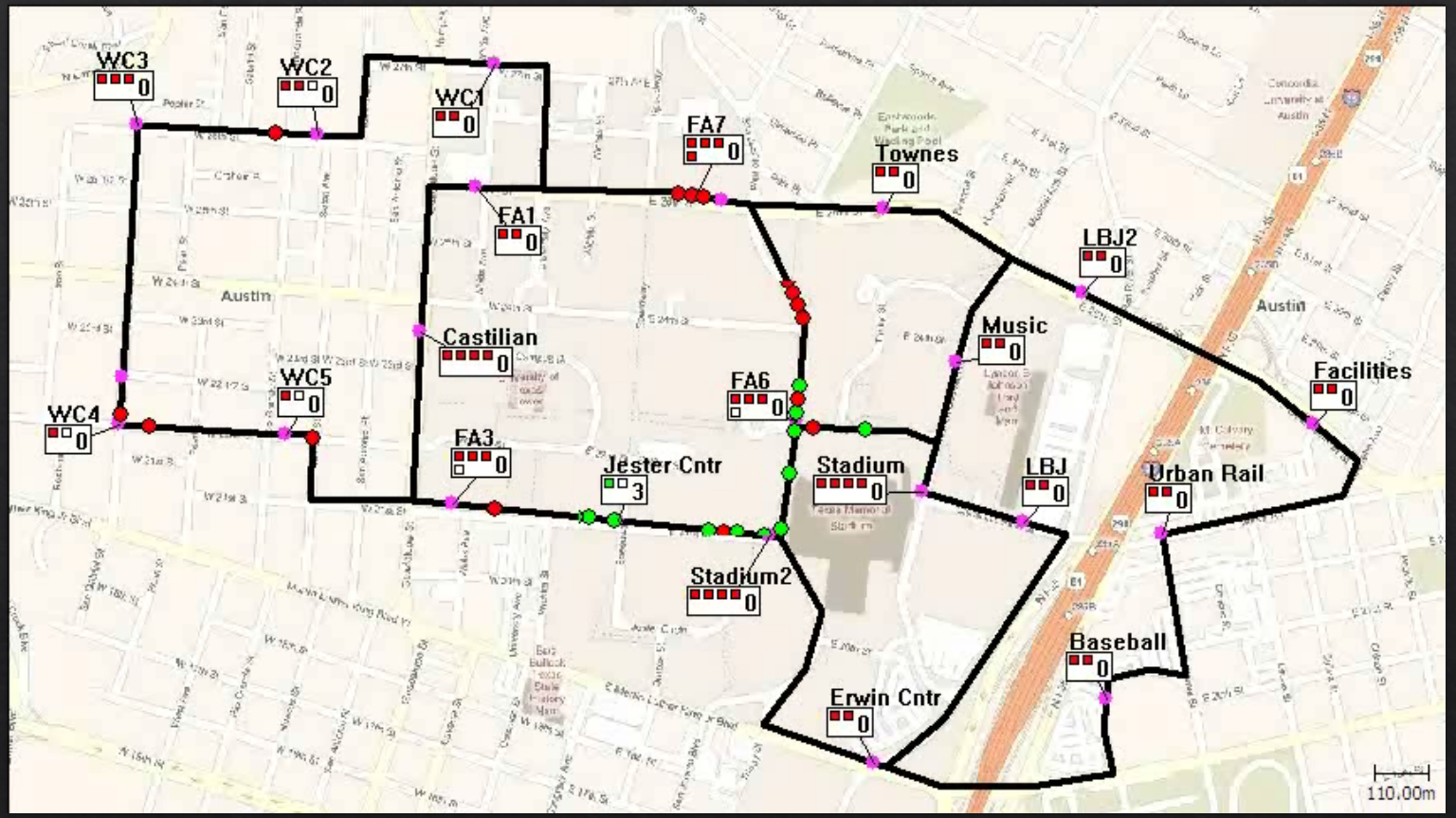


Figure 6.5: 642 WC – Wednesday Ridership Average by Trip - Fall 2008

UT Data - Ultra Sim



Pearl & 24th Before PRT

Pearl & 24th with PRT

Dean Keaton Before PRT

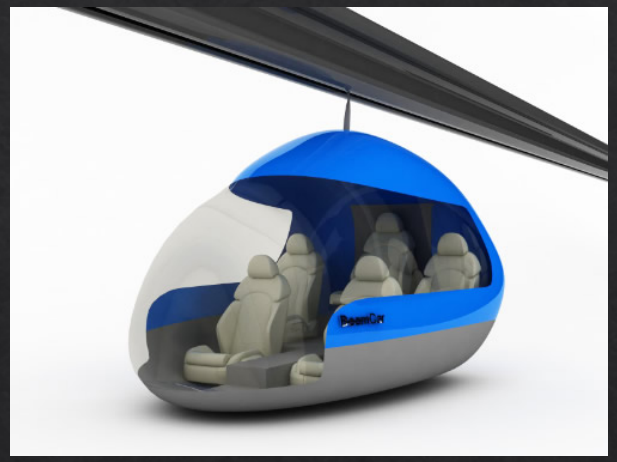
Dean Keaton with PRT

Easy I35 Underpass

Guideway Style

Maintenance Bay

Emerging PRT Developers



Operational NOW at Heathrow T5

PRT Benefits to Austin

- Increase Access while Reducing Traffic
  - For UT brings together campuses and housing areas
  - For Austin Connects CBD & New developments
  - Scalable to whole city
- Internet type effect of scale
  - Eventually replaces school busses
  - Downtown airport check-in
  - Malls & office buildings will want “in house” stops
- Green / Clean / Silent
- Dependable, Sustainable, Expandable Technology
  - Trains had 100 years – end of tech cycle
  - PRT will get faster & shorter headway times

PRT Now!

- Austin needs a solution that works NOW!
  - Austin transit solution LONG overdue, rail failure set back
- PRT is a “last mile solution” the larger the “web” the better
  - Mass Transit, School Transport, Trash, Secure Cars
- Start with UT Core, expand
  - JJ Pickle, Downtown, Mueller, Airport, Neighborhoods
- Privately Funded
  - Revenues: Ridership, Advertising, & Real Estate Appreciation
  - Locally built, rapid assembly, lift onto poles

My ask of CoA UTC

- We are offering to finance and build
  - We do NOT need taxpayer money!
  - We do NEED political support!
- What do you need from us to gain your support?
  - UT study is available
  - Consortium now aligning and can send LOI/LOS
  - Public outreach campaign in progress

USA
PRT

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