

Improving Customer Experience

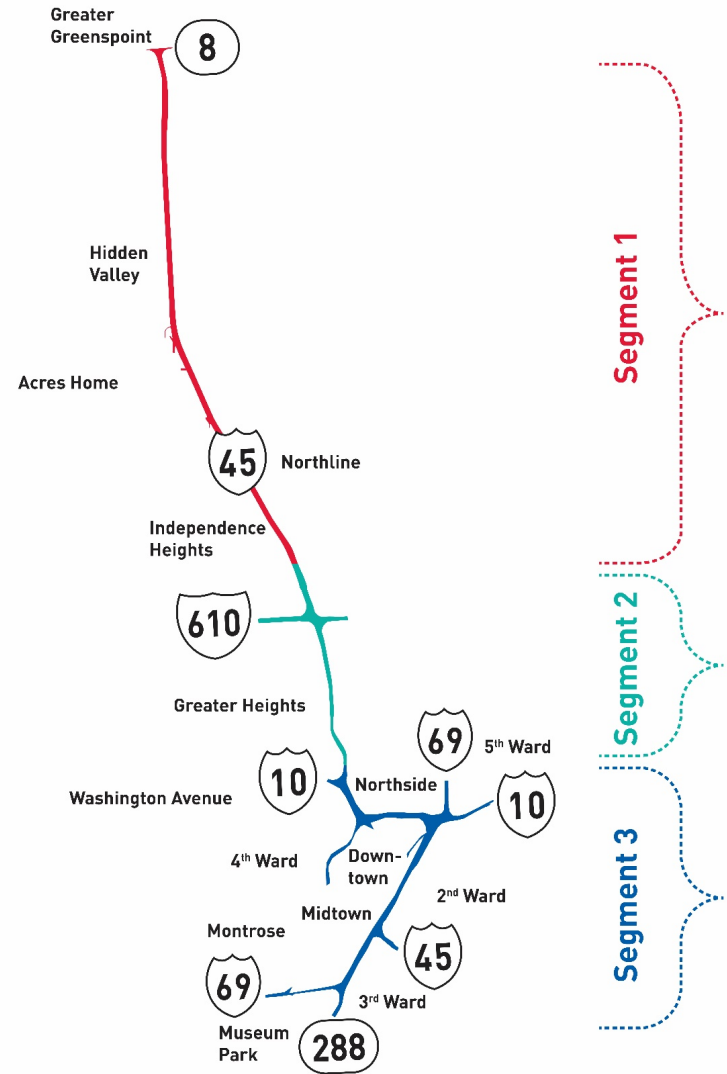
NORTH HOUSTON HIGHWAY IMPROVEMENT PROJECT (NHHIP)

Capital and Strategic Planning Committee

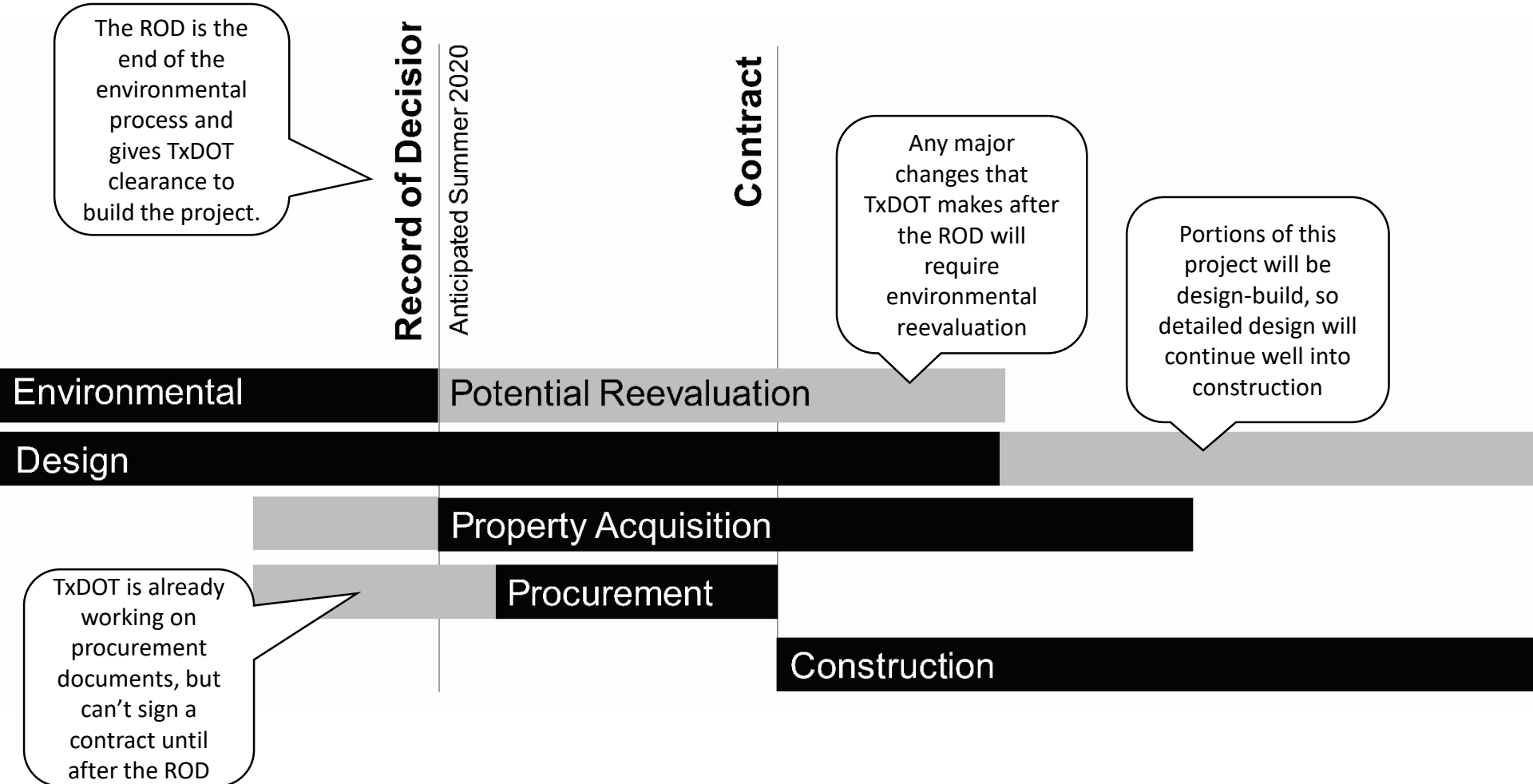
DECEMBER/2019

This is a regionally significant project

- \$7 plus billion TxDOT project
- Would rebuild 3 major highways:
- IH45 North Freeway BW8 to Downtown
- IH10 past downtown
- IH69 from Montrose to Downtown
- Adds managed lanes on IH45
- Completely realign all freeways around Downtown
- Construction 2021-2037



The project is approaching a critical milestone

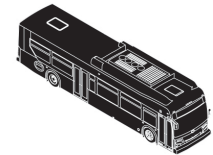


Why is NHHIP important to METRO?

- 7-8 year construction for Segment 3 alone, 10-15 years total
- Major changes to key routes
- Approximately 80% of ridership will be affected
- Construction detours and bus bridges may require additional buses beyond the current fleet
- Estimated operational impacts could exceed \$24 million annually
- Impacts to METRO riders/customers



Construction



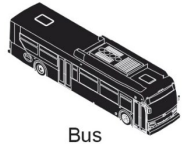
Ridership



Operational
Impacts

33% of METRO's local bus routes are impacted

Impacted



Phase



Short Term



Long Term

Rider Impacts



Reliability



Trip
Time



Bus Stop
Access



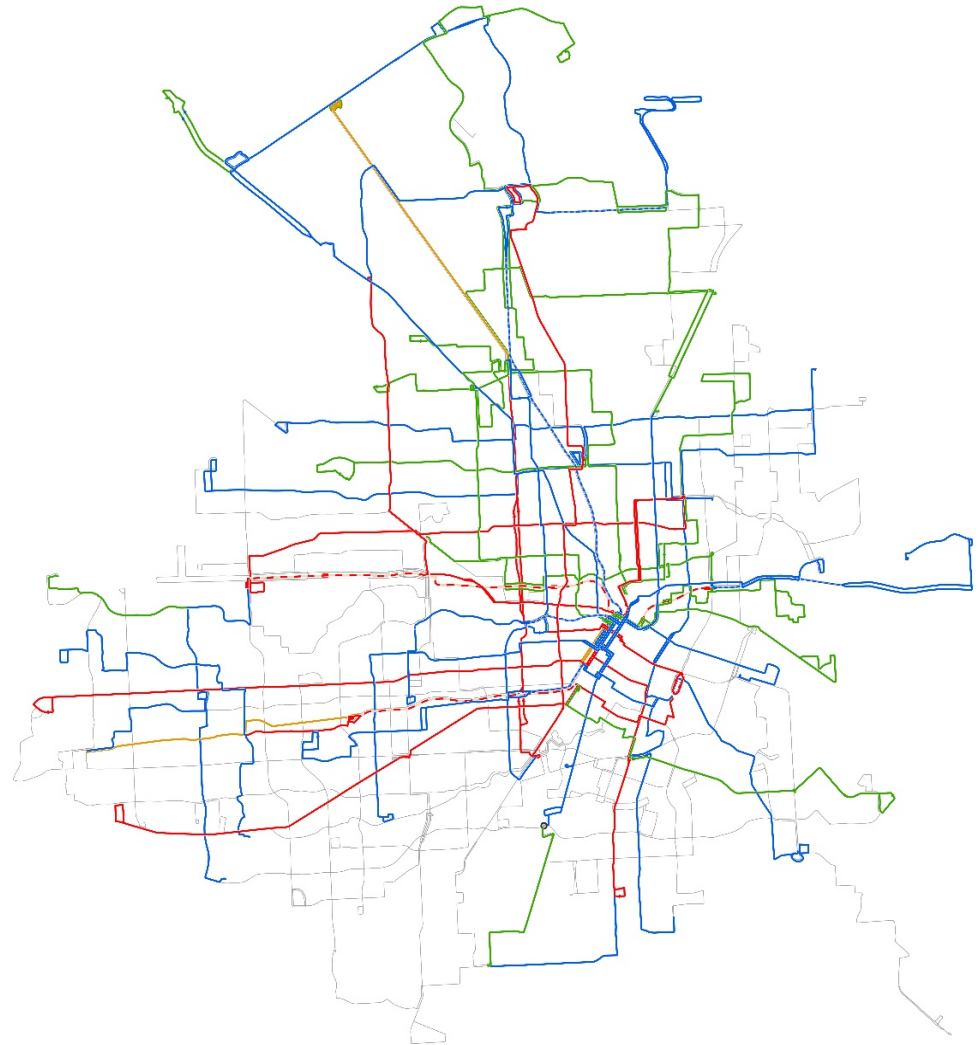
Availability
of Service

of Riders

108,219
riders/day

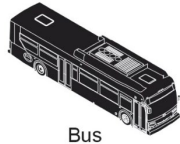
of routes

36/108 routes



Local Bus: 40/41 in EaDo

Impacted



Phase



Short Term



Long Term

Rider Impacts



Trip
Time



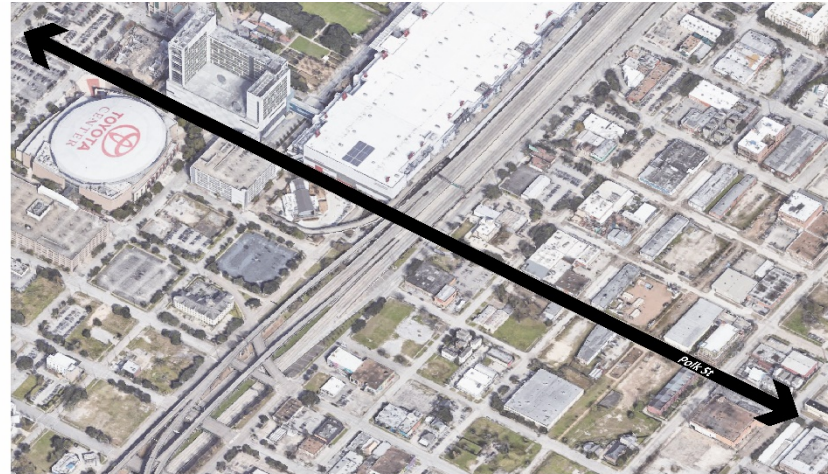
Bus Stop
Access

of Riders

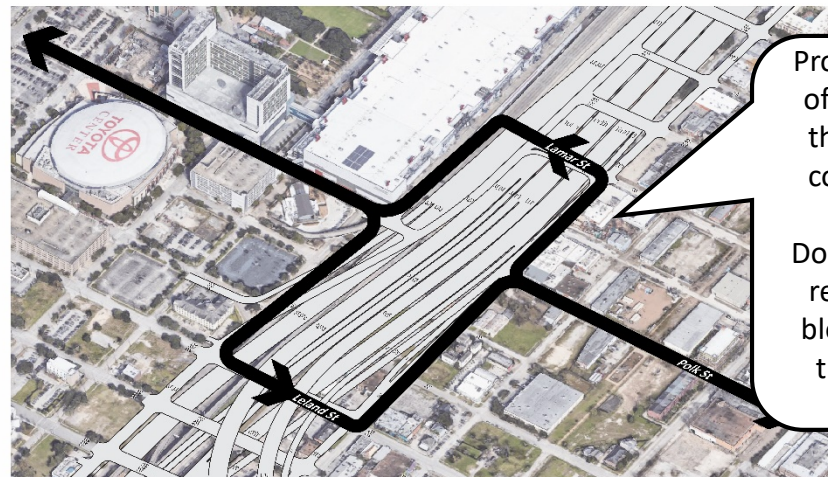
6,122 riders/day
(bus, van,
carpool)

of routes

3/5 HOV
corridors
2/83 routes



EXISTING

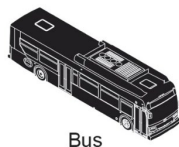


Proposed closure of Polk – one of the few streets connecting the East End of Downtown – may require up to 6 block detour for the **40** and **41** bus.

PROPOSED BY TXDOT

METRO's HOV/Park & Ride Corridors are impacted

Impacted



Phase



Short Term



Long Term

Rider Impacts



Reliability



Trip Time



Bus Stop Access

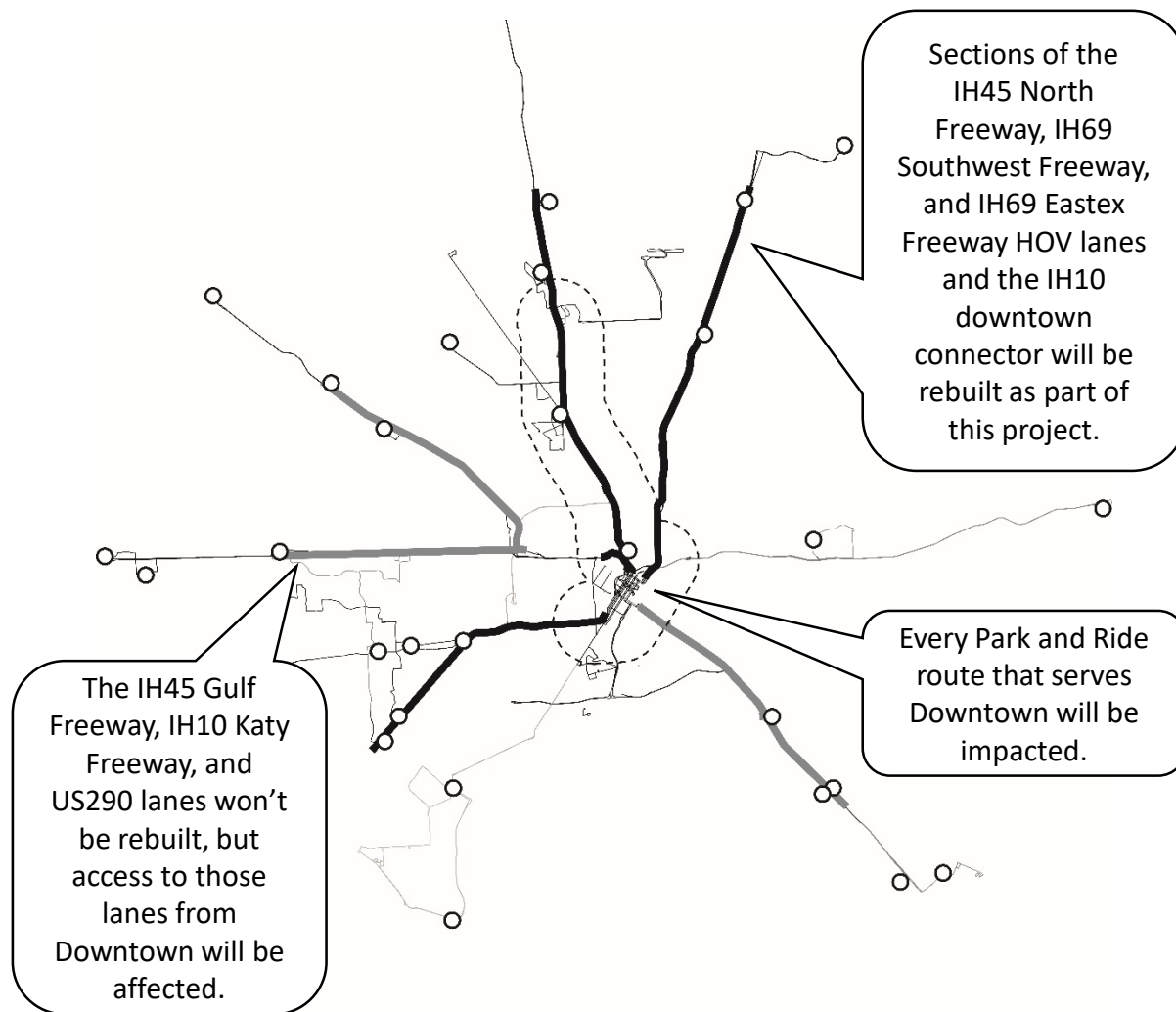


Availability of Service

of Riders # of routes

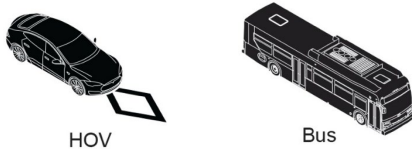
31,017 riders/day
(bus, van, carpool)

3/5 HOV corridors
28/32 routes



HOV: New connections for IH10 and IH45

Impacted



Phase



Short Term



Long Term

Rider Impacts



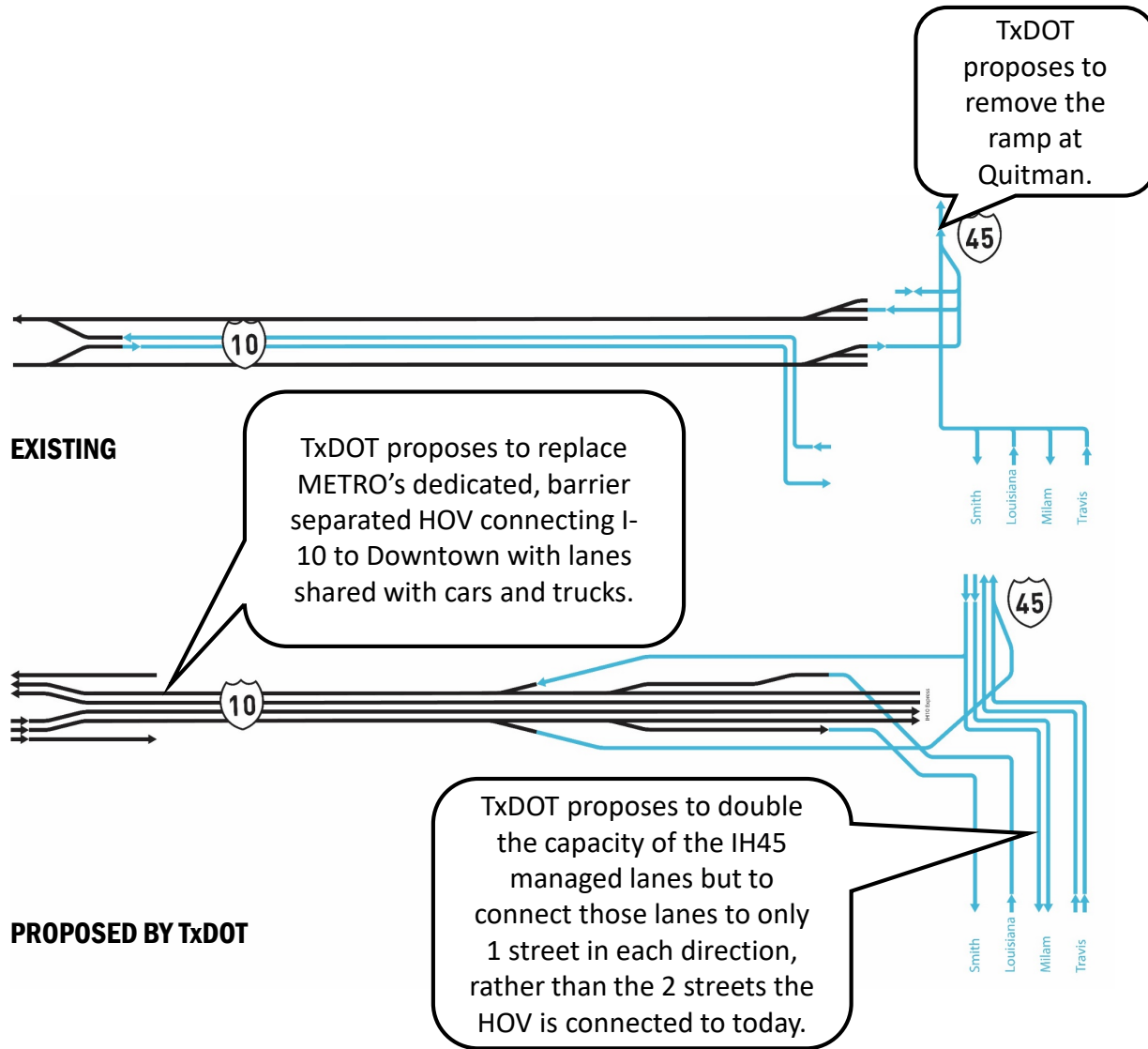
Reliability



Trip Time

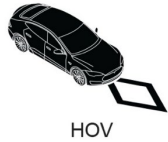


Availability of Service

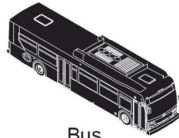


The project intersects METRO light rail in 7 places

Impacted



HOV



Bus

Phase



Short Term



Long Term

Rider Impacts



Reliability



Trip Time



Bus Stop Access



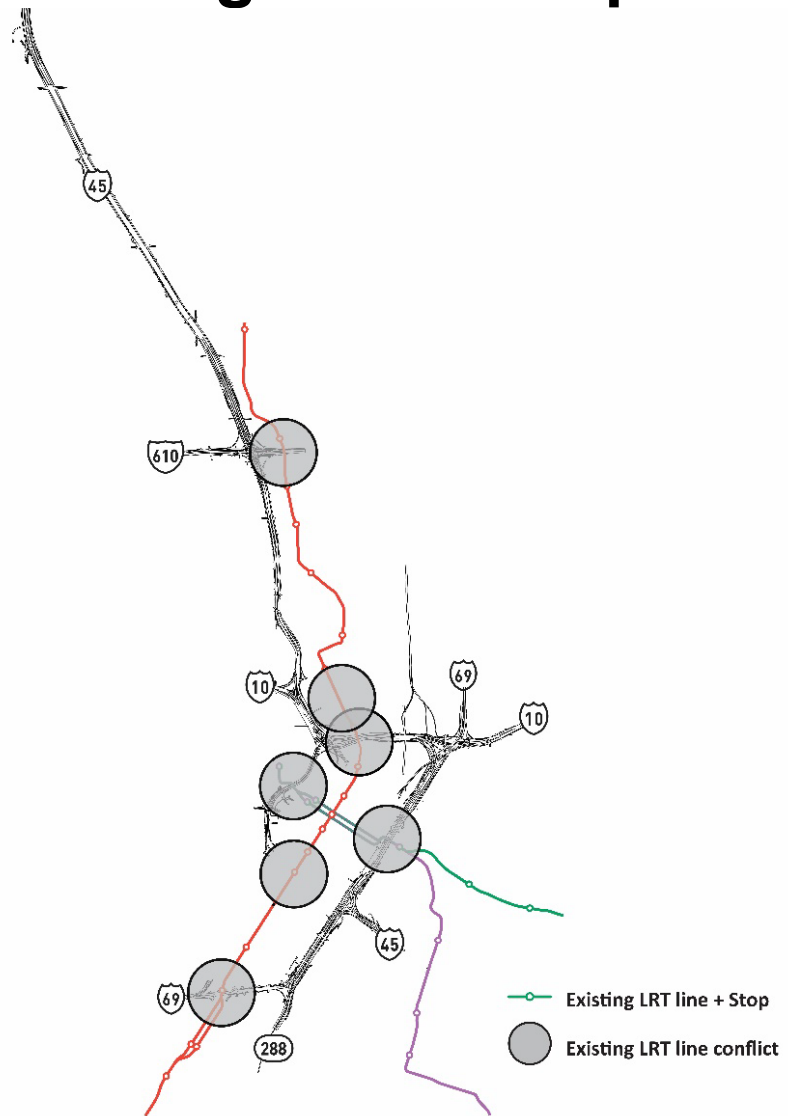
Availability of Service

of Riders

65,000
(100% of rail)

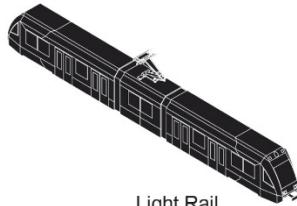
of routes

3/3 routes



Light Rail Green/Purple Line at EaDo

Impacted

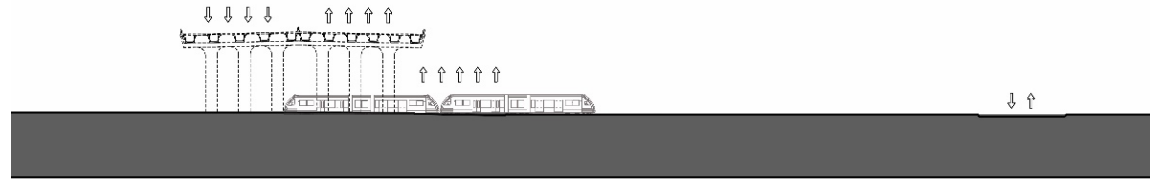


Light Rail

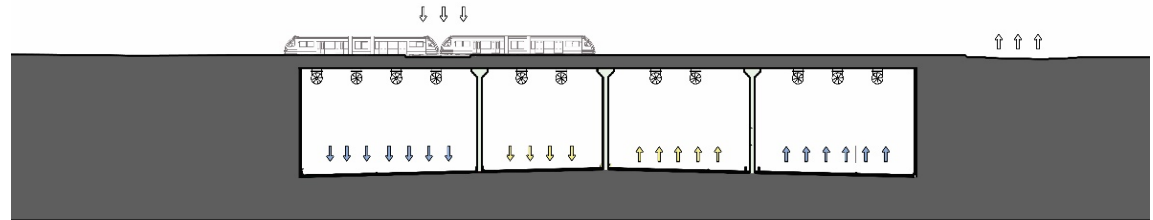
Phase



Short Term



EXISTING



PROPOSED BY TxDOT

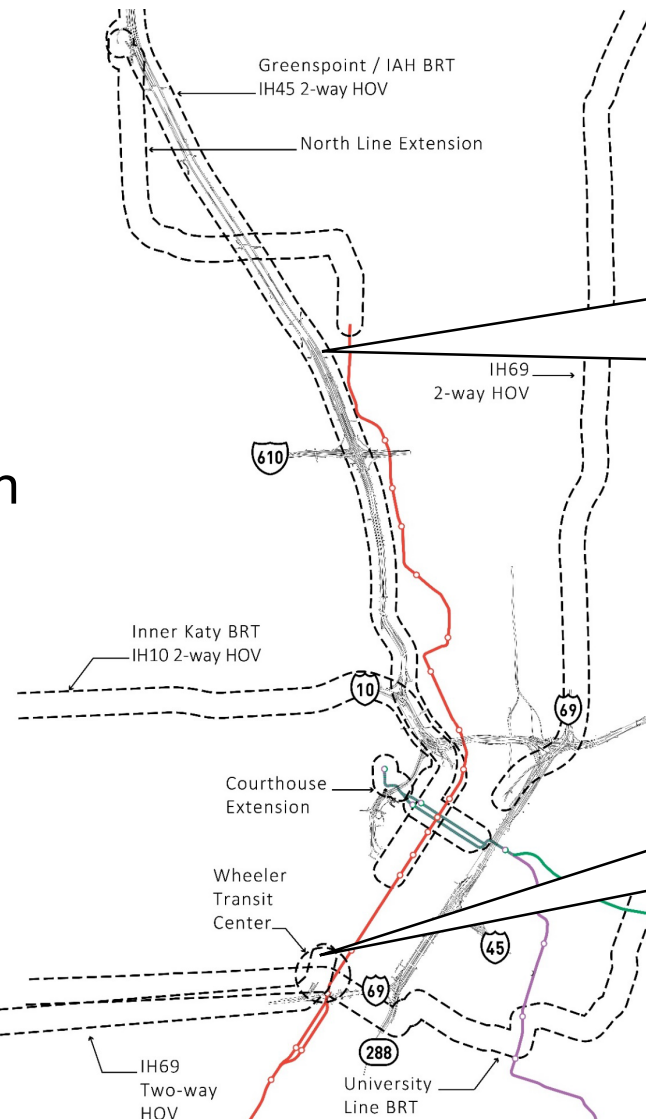
METRO has three goals...

- 1 Minimize impacts on riders.**
- 2 Minimize impacts on operations.**
- 3 Find ways to improve & expand transit.**

METRONext Projects

- IH45 IAH BRT
- Red Line/North Line extension
- Inner Katy BRT
- Green and Purple Lines/Courthouse extension
- University Line BRT
- 2-way HOV / regional express
 - IH45, IH10, IH69
- Downtown Improvements

The University Line crosses the proposed freeway twice.



The IH45 Gulf Freeway, IH10 Katy Freeway, and US290 lanes won't be rebuilt, but access to those lanes from Downtown will be affected.

Wheeler Transit Center would need to be rebuilt as part of the TxDOT project.

Other Stakeholders

