



City of Dallas

Update on Automated Transportation System (ATS) in the Valley View-Galleria Area

**Transportation and Infrastructure
Committee
December 7, 2021**

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Presentation Overview



1. Purpose
2. Background
3. NCTCOG's Dallas Midtown Automated Transportation System and Shared Parking Feasibility Study (2019)
4. Study Focus Areas and Current NCTCOG Efforts
5. Preliminary Recommendations
6. Next Steps
7. Discussions



1. Purpose



Brief the Transportation and Infrastructure Committee on:

- Dallas Midtown Automated Transportation System and Shared Parking Feasibility Study (September 2019)
- Update since September 2019 and upcoming next steps



2. Background



City of Dallas

- May 2013, by Ordinance No 29014: City Council authorized amendment of the City of Dallas Comprehensive Plan by adopting the Valley View-Galleria Area Plan
- June 2013, by Ordinance 29032: City Council authorized establishment of the Valley View-Galleria Special Purpose Zoning District and changed the zoning classification of approximately 445 acres of property to the Valley View-Galleria Special Purpose Zoning District (PD 887)
- May 2014, by Ordinance 29340: City Council authorized the designation of Tax Increment Reinvestment Zone Number 20 (Mall Area Redevelopment TIF District)
- June 2015, by Ordinance 29771: City Council authorized the Mall Area Redevelopment TIF District Project Plan and Reinvestment Zone Financing Plan
- 2021: City has embarked on a collective strategic planning process (led by Suzanne Smith with Social Impact Architects) to coordinate implementation of several key public pieces (park, school, ATS, etc.), re-engage with stakeholders, and re-position the Valley View-Galleria area (sometimes called Midtown) as Texas' first International District



2. Background



North Central Texas Council of Governments (NCTCOG)

- April 2014 and April 2019: The Regional Transportation Council (RTC) authorized the programming of Surface Transportation Block Grant Program funds to support a people-mover test track, also known as an automated transportation system
- May 2014 and November 2020: The NCTCOG Executive Board authorized the receipt of Surface Transportation Block Grant Program funds for a people-mover test track, also known as an automated transportation system
- 2016: NCTCOG's Last Mile Transit Connections Study
- 2019: NCTCOG's Dallas Midtown Automated Transportation System and Shared Parking Feasibility Study (more details follow on Slides 6-11)



3. NCTCOG Study



Study objective is to support a reliable self-operating, internal circulating system covering:

- Parking and transportation demand
- ATS route alignment and stations
- ATS vehicle types
- Pedestrian and placemaking integration
- Unified management
- Blended build out



3. NCTCOG Study



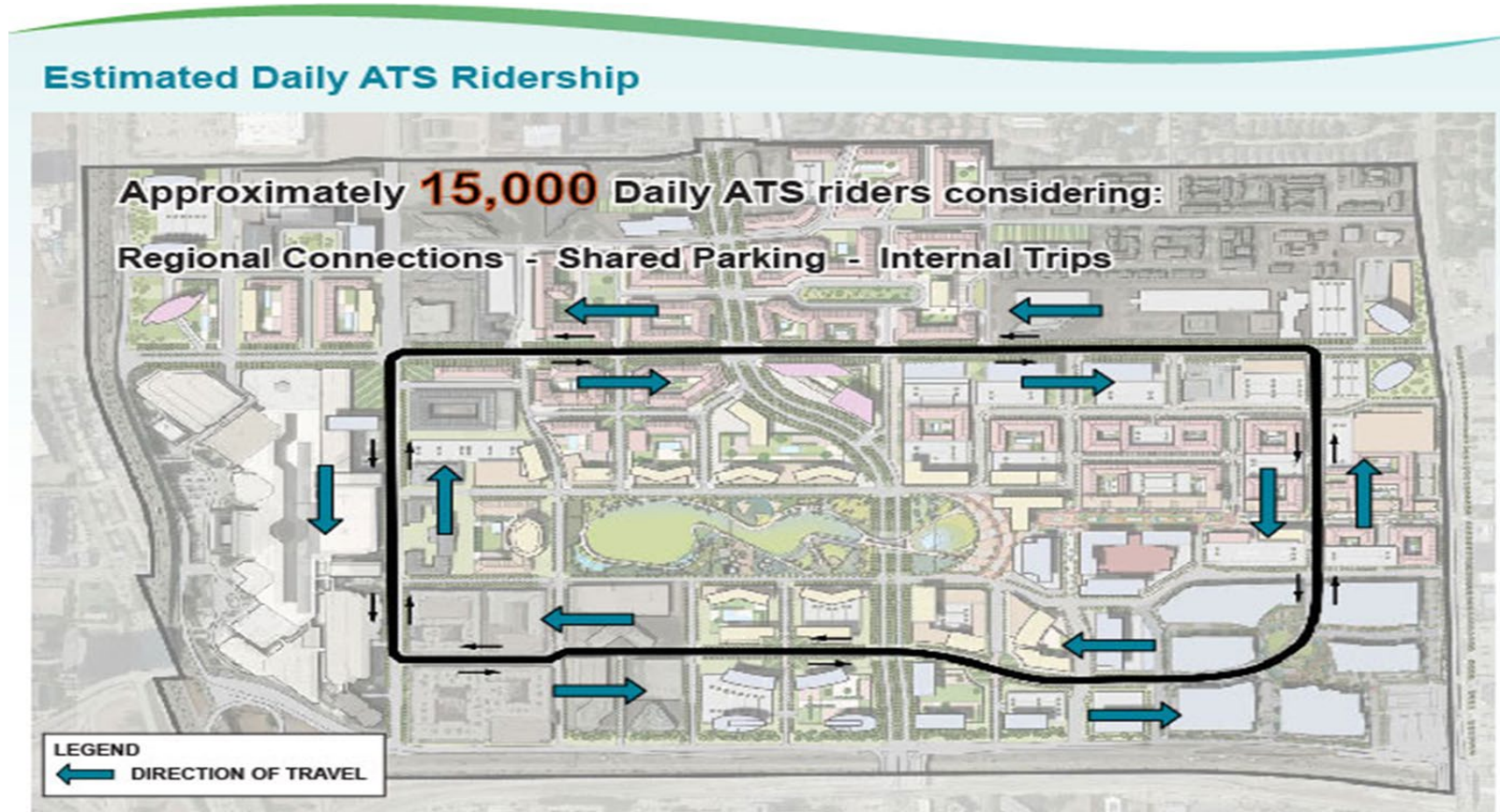
Study noted challenges including:

- Administrative/Regulatory changes
- Traditional financing
- Travel demand forecasting
- Organization of management agency
- Shared parking
- Thoroughfare amendments



4. Study Focus Areas

Recommended Alignment and Connections



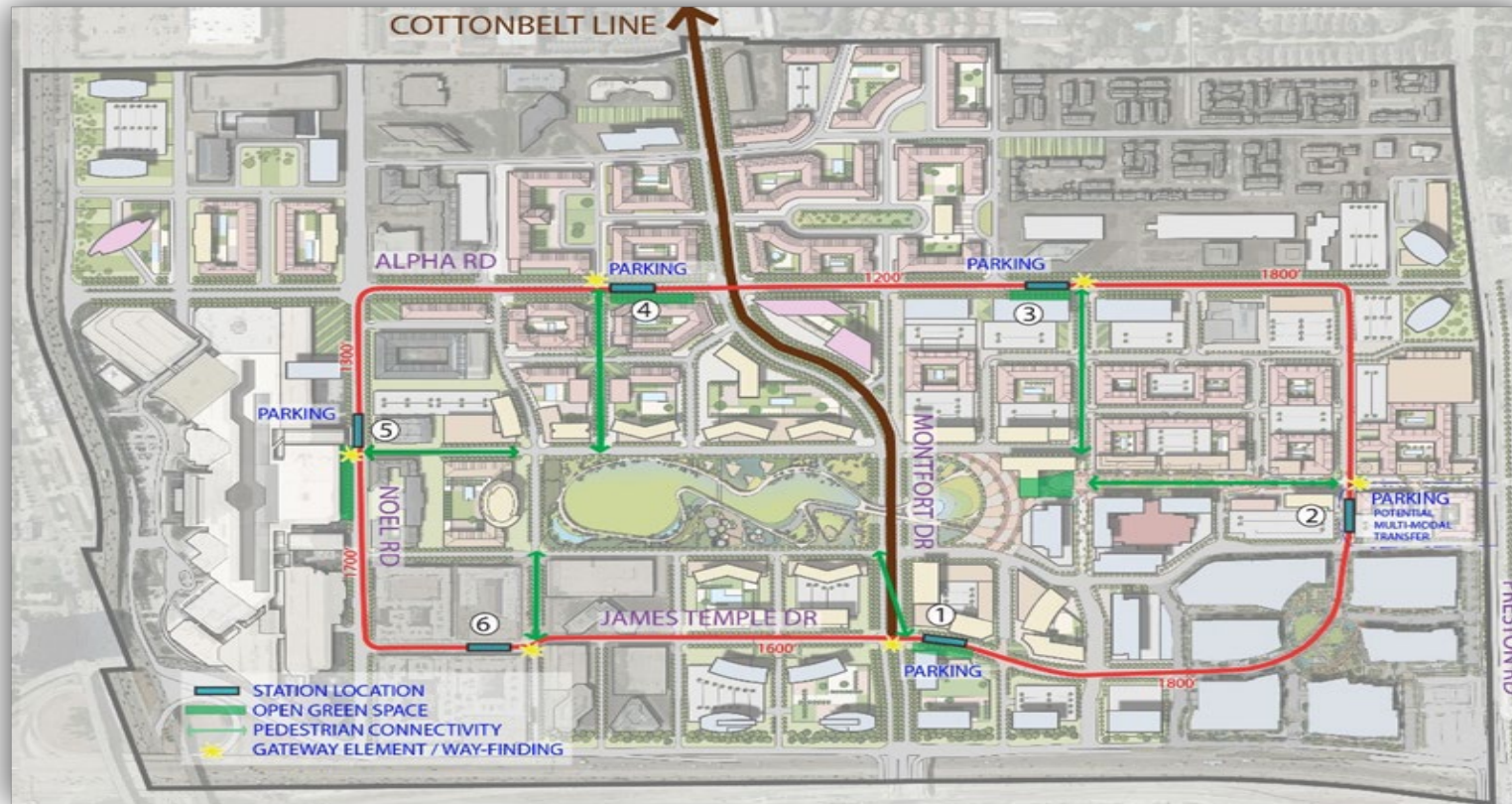
<https://www.nctcog.org/nctcg/media/Transportation/DocsMaps/Dallas-Midtown-ATS-ES.pdf>



4. Study Focus Areas



Recommended ATS Station Locations



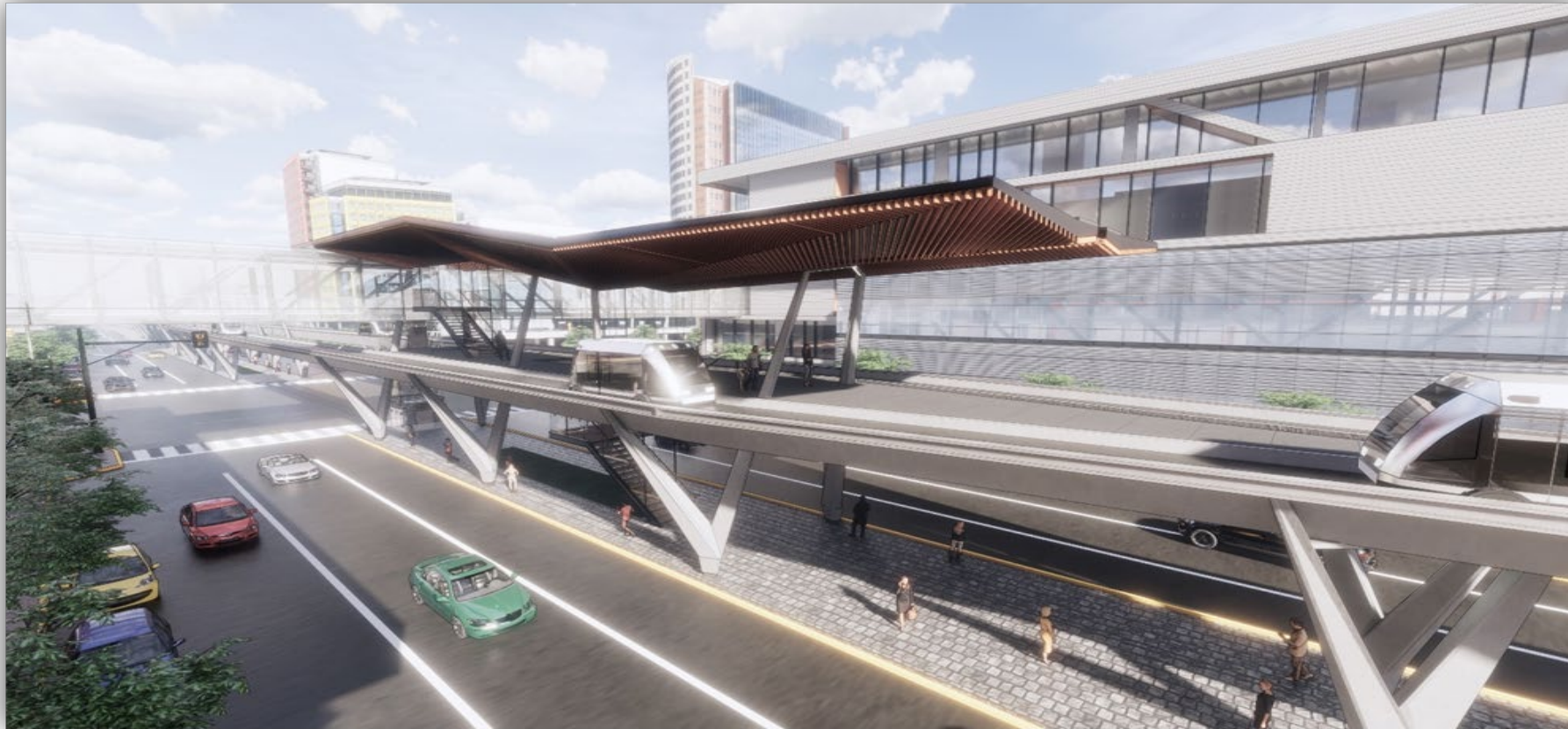
<https://www.nctcog.org/nctcg/media/Transportation/DocsMaps/Dallas-Midtown-ATS-ES.pdf>



4. Study Focus Areas



ATS Station Concept



<https://www.nctcog.org/nctcg/media/Transportation/DocsMaps/Dallas-Midtown-ATS-ES.pdf>



4. Study Focus Areas



System Technology Alternatives

- Evaluation of ridership demand, operational feasibility and costs
- Criteria evaluation covers performance, level of service, impact, cost, and technology



<https://www.nctcog.org/nctcg/media/Transportation/DocsMaps/Dallas-Midtown-ATS-ES.pdf>



4. Current NCTCOG Efforts



- November 2020: The RTC authorized \$10 million in funds for implementation of ATS pilot in Dallas Midtown area (possible future implementation after completion of the ATS Guidelines Study described below)
 - \$2 million Engineering
 - \$8 million Construction
- April 2021: NCTCOG Executive Board authorized \$850,000 consultant contract with Lea+Elliott, Inc. to develop performance guidelines for an automated transportation system (ATS Guidelines Study) to:
 - Evaluate next-generation ATS vehicle technology
 - passengers
 - freight
 - Develop standards/guidelines for modular infrastructure
 - Evaluate wireless inductive charging technologies
 - Study is scheduled to be substantially complete by October 2022



5. Preliminary Recommendations



A) Overall themes in proposed Council Resolution:

- Adopts 2019 Dallas Midtown Automated Transportation System and Shared Parking Feasibility Study as a reference and guide
- Recommends investigation of a parking management system
- Recommends investigation of thoroughfare amendments to accommodate alternative design
- Recommends investigation of shared parking via zoning



5. Preliminary Recommendations



B) Continued internal coordination among City departments:

- Public Works - Montfort Drive complete street project construction
- Dallas Water Utilities - water/sewer infrastructure improvements
- Transportation - signals, crosswalks, and streetlight improvements
- Planning & Urban Design - special authorized hearing process to amend PD 887
- Development Services – plan review/permitting of current development
- Housing – facilitation of possible PFC and/or LIHTC development
- Economic Development – administration of TIF District; overall coordination of plan implementation; facilitation of development
- Parks – management of park property (The Prism); administration of open space fund
- Arts & Culture – near-term utilization of The Prism
- City Manager's Office/Mayor's Office/Government Affairs/Communication, Outreach & Marketing



5. Preliminary Recommendations



C) Continued coordination with external partners:

- NCTCOG (ATS initiative/study/pilot ATS project)
- Property owners/developers
- DISD
- DART
- North Dallas Chamber of Commerce



6. Next Steps



- January 2022: City Council will be asked to consider adoption of the 2019 Dallas Midtown Automated Transportation System and Shared Parking Feasibility Study
- Continue working with NCTCOG and their consultant on the ATS Guidelines Study
- Continue working with internal and external stakeholders



7. Discussion/Feedback



- General questions/comments/feedback





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