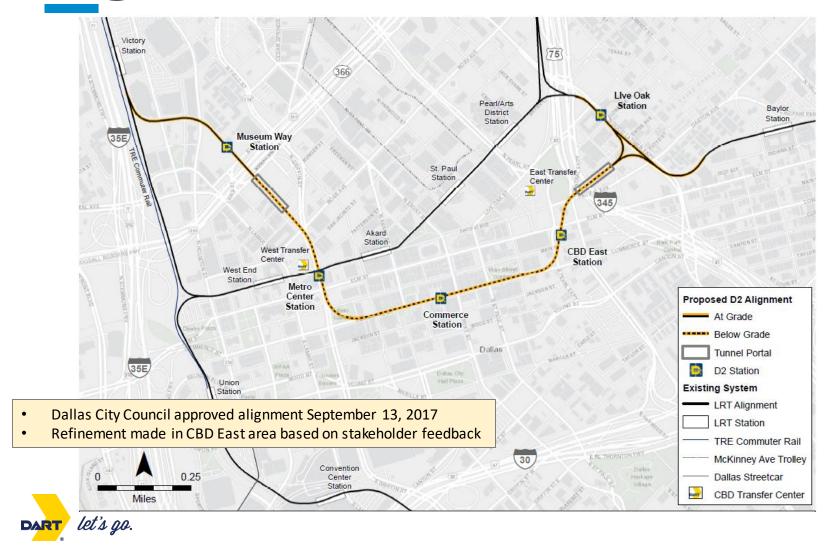


Agenda

- D2 Subway Background
- Federal Process
- Project Overview
- Key Issues and Opportunities
- Schedule



D2 Subway Alignment and Stations



Project Purpose

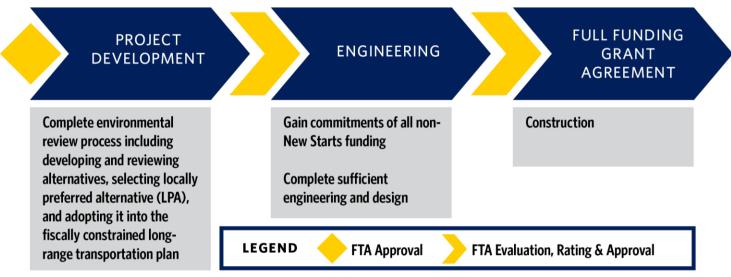
- Add Core Capacity to and through downtown
 - Some trains will be at capacity within a few years
- Provide Operational Flexibility for the system
 - Continuity of service during incidents
 - System expansion/added service
- Enhance Mobility and Access for existing and future riders
 - Get our riders where they need to go
- Enhance Economic Development
 - Add value through context sensitive design





FTA Capital Investment Grant Process

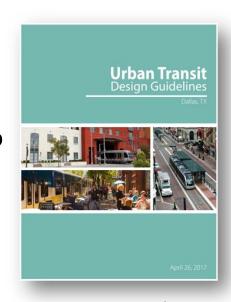
- Project Development is the first phase of the federal funding process.
- DART is doing Project Development locally and will request entry into Engineering after this phase is complete.
- D2 received MEDIUM-HIGH ratings in 2015, 2016, and 2017.





Project Status

- 10% Preliminary Engineering (PE) is complete.
- Supplemental Draft Environmental Impact Statement (SDEIS) is in development to update 2010 document.
- DART is advancing design to 20% level by March 2020 to support SDEIS:
 - Coordination with City staff and TxDOT ongoing
 - Supportive urban design plans
- Final EIS will incorporate 30% design to complete FTA
 Project Development phase.
- Service Plan approvals will require public hearing and would occur concurrent with Final EIS by Fall 2020.

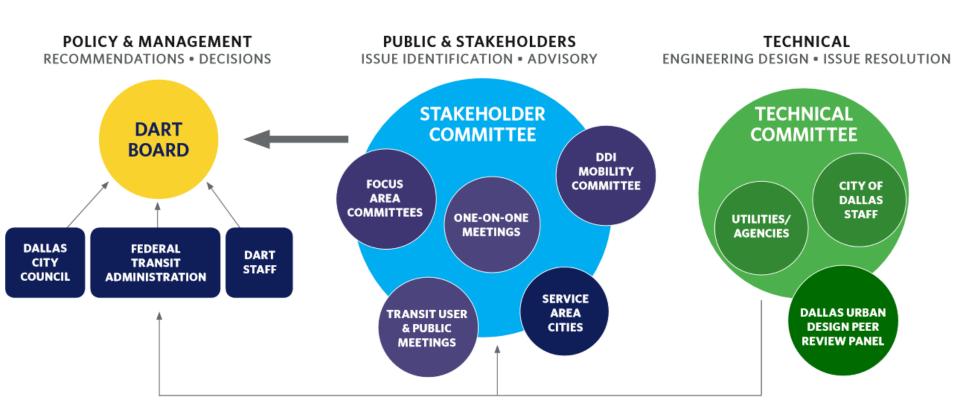


City Council approved Guidelines



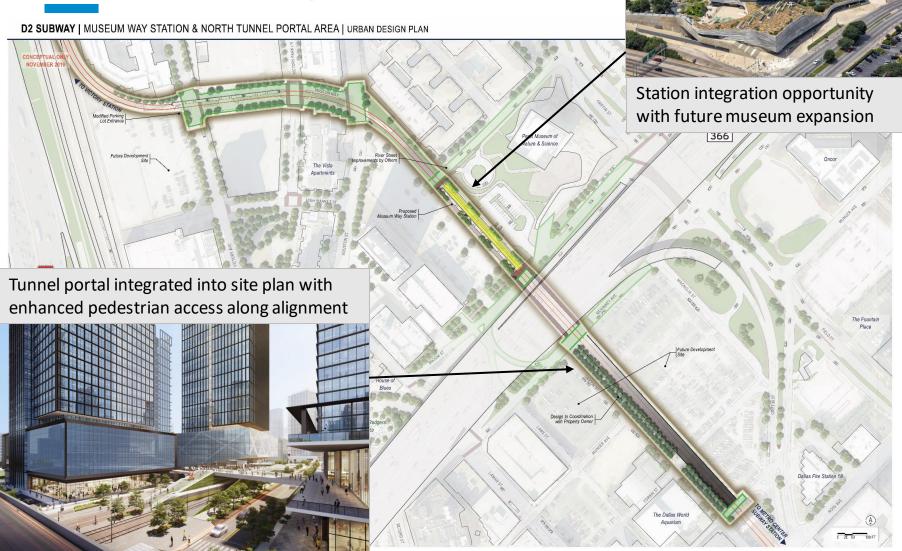


Public and Agency Involvement Framework





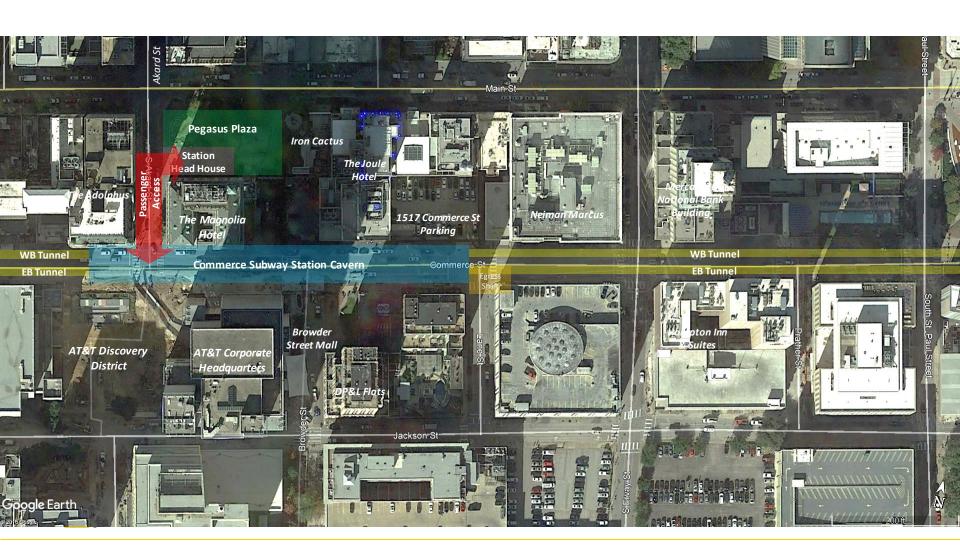
Museum Way Station Urban Design Plan



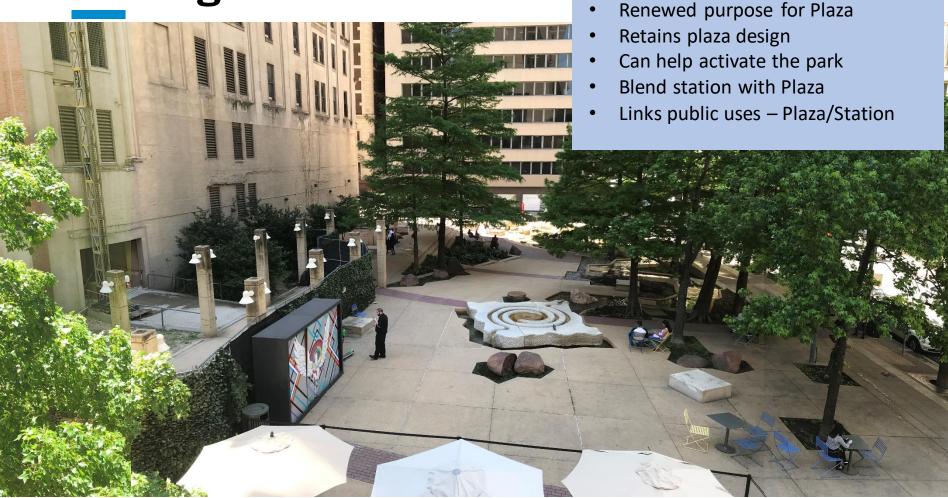
Source: DKW Partners

Commerce Station Headhouse

Proposed approach to avoid Cut-and-Cover along Commerce Street



Pegasus Plaza Existing Condition

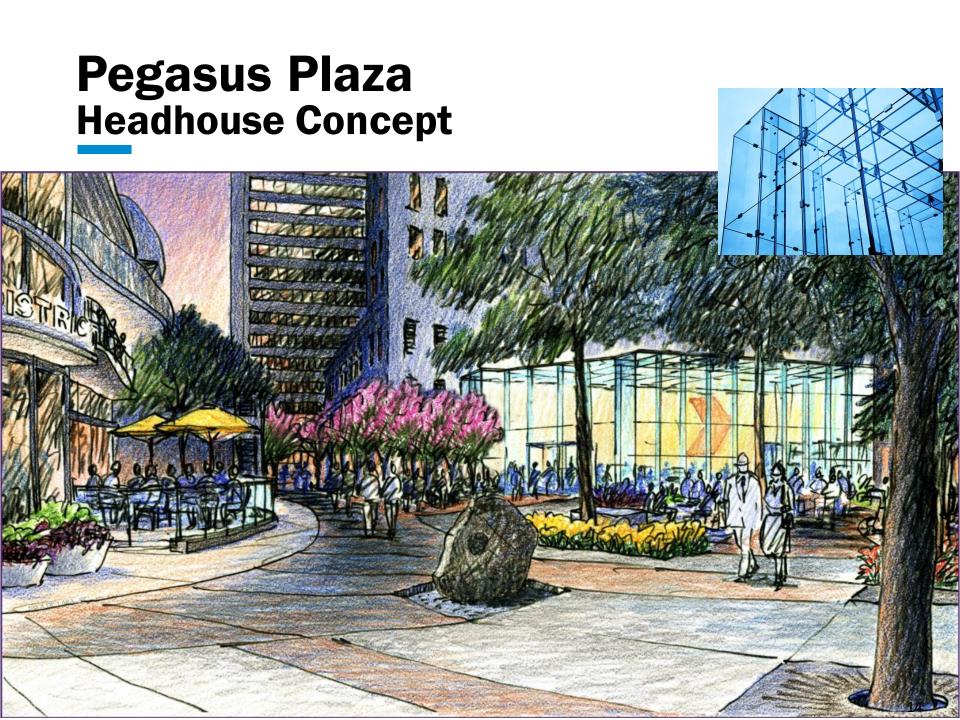




Opportunities

Arrival portal to heart of downtown

First Dallas experience for visitors

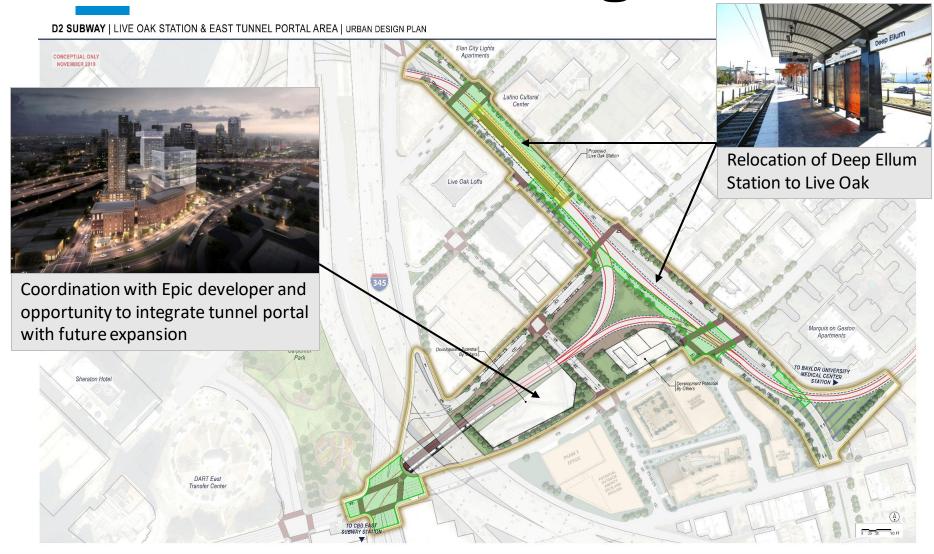


Park and Recreation Board Considerations

- Park and Recreation Board briefed by DART on September 5, 2019.
- Park and Recreation Board approved resolution on September 19, 2019 to advance concept of integrated station headhouse with re-imagined plaza.
- Small stakeholder group meeting will be held in late January to begin to discuss future vision and framework for reimagined plaza.
- DART will return to Park and Recreation Board in spring with refined concept and approvals/agreements needed as part of environmental process.



East Portal Urban Design Plan



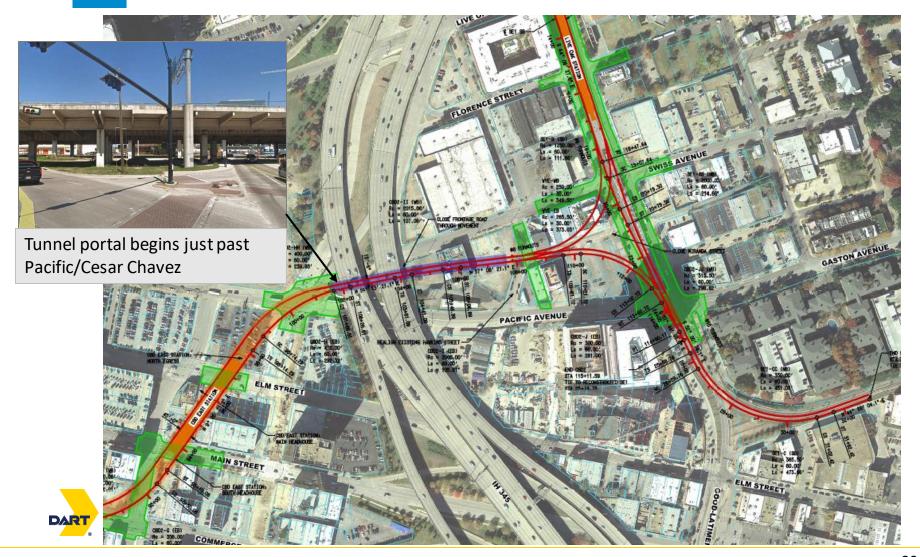


FTA TOD Planning Grant Opportunity

- DART and the City of Dallas jointly applied for comprehensive transitoriented development (TOD) planning grant along D2 Subway Corridor.
 - Anticipated 2 year effort as sub-plan concurrent with city's comprehensive plan update.
- TOD plan would support economic development, ridership, multimodal connectivity and accessibility, increased transit access for pedestrian and bicycle traffic, and mixed-use development near transit stations.
 - Encourages identification of infrastructure needs and engagement with the private sector.
 - Opportunity to identify future city bond program needs.



D2 Subway Alignment LPA with portal under IH 345



Path Forward for D2/I-345

- TxDOT plans to generate a range of conceptual alternatives from now through May/June based on public input.
- DART and TxDOT will meet monthly during this timeframe to discuss project coordination.
- A preliminary depressed I-345 concept will be available for discussion in late January 2020.
- Process may identify possible additional funding or infrastructure support from the City of Dallas and/or NCTCOG that would be required to advance a coordinated design or to modify the D2 profile.
- DART will continue to advance the D2 Subway project as planned concurrent with the TxDOT effort.





Key Milestones for FTA Schedule

Activity	Date
Preliminary notice of Request to Enter Engineering	February 2020
- Initiate Readiness Documents/Letter of No Prejudice	
20 percent design	March 2020
Draft Supplemental Environmental Impact Statement	March 2020
Complete SDEIS Public and Agency Review Period	June 2020
30 percent design/FTA Core Capacity Submittal/Six	August 2020
month notice to Request to Enter Engineering	
Final Environmental Impact Statement/Record of	August/Sept 2020
Decision (FEIS/ROD)	
Entry into Engineering	Late 2020/
- FTA Review/Rating	Early 2021
- Readiness documents review complete	•



Next Steps and Future Briefings

- Complete 20% PE design and Supplemental Draft EIS and publish for public and agency review.
- Continue to work with City, TxDOT, and NCTCOG on I-345 integrated design.
- Continue to work with City Park Department and Board on integrated concept for Pegasus Plaza vision and related process requirements.
- Coordinate with City on anticipated eminent domain needs.
- Future City Council committee briefings in Spring 2020:
 - Station architecture
 - Construction methods

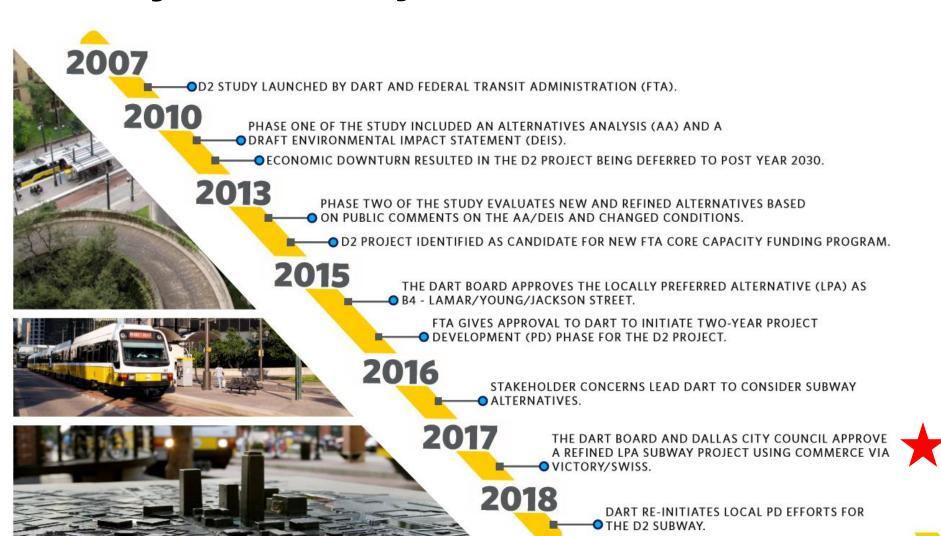






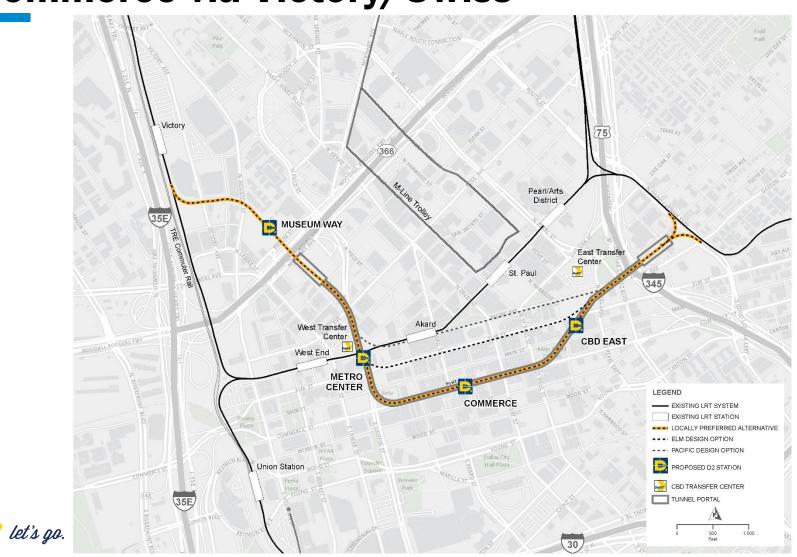


Project History

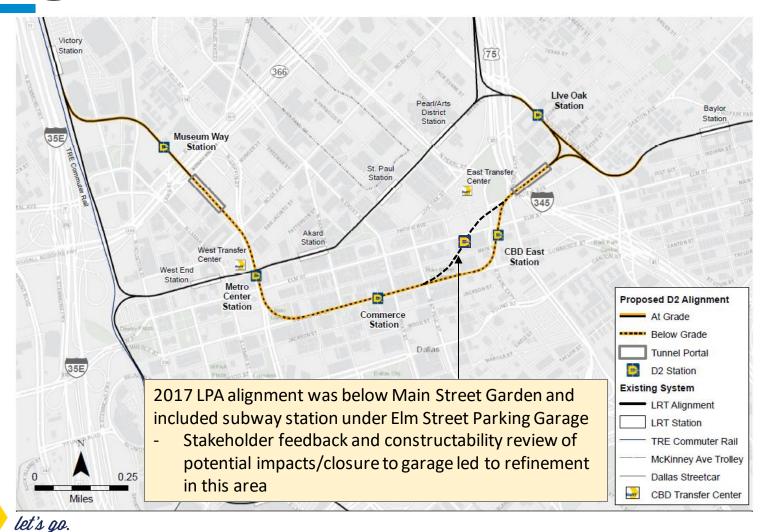




2017 Locally Preferred Alternative Commerce via Victory/Swiss



D2 Subway Alignment and Stations



September 2017 City Council Resolution 171426

- (a) Integration of the at-grade light rail line segments within street rights-of-way will be designed and constructed in a manner that enhances the quality of the street environment through balanced consideration of multimodal accessibility to adjacent buildings and development sites.
- (b) Sufficient engineering analysis will be undertaken during the design process to study and take into consideration the impact of train operations on street-level traffic operations.
- (c) Alternative locations of the transition from at grade to below grade rail will be examined to optimize development potential on adjacent property, and to minimize street closures.
- (d) The alignment will be refined to minimize to the extent feasible negative impacts on adjacent properties.
- (e) A minimum of four new stations will be added in order to maximize transit oriented development potential.
- (f) Necessary planning and design will be undertaken to maximize the flexibility of D2 to accommodate, to the extent possible, the operation of all lines through downtown, and to preserve the option for future extension of the D2 alignment or other appropriate linkages to connect to the Red and Blue line alignment south of downtown.



September 2017 City Council Resolution 171426

SECTION 2. That the D2 alignment will be brought back for City Council approval, once the FTA Project Development Phase (ten percent design stage) is complete and prior to incorporation of the alignment into the DART Service Plan under section 452.304 of the Texas Transportation Code, with regard to integration of the at-grade light rail line within street rights-of-way and the analysis of impacts on adjacent properties.

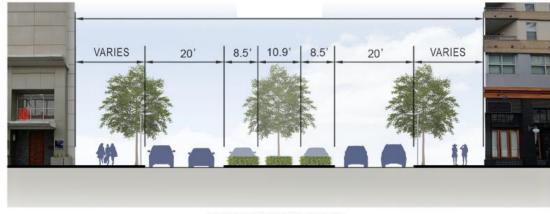


Museum Way Station Urban Design Plan

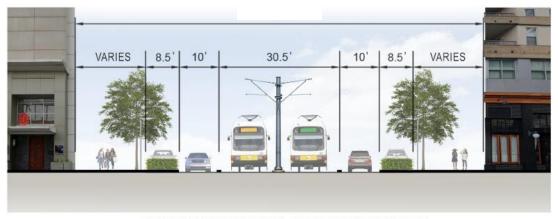


Museum Way Cross-Section Houston Street to Victory Avenue

- DART owns 35' of median right-of-way
- Current approach is to revise cross section to include parking/valet lane along sidewalk and 10' travel lane
- Maintain curb line and preserve wide sidewalk and existing street trees
- Working with area stakeholders on details

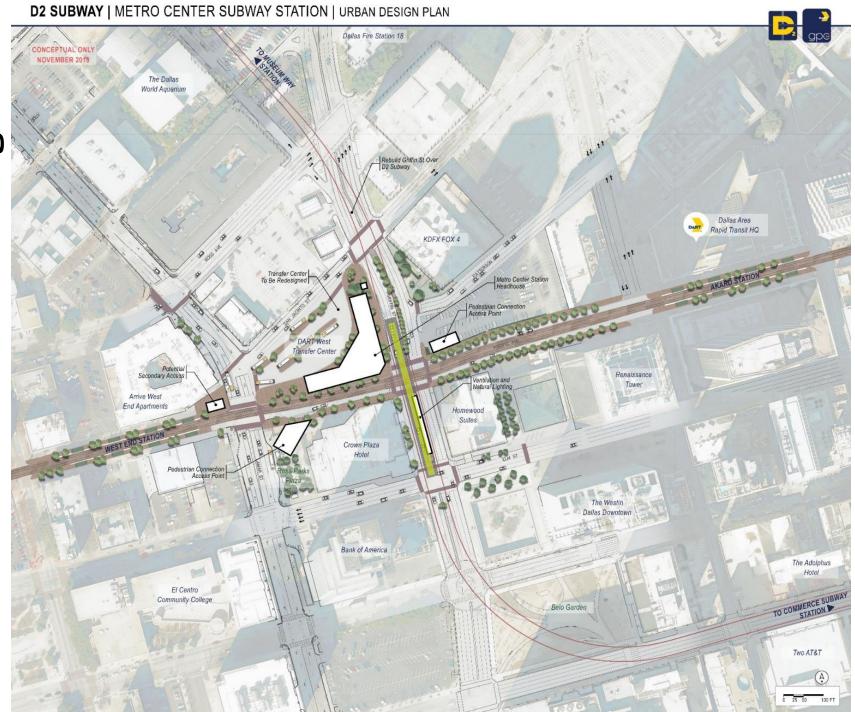


MUSEUM WAY | EXISTING CROSS SECTIO VIEW LOOKING EAST

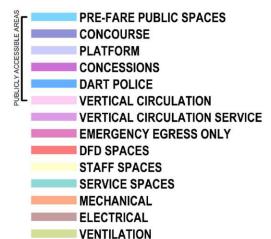




MUSEUM WAY | PROPOSED CROSS SECTION - TRACKS IN CENTER WITH STREET PARKING VIEW LOOKING EAST



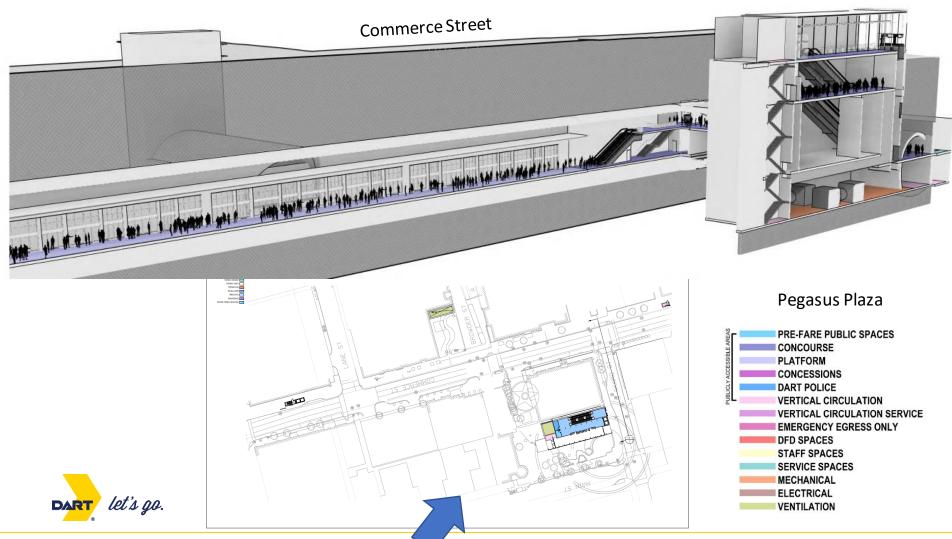
Metro Center Station Architectural Concept





Commerce Station Architectural Concept

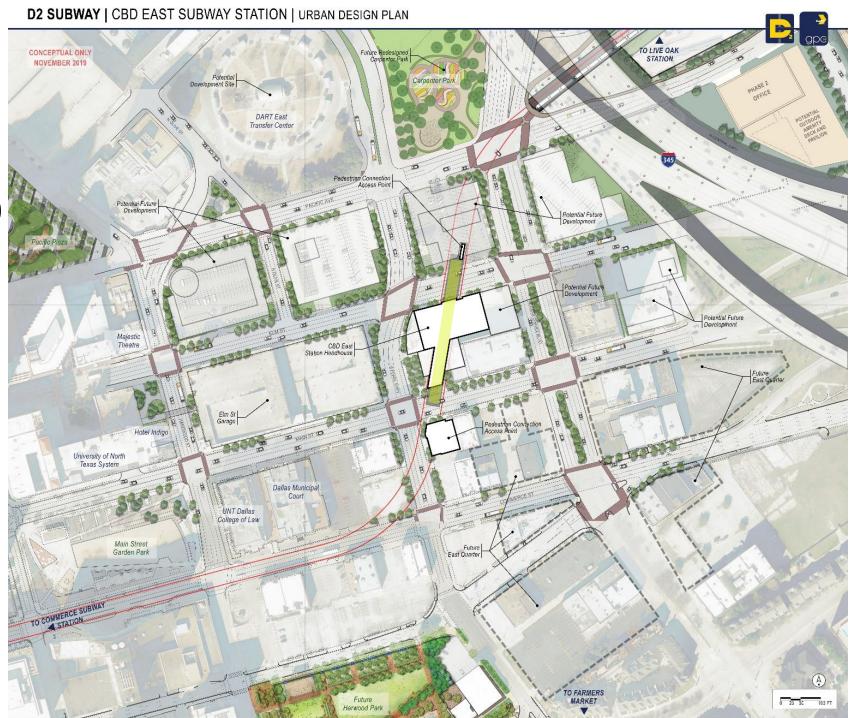
Pegasus Plaza Headhouse Concept



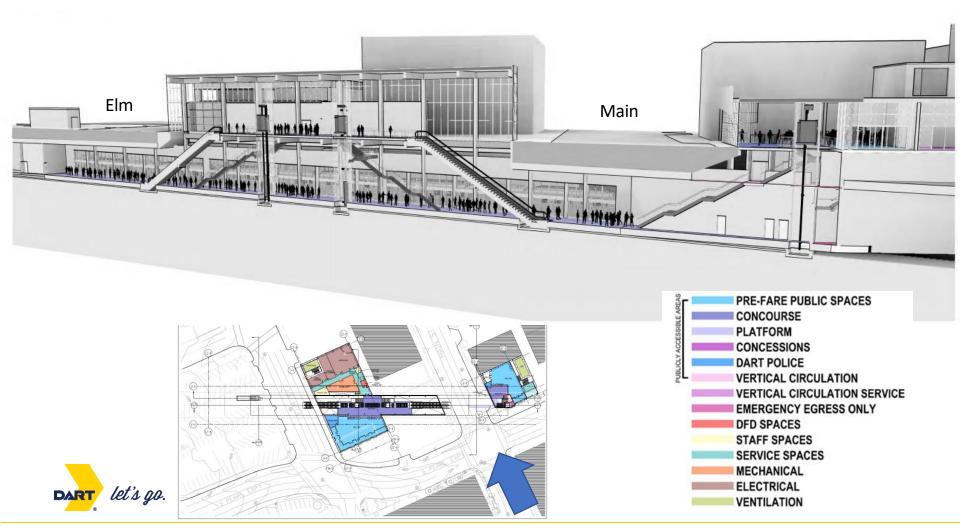
Commerce Station Alternative Concepts

- Alternative architectural concepts are under development for Commerce Station including:
 - Options for more intuitive passenger circulation with natural light
 - Potential for place fare control areas and mechanical under Pegasus Plaza and Akard Street
 - Options to place ventilation requirements
 - Options for Ervay access point on east end of platform





CBD East Station Architectural Concept



East Portal Urban Design Plan



Construction Methods

- Tunnel construction approaches:
 - Sequential Excavation Method (SEM)
 - Tunnel Boring Machine (TBM)
 - Cut-and-Cover
- DART will likely leave final method(s) up to contractor based on best time/cost efficiencies and considering staging area needs







