D2 Subway East End Evaluation

September 29, 2021 Public Meeting







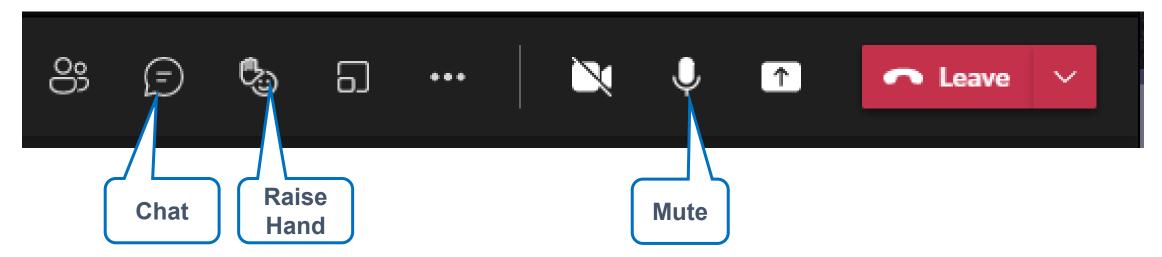
North Central Texas Council of Governments



PLEASE MUTE YOUR MICROPHONE

The presentation is being recorded and will be posted to DART.org/D2.

Please use the chat box to type your questions or raise your hand if you would like to ask a question or speak. There will be a Q&A period and opportunity to comment at the end of the presentation.



Comments not received during this meeting must be submitted to DDOTPlanning@dallascityhall.com or by mail to be formally considered.

Agenda

- 1. Welcome and Meeting Purpose
- 2. Background and Process Overview
- 3. Results of Second Level Screening
- 4. Next Steps
- 5. Q&A / Opportunity to Comment

Meeting Purpose

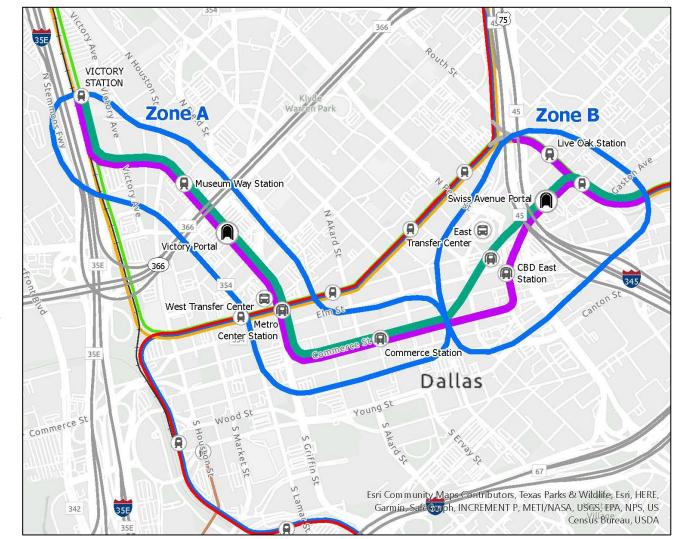
- Provide the community an update on the D2 East End Evaluation process
- Solicit input on the findings of the second level screening to support staff recommendation

Background & Process Overview

Background

March 24, 2021, Dallas City Council Resolution

- Advanced the D2 subway and set the Alignment in Zone A
- Directed city staff to work with DART, TxDOT, NCTCOG, and stakeholders to evaluate project refinements, enhancements, and/or modifications in **Zone B** to address and mitigate technical, environmental, and alignment concerns



Source: Map by Transportation GIS, February 2021

Vision & Key Issues for Zone B Evaluation

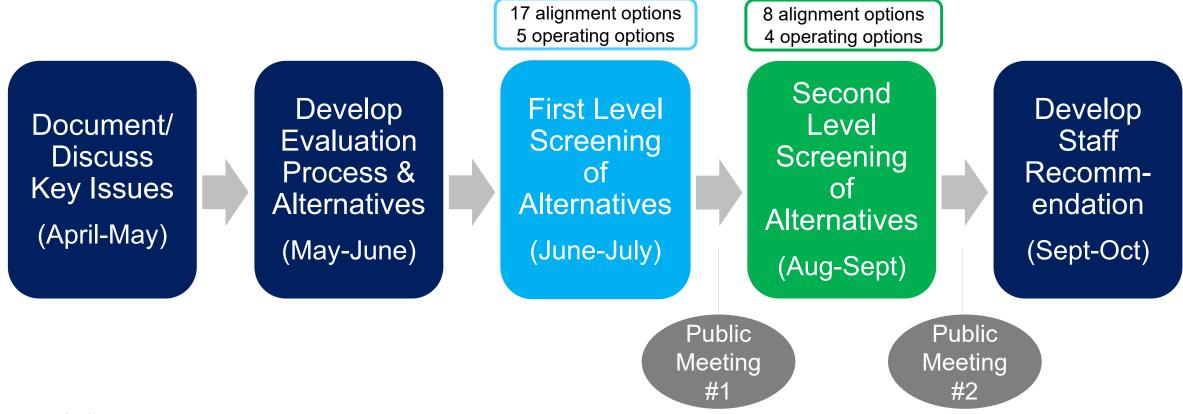
The overall vision will be based on looking at the D2 Subway, I-345, local street network, and other related infrastructure projects in a coordinated and holistic manner to:

- Minimize right-of-way needs
- Maximize economic development potential
- Reduce the potential for "throw-away" reconstruction of local streets
- Lessen business, property, and travel impacts during construction
- Enhance the city street grid and pedestrian network to reconnect neighborhoods
- Maximize the experience for transit, bicycle, pedestrian, roadway, and freight/goods movement

Process & Schedule

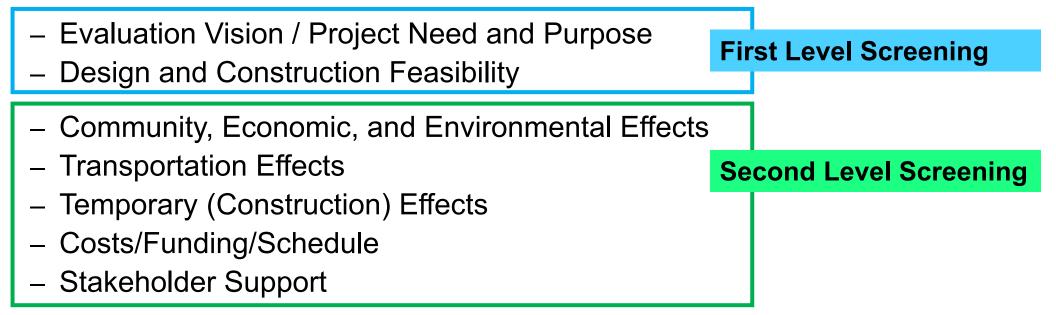
KEY DATES

- Staff recommendation by October 2021
- Brief City Council by November 2021
- Draft Interlocal Agreement(s) by and between the City, DART, NCTCOG, and TxDOT, by January 2022
- City Council resolution no later than March 2022



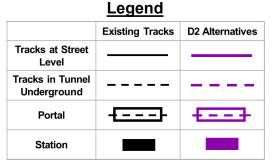
Evaluation Process

- Alternatives were compared to the 30% design of the D2 Subway included in the April 2021 Final Environmental Impact Statement/Record of Decision (FEIS/ROD)
- Evaluation Categories and Stages:



Results of Second Level Screening

Options Evaluated in Second Level Screening



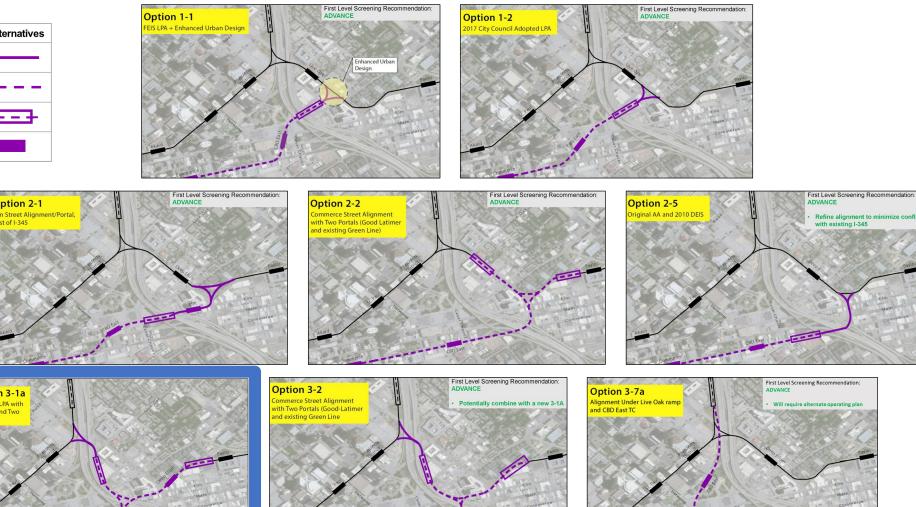
Option 2-1

st of I-345

New Option 3-1a

2017 City Council LPA with

Wye under I-345 and Two

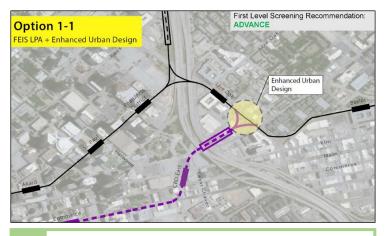


Updated since August 5th Meeting

Second Level Screening Results

Alternative	Green	Yellow	Orange	East End Property Impacts	Stations	Economic & TOD Opportunities	Impacts to Riders & EJ	Street Grid/Traffic Impacts	Ped, Bike, and Micro-Transit Safety Effects	Construction Impacts	DART Service Impacts/O&M Considerations	Impacts to Future Design I-345	Project Costs	Operating Costs	FTA Grant Implications	DART Project Schedule	Stakeholder Support
Baseline - FEIS 30% Design	6	4	3	orange	green	orange	green	yellow	yellow	yellow	yellow	orange	green	green	green	green	
1-1: FEIS LPA + Enhanced Urban Design + West Side Running LRT	8	2	3	orange	green	orange	green	green	green	yellow	yellow	orange	green	green	green	green	
1-2: 2017 City Council Adopted LPA	5	5	3	orange	green	orange	green	yellow	yellow	yellow	yellow	orange	yellow	green	green	green	
2-1: Elm Street Alignment/Portal, East of I-345	3	4	6	orange	green	orange	green	orange	yellow	yellow	yellow	orange	orange	green	orange	yellow	
2-2: Commerce Street Alignment with Two Portals (Good-Latimer and existing Green Line)	4	4	5	yellow	orange	green	orange	green	green	yellow	orange	green	orange	yellow	orange	yellow	
2-5: Original AA and 2010 DEIS	5	6	2	yellow	green	yellow	yellow	orange	orange	green	green	green	green	yellow	yellow	yellow	
3-1a: 2017 City Council LPA with Wye under I-345 and Two Portals	4	3	6	orange	green	yellow	yellow	green	green	orange	orange	green	orange	yellow	orange	orange	
3-2: Commerce Street Alignment with Wye under I-345 and Two Portals	4	2	7	yellow	orange	green	orange	green	green	orange	orange	green	orange	yellow	orange	orange	
3-7a: Alignment Under Southbound I-345 Access Road	7	6	0	green	green	green	yellow	green	green	yellow	yellow	green	yellow	green	yellow	yellow	

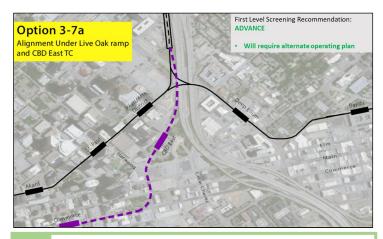
Highest Ranking Options & Key Trade Offs



- Minor refinements to LPA
- Minimal schedule delay
- Minimal D2 cost increase
- Complicates street grid
 operations
- Number of private property acquisitions required
- I-345 depressed option cannot gravity drain/adds costs



- Minimal acquisition of private property
- I-345 depressed options can gravity drain
- Minimal D2 cost increase
- Inconvenient transfers/ access
- Traffic conflicts
- Longer travel time



- Minimal acquisition of private property
- No crossing of I-345
- Reduced train/traffic conflicts
- Convenient transfers
- Some schedule delays
- Moderate D2 cost increase
- Requires refinements/ adjustments to proposed FEIS LPA operating plan

Next Steps

Next Steps

- Obtain and document Stakeholder Support
- Meet with TxDOT, DART, and NCTCOG to develop stafflevel recommendation
- Briefing to DART Planning and Capital Programs Committee on October 12th
- Briefing to Dallas City Council Transportation and Infrastructure Committee on October 18th
- Prepare report to summarize D2 East End Evaluation effort
- Develop draft City Council resolution

Q&A / Opportunity to Comment

Q&A / Opportunity to Comment

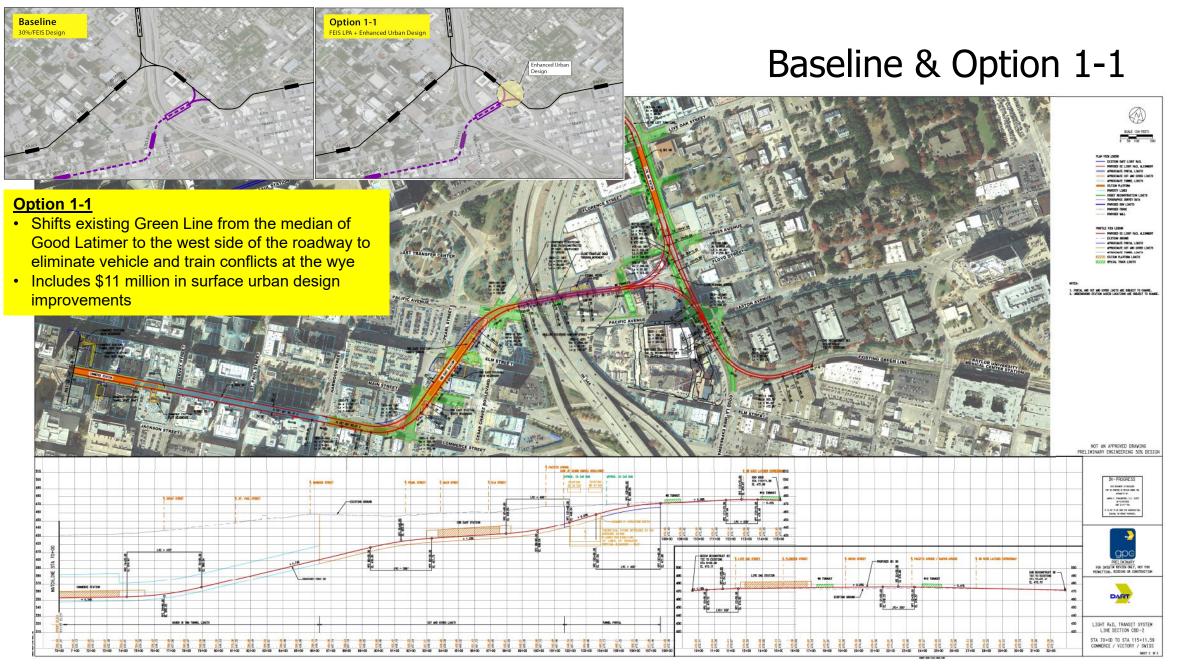
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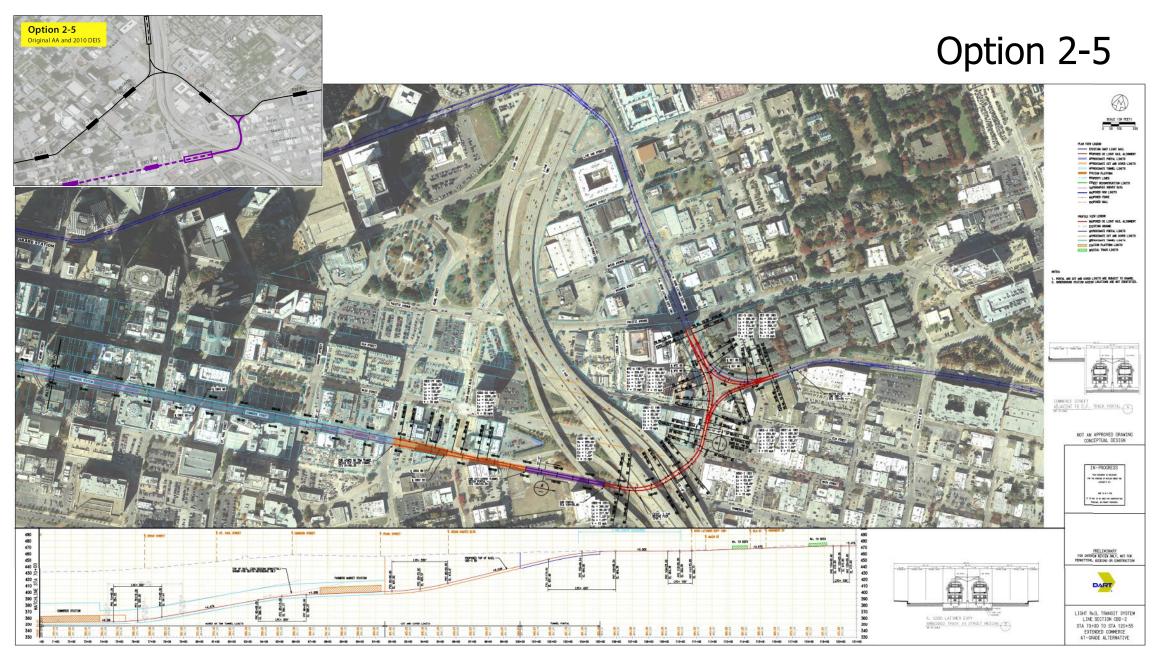
Comments or questions not received during this meeting must be submitted by email or mail no later than **October 6, 2021** to be formally considered.

Email:	Mail:
DDOTPlanning@dallascityhall.com	Department of Transportation, c/o D2 Subway
	1500 Marilla Street, L1BS
	Dallas, TX 75201

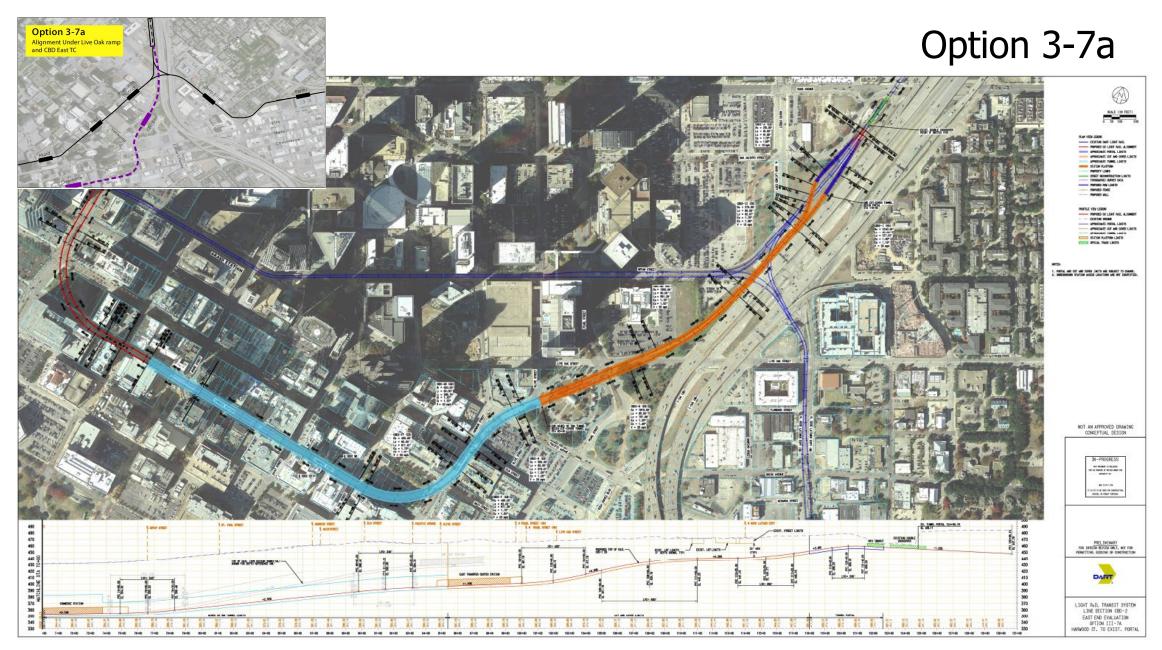
Recording of the presentation and the maps will be posted to <u>DART.org/D2</u> and the City of Dallas Department of Transportation website.

Appendix 1: Engineering Concepts for Highest Ranking Second Level Screening Options





9/29/2021



Option 3-7a Operations

Reduced conflicts: Directional track merges for northbound and southbound trains

Opportunity for short, well-designed passenger transfer path



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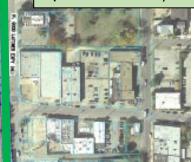
No Green Line connection to D2: In case of mall shutdown, Green Line could turn back at Pearl & West End / D2 serves as "rail bridge"

UNE ON STREET

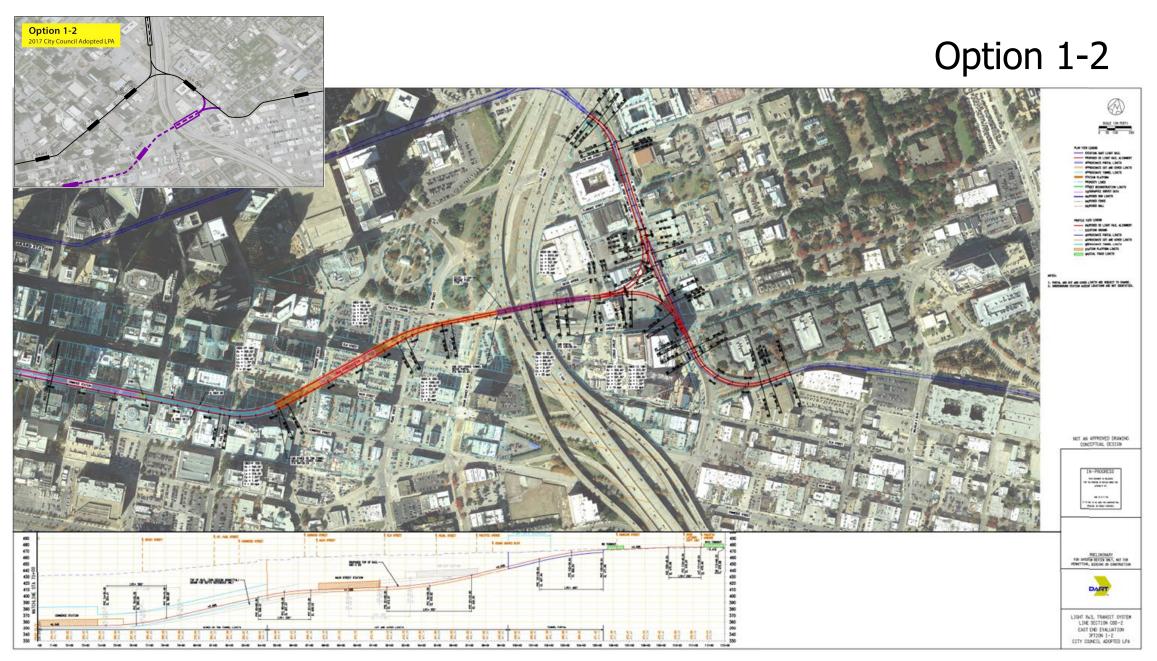
Reduced conflicts for trains and traffic: D2 tracks pass under street and existing junction



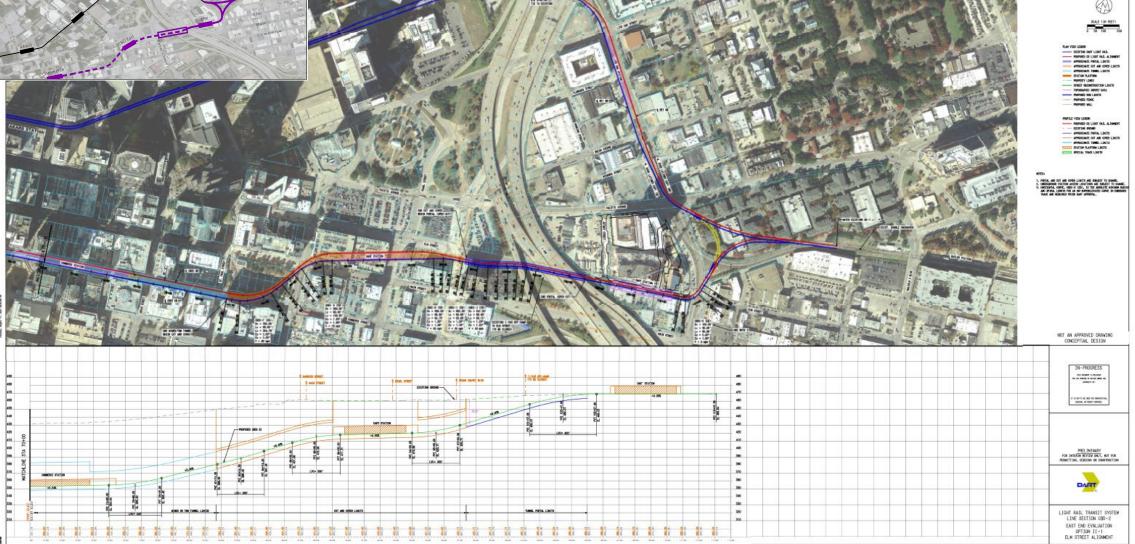
Operational Flexibility retained for Green Line to north (future service pattern, special events)



Appendix 2: Options Not Recommended Second Level Screening

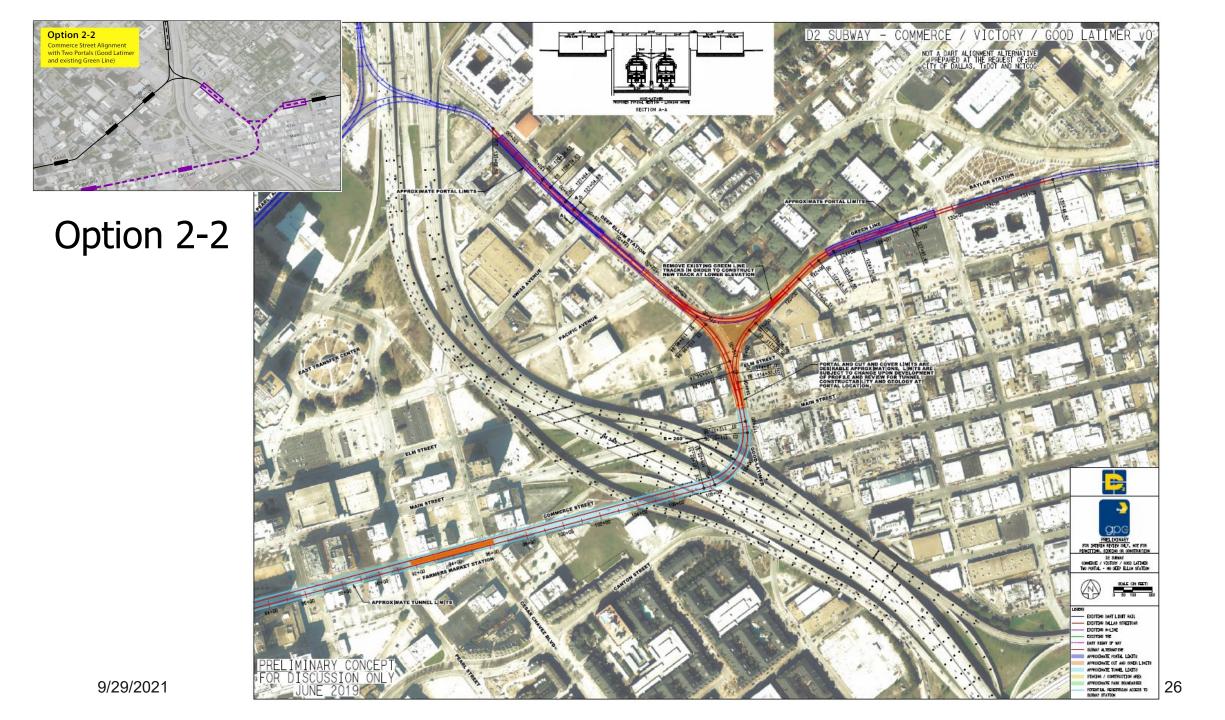


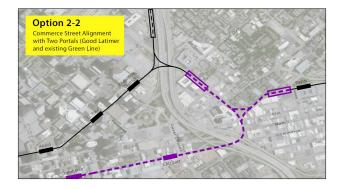




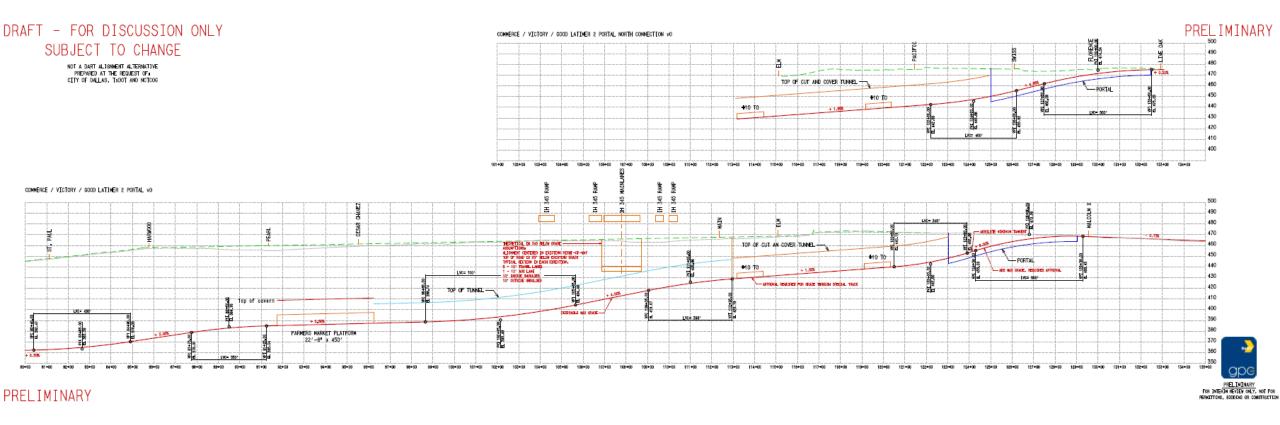
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Option 2-1 Elm Street Alignmen East of I-345



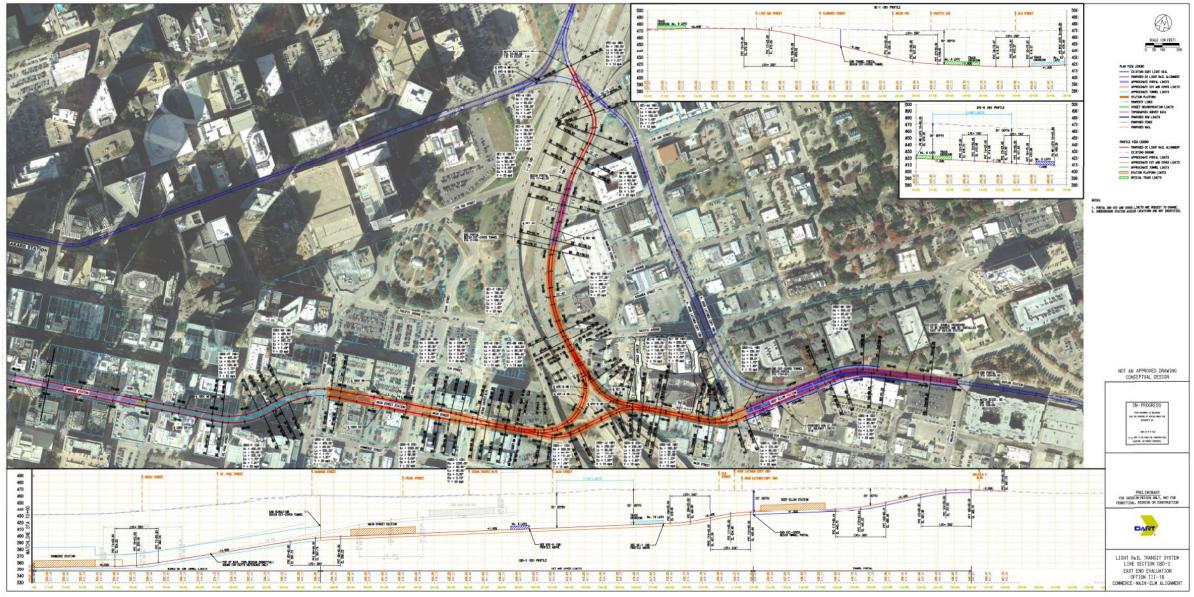


Option 2-2



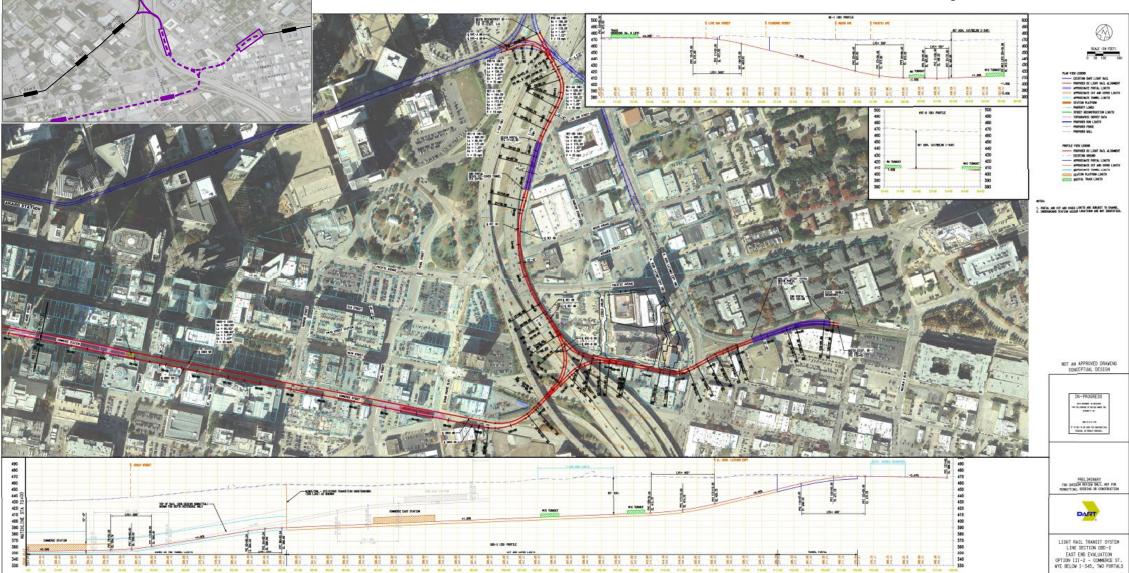
9/29/2021

New Option 3-1a



9/29/2021

Option 3-2



Option 3-2

Commerce Street Alignment with Two Portals (Good-Latimer and existing Green Line

Appendix 3: Options Not Recommended First Level Screening

