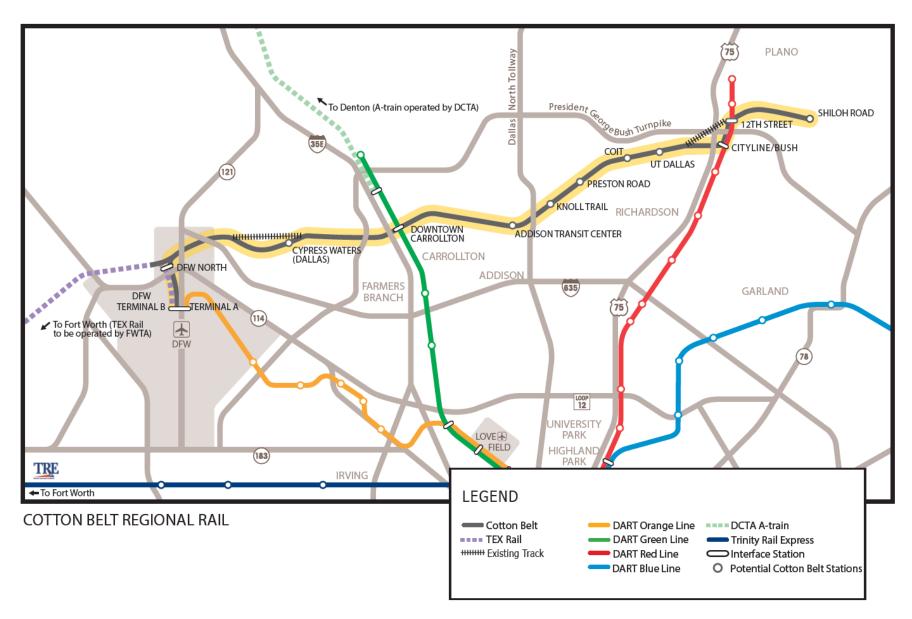


Agenda

- Design Update
 - Alignment/Cross-section/Stations/Facilities
- Environmental Update
 - Documentation of Existing Conditions
- Traffic Update
- Arapaho Bridge
- Ridership
- Community Integration
- Community Open Houses







Design Update: Engineering

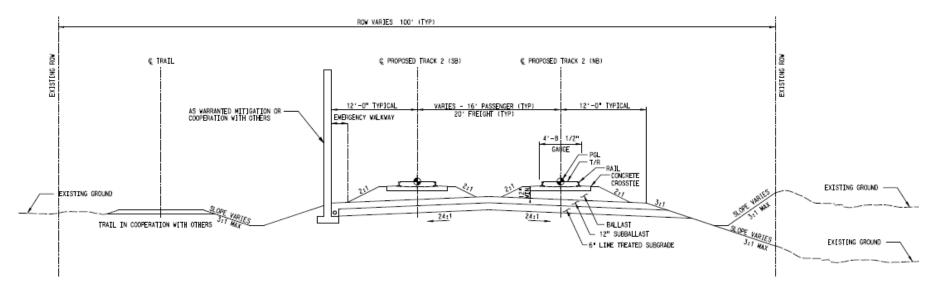
Revised Drawings: (Double Track Scenario)

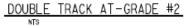
- Horizontal alignment
- Vertical alignment
- Typical sections
- Downtown Carrollton

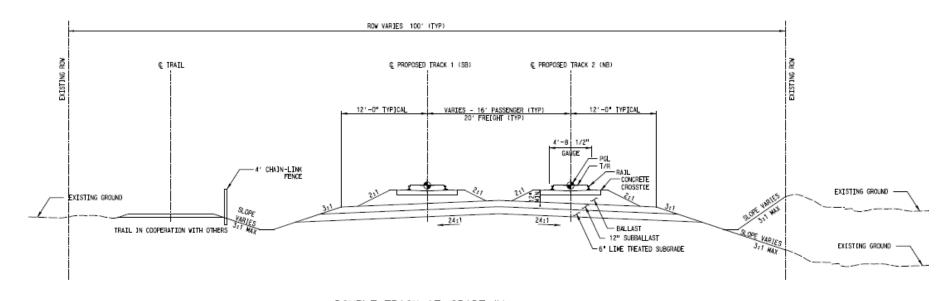
Facilities

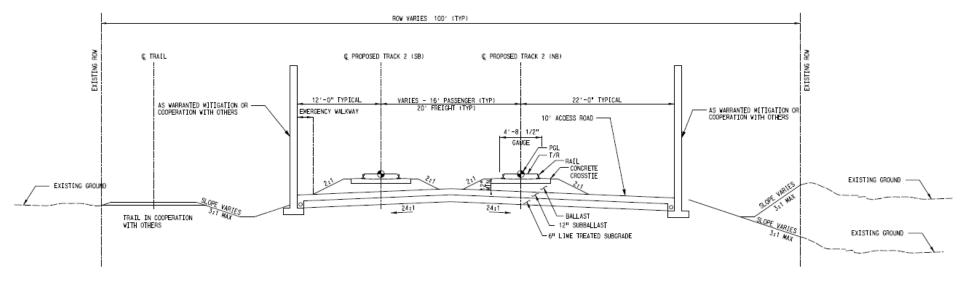
- Mercer Yard
- Equipment Maintenance Facility





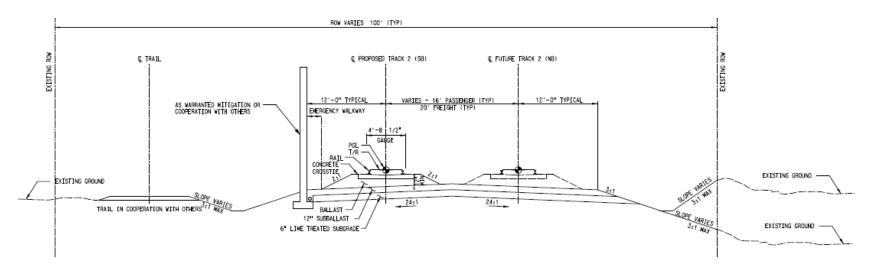




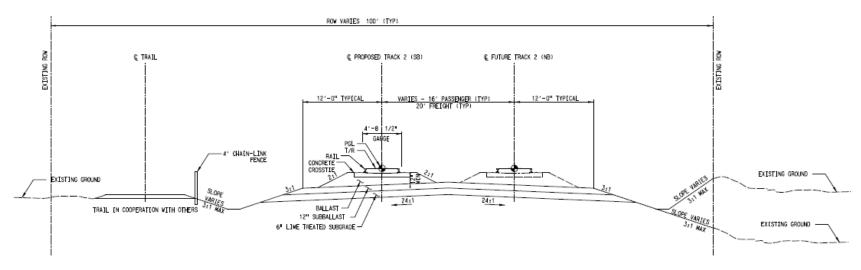


DOUBLE TRACK AT-GRADE #3





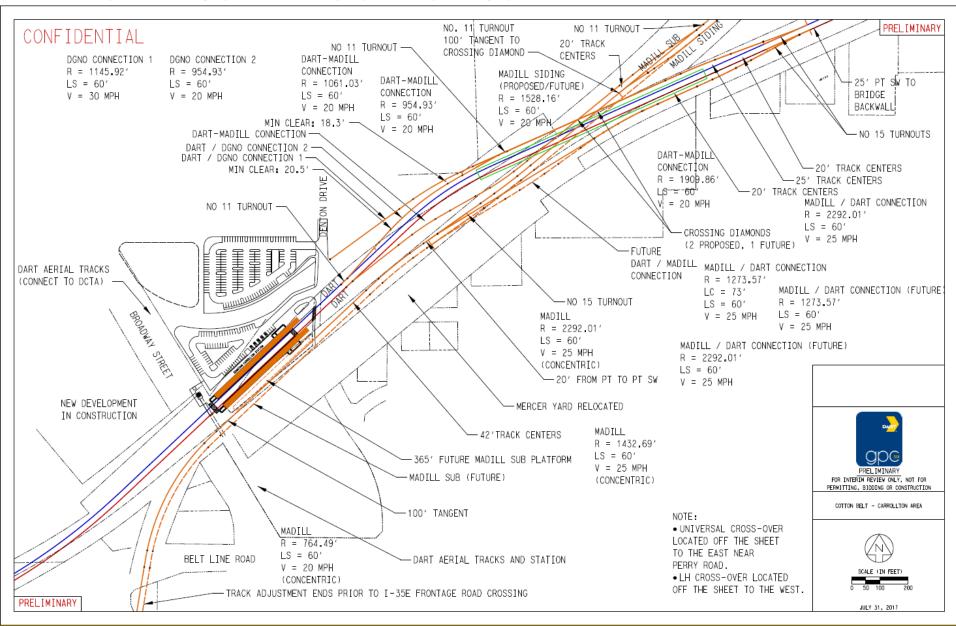
INITIAL BUILD AT-GRADE #2



INITIAL BUILD AT-GRADE #1



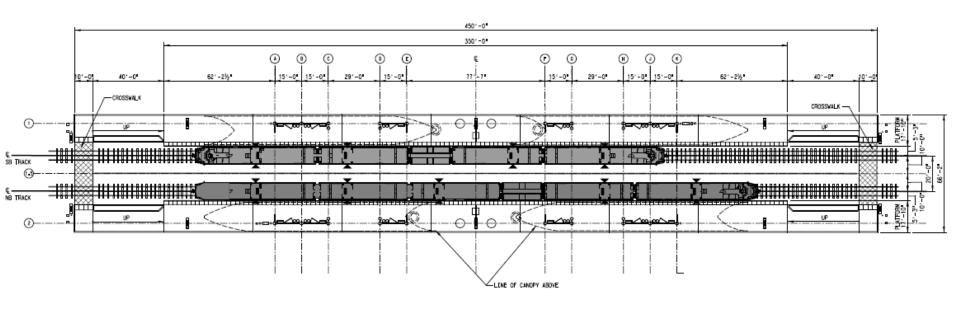
Downtown Carrollton



Revised Station Location and Length (350-foot)

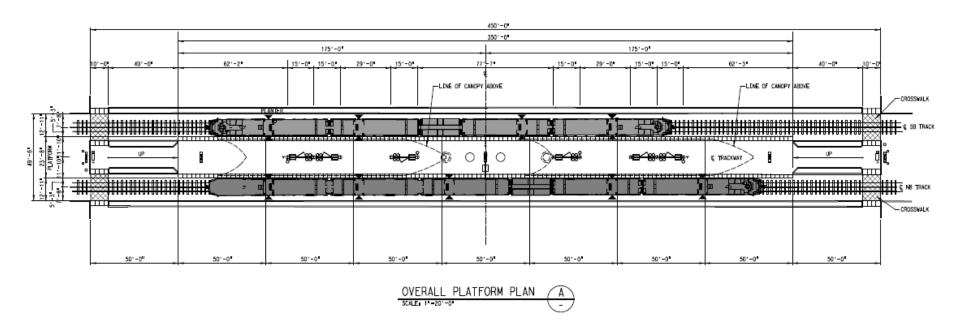
- Side Platform Concept
- Center Platform Concept
- Conceptual Architectural Rendering
- Station Plan Views





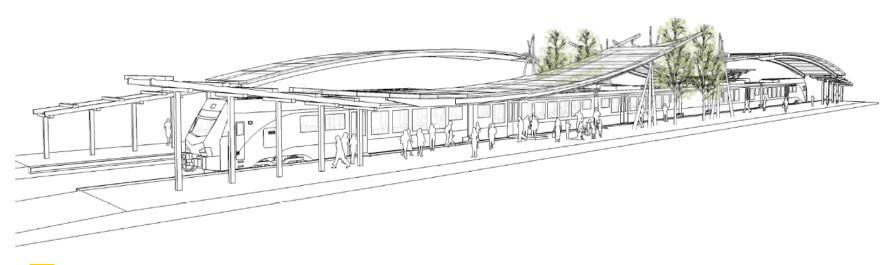






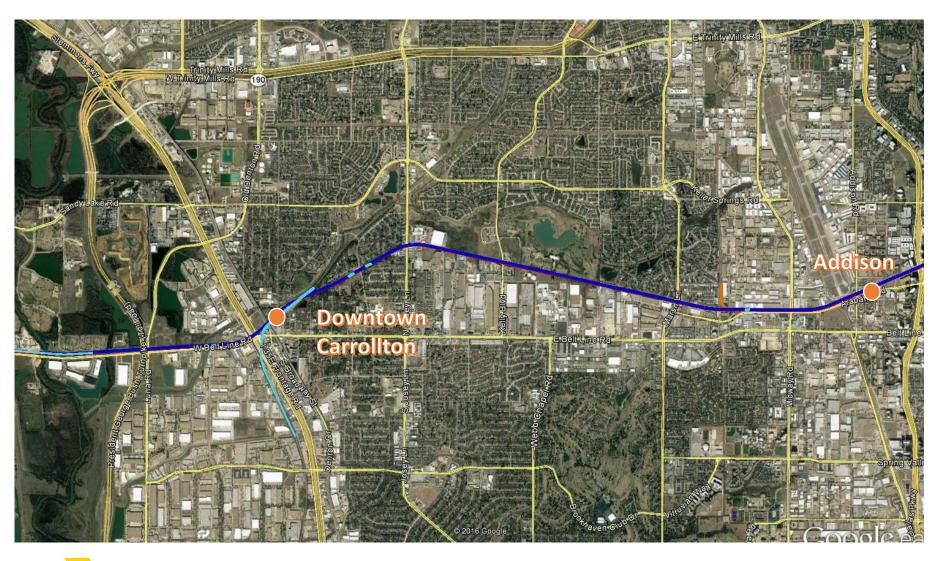






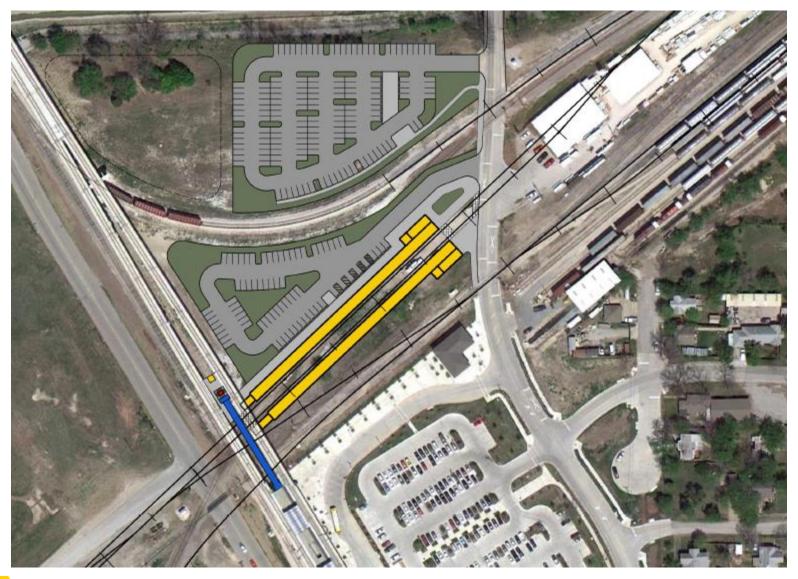


Focus Area Stations





Downtown Carrollton Station



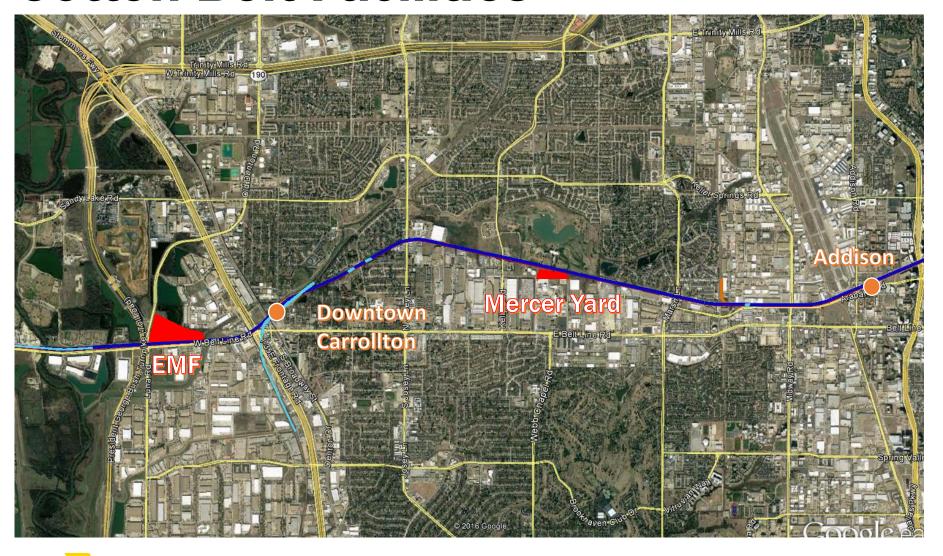


Addison Station



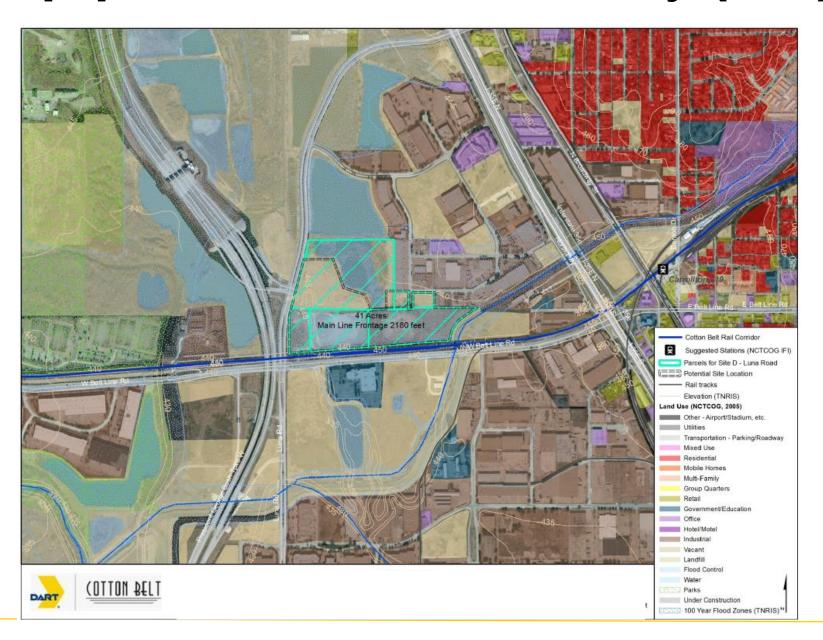


Cotton Belt Facilities

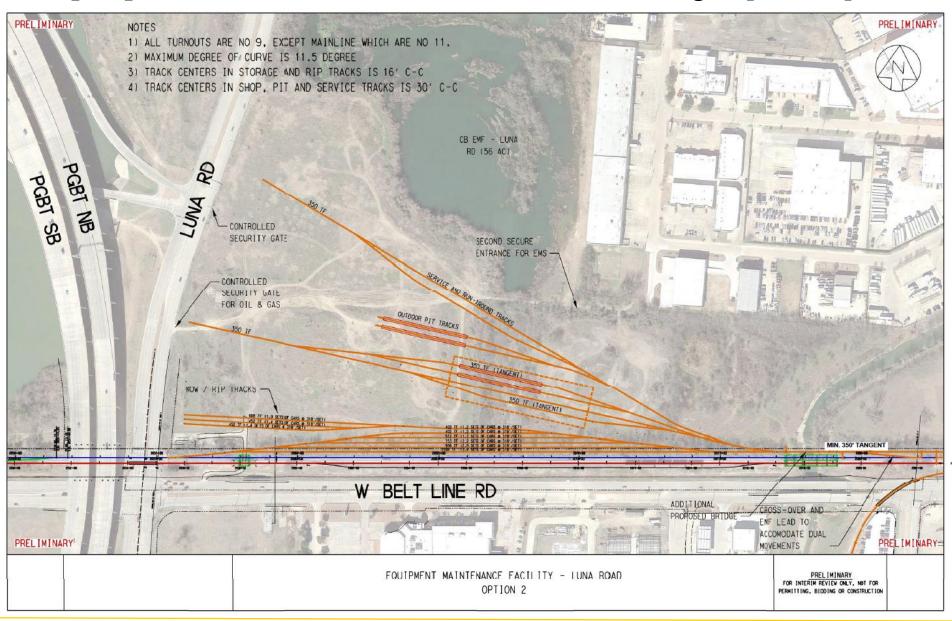




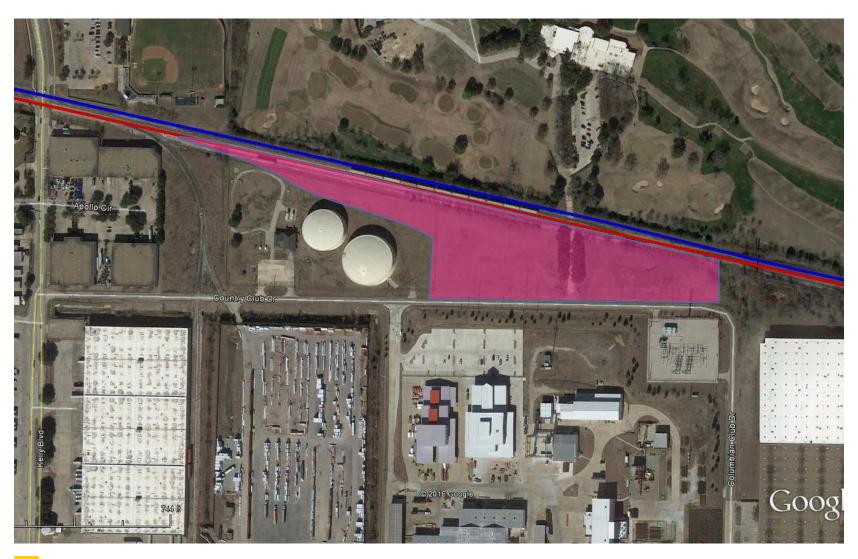
Equipment Maintenance Facility (EMF)



Equipment Maintenance Facility (EMF)

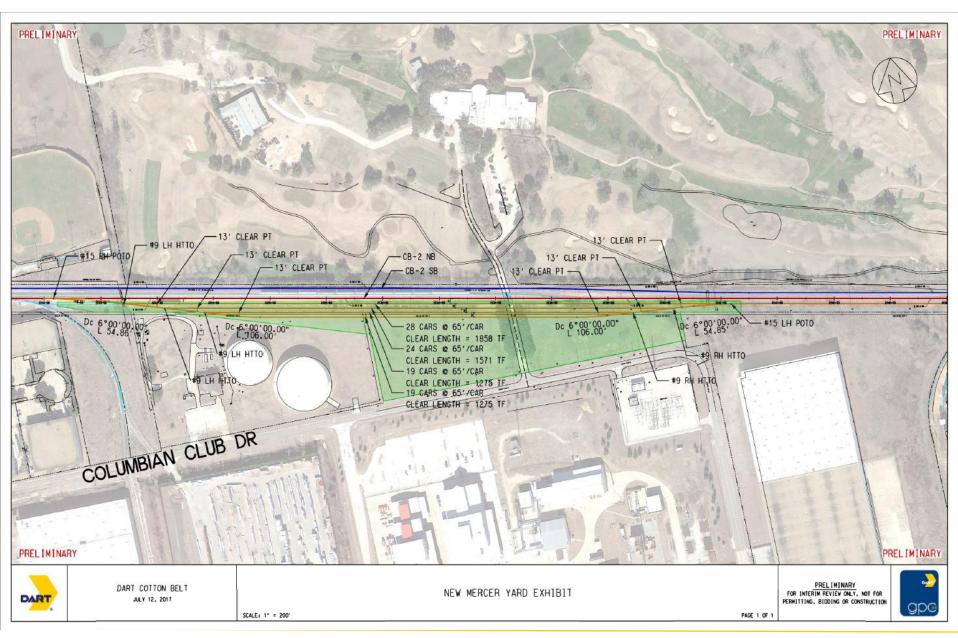


Relocated Mercer Yard





Relocated Mercer Yard

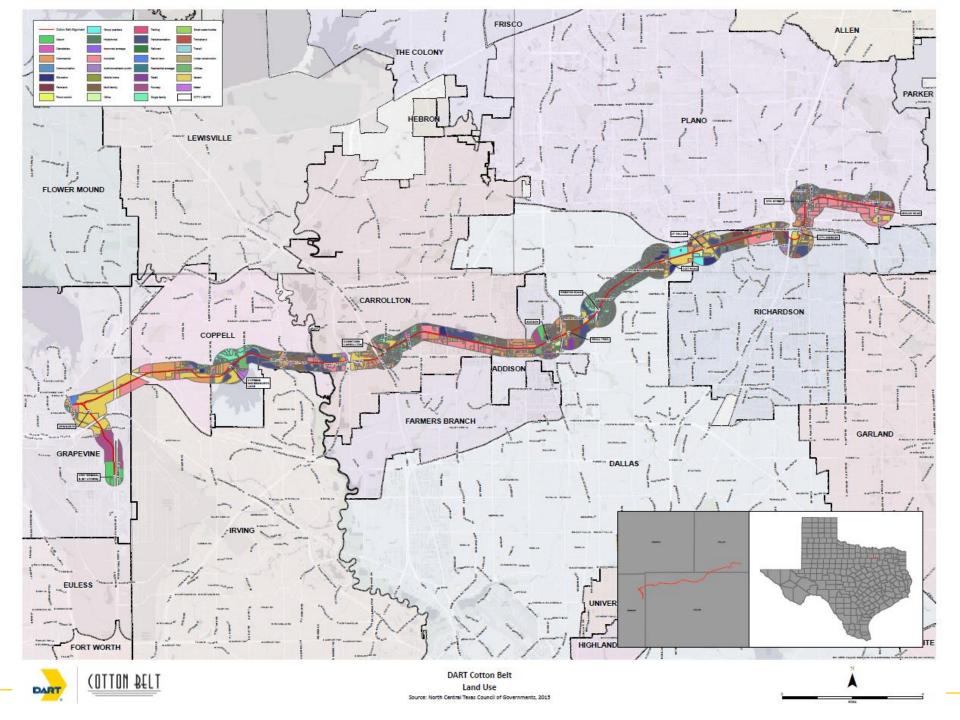


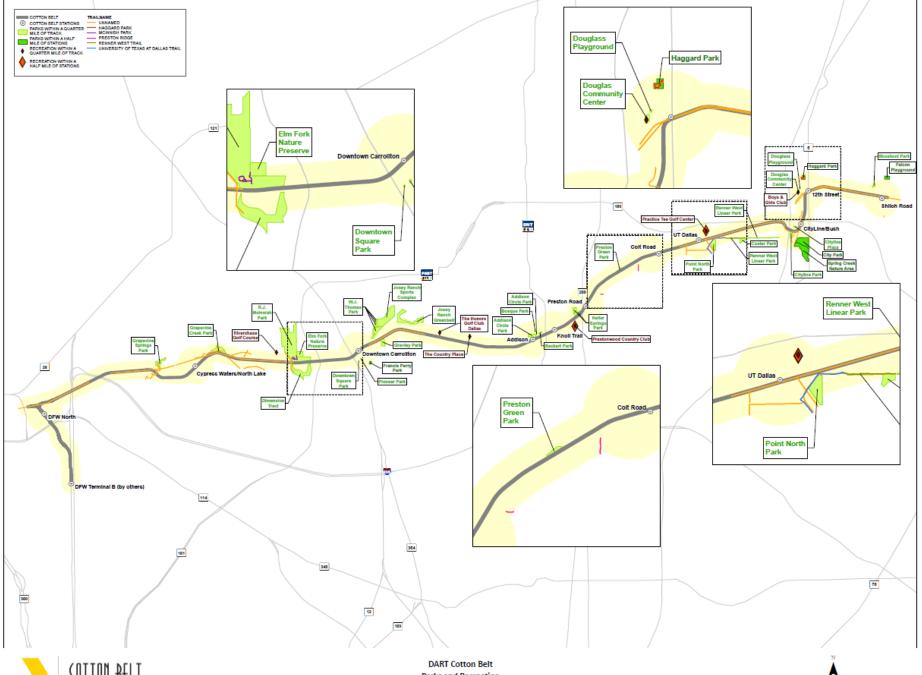
Environmental Update

Documentation of Existing Conditions

- Land Use
- Parks and Recreation
- Vegetation and Waters Resources
- Historic Resources





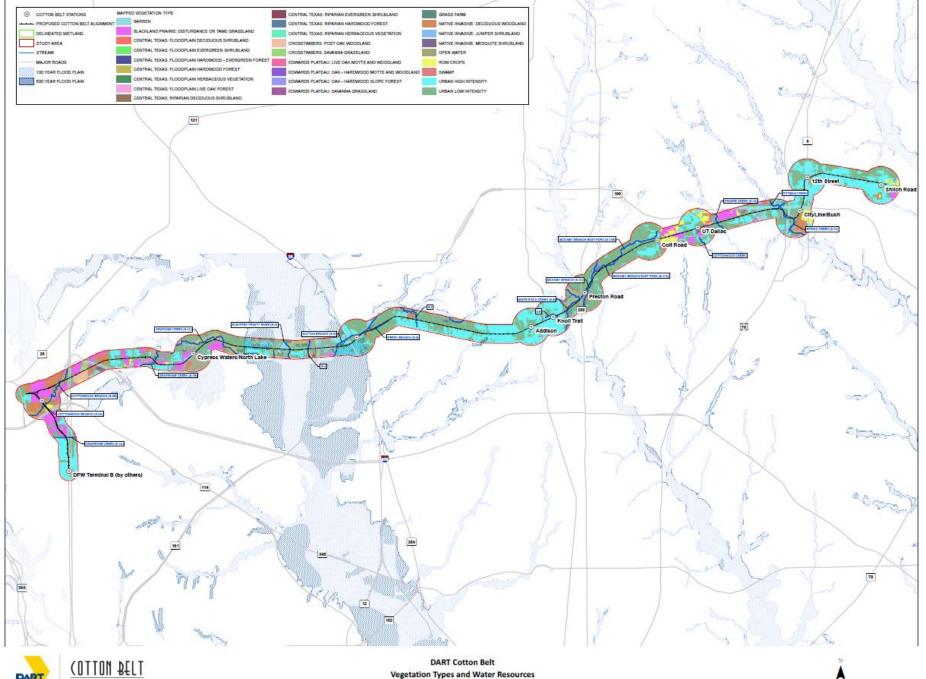








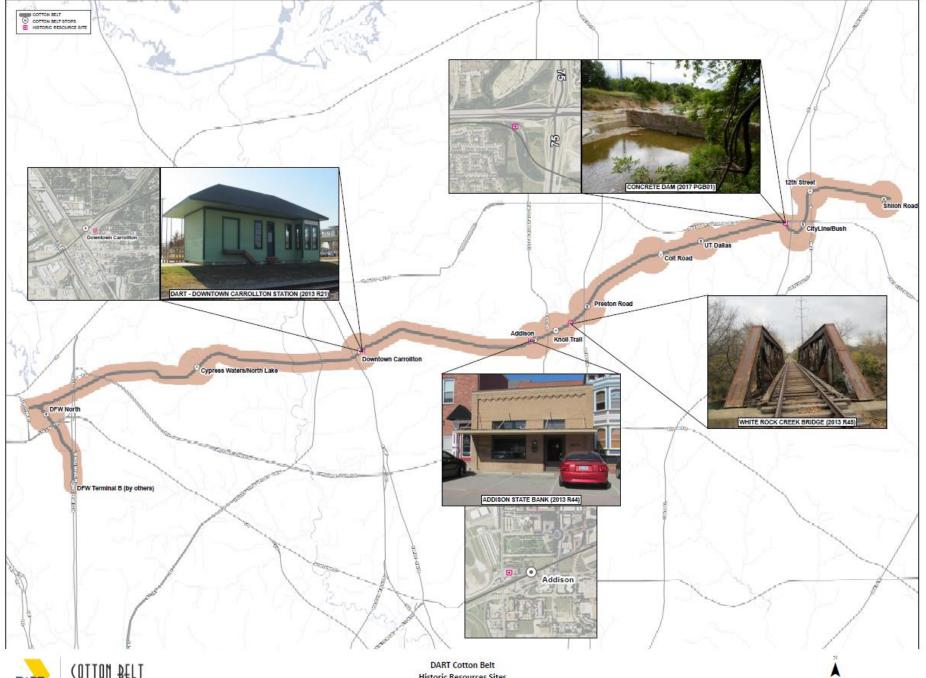
















Historic Resources Sites Source: North Central Texas Council of Governments, 2015

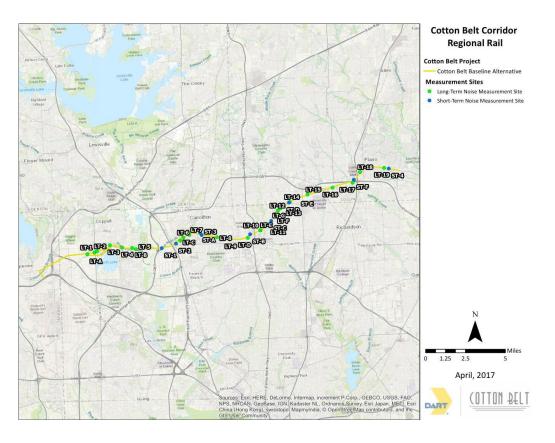


Noise Methodology

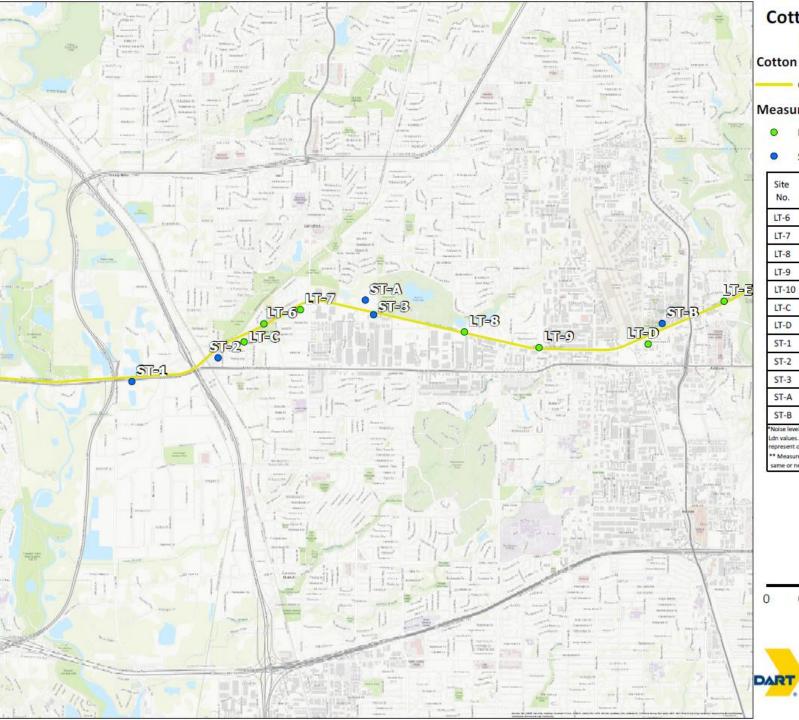
A noise monitoring program has been initiated to characterize the existing noise conditions at representative noise-sensitive receptors along the Cotton Belt Corridor.

- Noise Monitors* were installed at 27 locations to collect long-term (24- hour) noise measurements along the corridor.
- Noise Monitors* were installed at 11 locations to measure short-term noise (1 hour).

*Noise Monitors were NTi Audio model XL2 that conform to American National Standards Institute (ANSI) Standard S1.4 for Type 1 (Precision) sound level meters







Cotton Belt Corridor Regional Rail

Cotton Belt Project

Cotton Belt Baseline Alternative

Measurement Sites

- Long Term Noise Measurements
- Short Term Noise Measurements

Site No.	Noise Levels* (dBA)			
	2017 (measured)	2017 (w/o train noise)	2010**	
LT-6	60	57	62	
LT-7	60	60	59	
LT-8	59	59	57	
LT-9	57	57	55	
LT-10	56	56	54	
LT-C	56	56		
LT-D	61	61		
ST-1	66	66	64	
ST-2	61	59	61	
ST-3	56	56	55	
ST-A	54	54		
ST-B	60	60		

Ldn values. Noise levels at Short-Term (ST) measurement site: epresent one-hour Leg values. ** Measurement results obtained in December 2010 at the



Miles

0.5

April, 2017



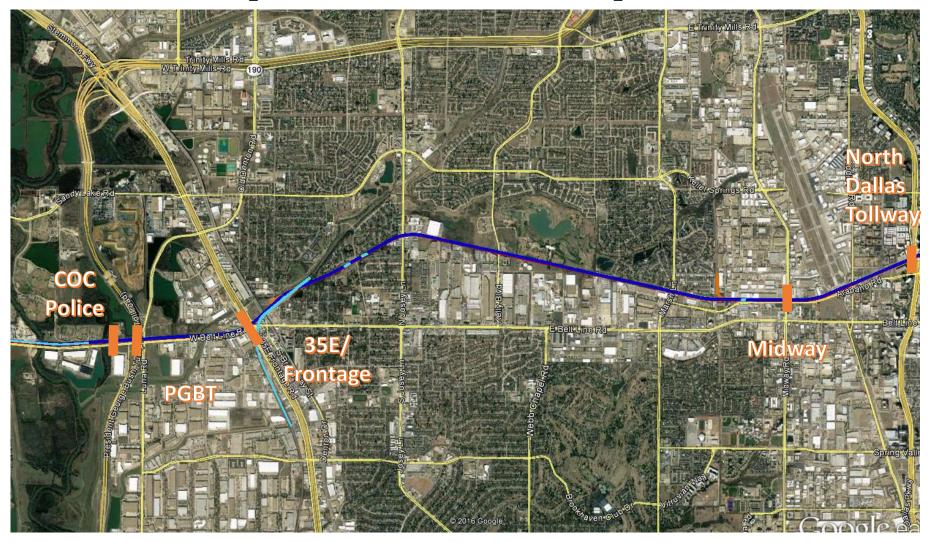


Noise - Next Phase

- Assessment
- Identification of Impacts (Per FTA Criteria)
- Recommend Mitigation
- Generally Quiet Zones will be recommend along the most of the corridor

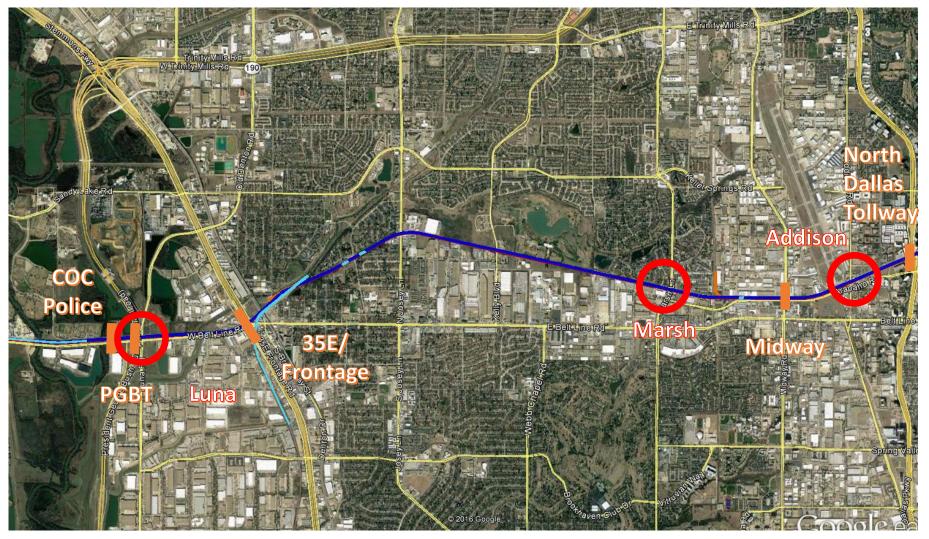


2010 Proposed Grade Separations





2017 Crossings Requiring Mitigation





Traffic Update

STREET CROSSING LOCATION (Carrollton/Addison AFG)	CITY	ANALYSIS RESULTS	MITIGATION REQUIRED *
Addison Road	Addison	The northbound queue length extends beyond Arapaho Road during the pm peak hour and the southbound queue length extends beyond Lindbergh Road during the am peak hour. Aeronautical and physical constraints to grade separation.	Yes
Midway Road	Addison	Analysis reconfirms need for grade separation of Midway Road	Yes
Marsh Lane	Addison	The northbound queue length extends beyond Arapaho Road during the pm peak hour and the southbound queue length extends beyond Country Square Drive during the am peak hour.	Yes
Luna Road	Carrollton	The northbound queue length extends beyond the PGB Turnpike Exit Ramp intersection during the evening peak hour and the southbound queue length extends beyond the PGB Turnpike Exit/Entrance Ramps intersection during the morning peak hour. Physical constraints to grade separation.	Yes

^{*}Mitigations could include: Signal synchronization, intersection improvements adding capacity, or grade separation

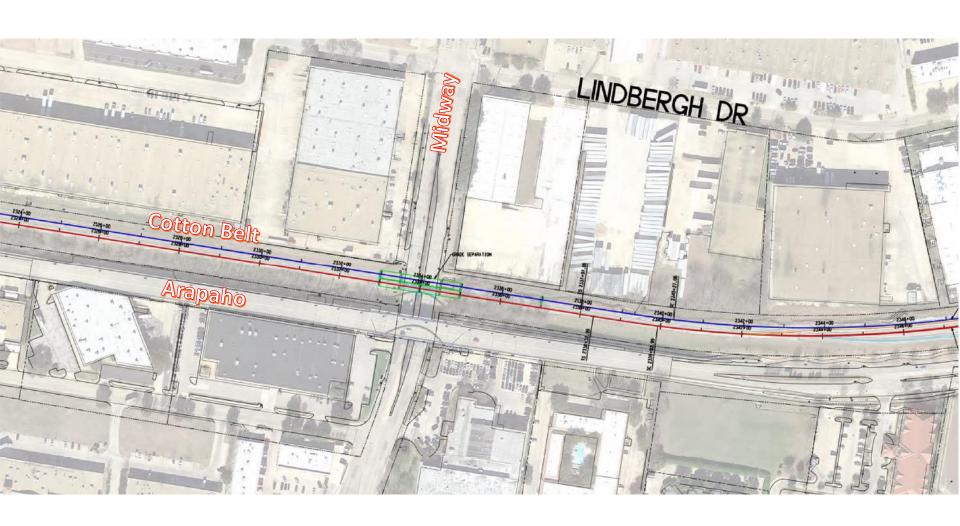


Midway Grade Separation





Midway Grade Separation





Arapaho Bridge





Cotton Belt Bridge (No Arch)



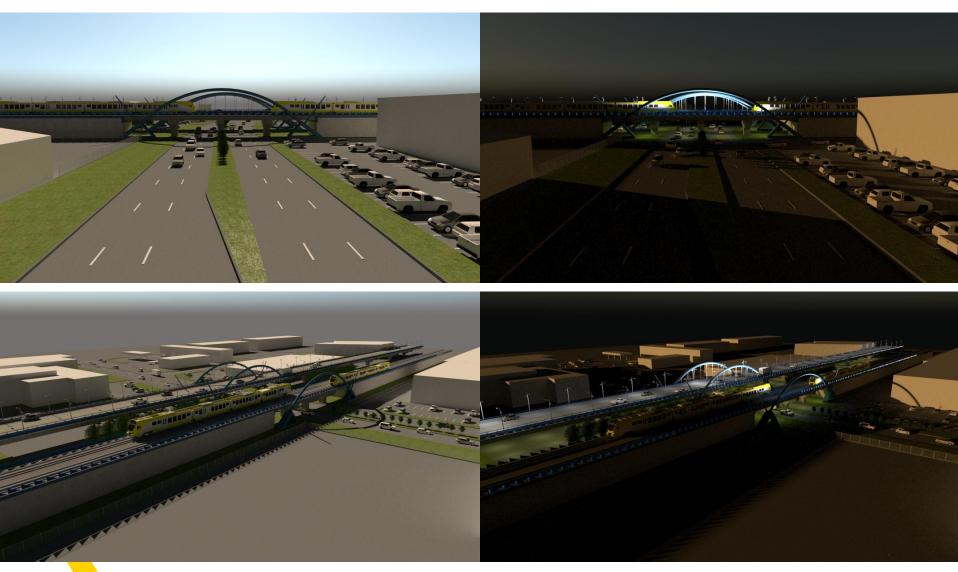


Cotton Belt Bridge (Arch)



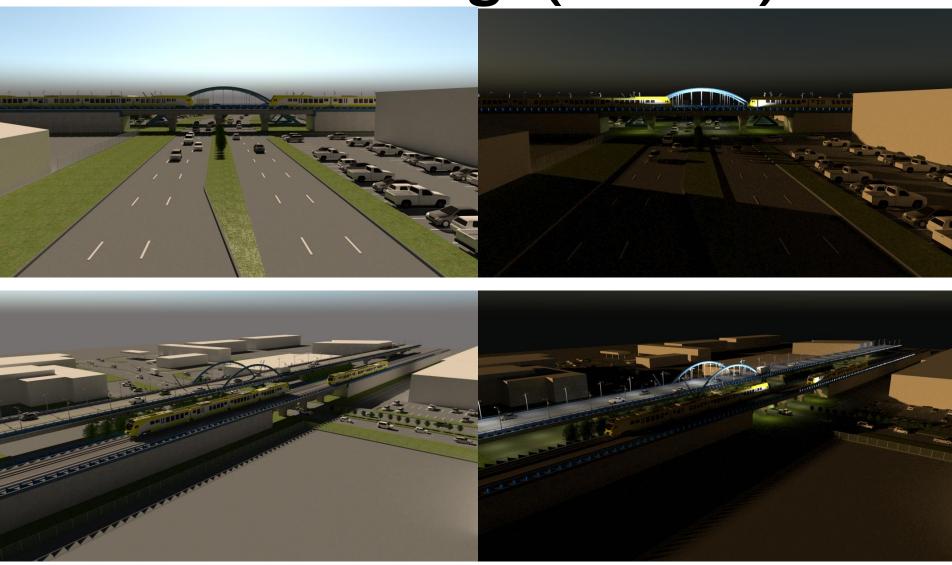


Cotton Belt Bridge (Arch)



DART let's go.

Cotton Belt Bridge (No Arch)





Cotton Belt Ridership

	DAILY RIDERSHIP		
STATION NAME	Opening Day	2040	
DFWIA AB Terminal Station	1,200	1,200	
North DFW Station	800	1,300	
Cypress Waters Station	200	900	
Downtown Carrollton Station	1,000	2,000	
Addison Station	1,000	1,700	
Knoll Trail Station	500	600	
Preston Rd Station	300	500	
Coit Rd Station	600	700	
UT Dallas Station	700	900	
CityLine/Bush Station	1,000	1,400	
12th Street Station	200	300	
Shiloh Station	400	700	
Total	7,900	12,200	



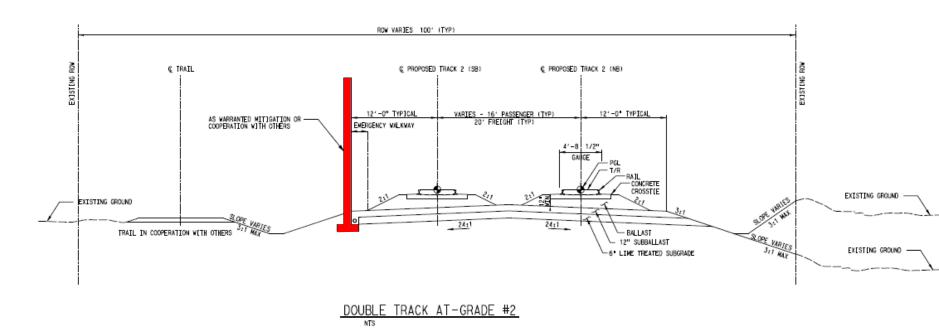
Community Integration

Community Integration features such fences, walls, trails, landscaping, etc. will be incorporated into the project subsequent to identification of impacts and required mitigation.

 DART will work in cooperation with NCTCOG and local jurisdictions for implementation community integration features.



Sound Walls

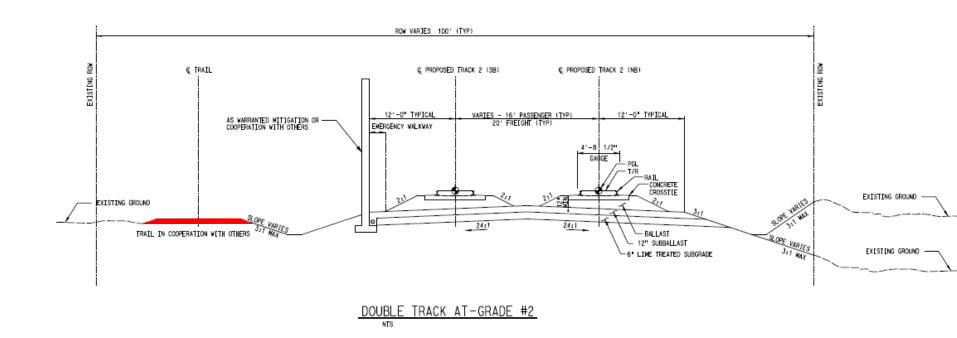


Sound Walls:

- Noise impact analysis will determine where walls are required.
- DART will work in cooperation with local jurisdictions for consideration of additional walls



Trails

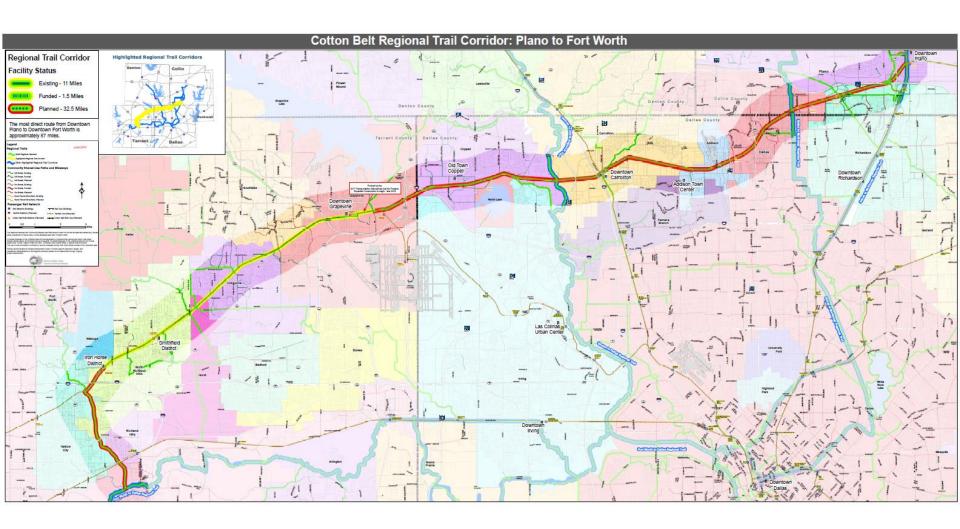


Trails:

 DART will work in cooperation with NCTCOG and local jurisdictions for implementation of trails along corridor



Cotton Belt Regional Trail (NCTCOG)





Open Houses

Monday, September 18, 2017, 6:30 p.m.

DeWitt Perry Middle School Cafeteria 1709 East Belt Line Road, Carrollton, TX 75006 (Parking and entrance off Warner Street)

Wednesday, September 20, 2017, 6:30 p.m.

Richardson Civic Center 411 West Arapaho Road, Richardson, TX 75080

Monday, September 25, 2017, 7:00 p.m.

Parkhill Junior High School Cafeteria 16500 Shady Bank Drive, Dallas, TX 75248





