



Trail Type:

Community Trail

Trail Length:

Approx. 10,564 Linear Feet
(2 miles)

Recommended Trail Width:

Varies. 12 feet / 5-6 feet
with a road shared bike lane.

Type of Surface:

Concrete

Recommended Features:

Signalized crossing and crosswalk, brick banding or striping, locator map, mile markers, benches, bicycle racks, litter receptacles, dog waste pickup stations, lighting, DART locator

Responsibility of Implementation:

City of Coppell - Parks & Recreation, Engineering

Trail Master Plan Appendix - Cotton Belt Trail crossing of LBJ Freeway

Trail Description:

Starting at the western limits of the City of Coppell, this portion of the trail is the beginning link of the city's Cotton Belt Trail section as it transitions from Grapevine. Closely following Wall St., the trail will go under the LBJ Freeway and follow along the Railroad right-of-way & future DART line until it reaches Coppell Rd. and turns south to connect into Southwestern Blvd. This segment should include a 12-foot wide concrete trail, for both walking and cycling, until it turns east on Southwestern Blvd. At this intersection, the trail would transition to a 5 - 6 foot existing sidewalk for pedestrians and an on road shared bike lane for cyclists.

Connectivity:

- Part of the larger Cotton Belt Trail and continues the multimodal regional Veloweb.
- Follows along the future DART rail line eventually connecting into the proposed Cypress Waters station.
- Provides connections to adjacent cities and other DART rail stations.
- Gives safe access to Pinkerton Elementary School and the growing residential developments in the area.
- Provides additional links between neighborhoods, open space, parks, and other city destinations.

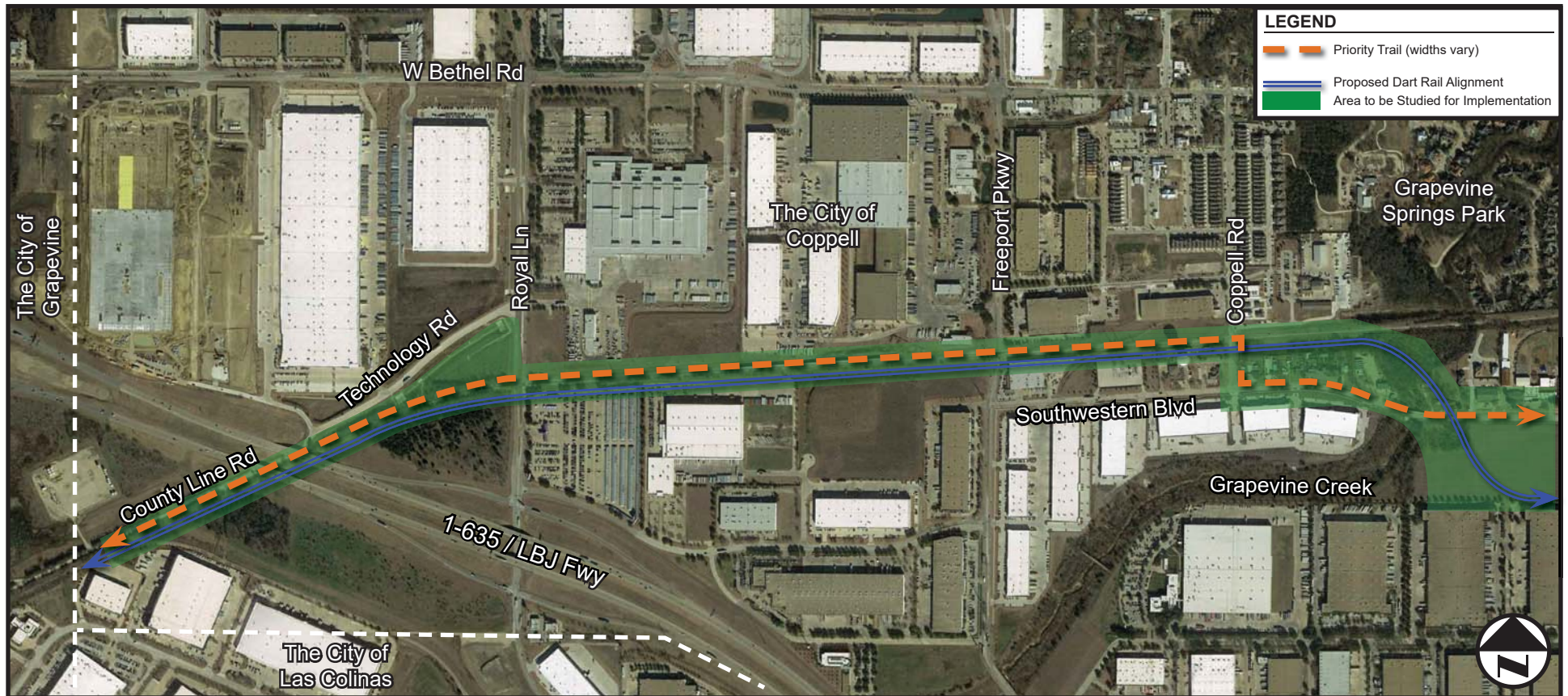
Evaluation of Opportunities:

- An existing easement and the existing stormwater infrastructure provide opportunities for a 12 foot wide trail.
- The area adjacent to the stormwater drainage structure, along the Railroad right-of-way, is relatively clear of trees and large obstacles.
- Existing trees and vegetation will provide a linear park feel along Technology Rd.
- Connection to the future DART rail station, Cypress Waters.
- Additional links from neighborhood sidewalks to the trail system.
- Wide drive lanes, an existing turning lane and sidewalk on Southwestern Blvd.

Evaluation of Constraints:

- A large stormwater drainage structure could reduce space available for trail alignments and creates potential for security and safety issues.
- Additional drainage connecting into the larger concrete stormwater (refer to images 1 and 3 on the following page).
- Existing overhead and underground utilities will need to be coordinated with provider.
- Additional railroad crossings as the trail goes through the industrial sites before reaching Freeport Pkwy.
- Several street crossings at Royal Ln. and Freeport Pkwy.
- Land acquisition to fit the trail in between properties and the Rail Road right-of-way.
- Coordination of trail alignment and the proposed DART rail alignment intersections.
- Restriping traffic lanes on Southwestern Blvd. to accommodate onroad shared bike lane.

Trail Master Plan Appendix - Cotton Belt crossing of LBJ Freeway





Trail Type:

Community Trail

Trail Length:

Approx. 7,150 Linear Feet
(1.4 miles)

Recommended Trail Width:

Varies. 5 - 6 feet with a road
shared bike lane / 12 feet

Type of Surface:

Concrete

Recommended Features:

Signalized crossing and crosswalk brick banding or striping, locator map, mile markers, benches, bicycle racks, litter receptacles, dog waste pickup stations, lighting, DART locator

Responsibility of Implementation:

City of Coppell - Parks & Recreation, Engineering

Trail Master Plan Appendix - Cotton Belt tie-in to future DART Station

Trail Description:

Continuing along Southwestern Blvd., this portion of the Cotton Belt will tie directly into the trail provided by the proposed DART Station, Cypress Waters. This trail addition will activate the sidewalks and commercial uses along S. Denton Tap Rd., connecting neighborhoods and businesses to the larger city trail network and DART rail systems. This segment utilizes sidewalks along Southwestern Blvd. and E. Belt Line Rd. in coordination with onroad bike lanes. When the trail turns south onto Sanders Loop, new 12 foot wide sidewalks will need to be provided.

Connectivity:

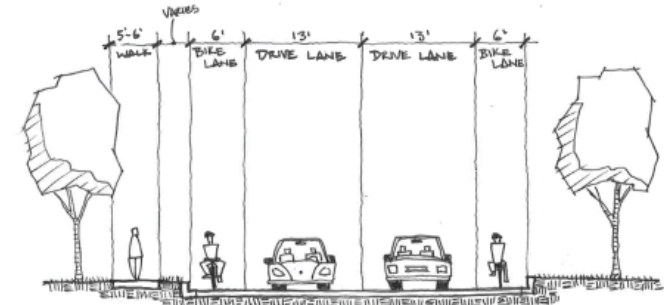
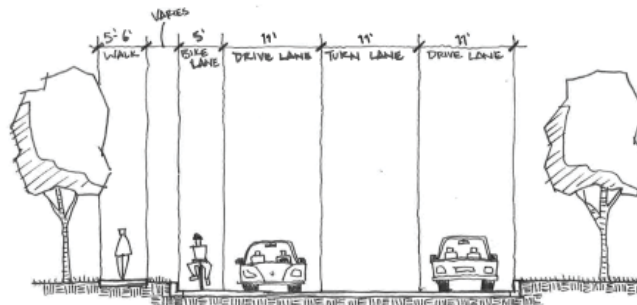
- Connection to the proposed Cypress Waters DART rail station.
- Connections to businesses and neighborhoods along S. Denton Tap utilizing existing sidewalks.
- Links to neighborhoods, open space, parks and other city destinations and amenities.

Evaluation of Opportunities:

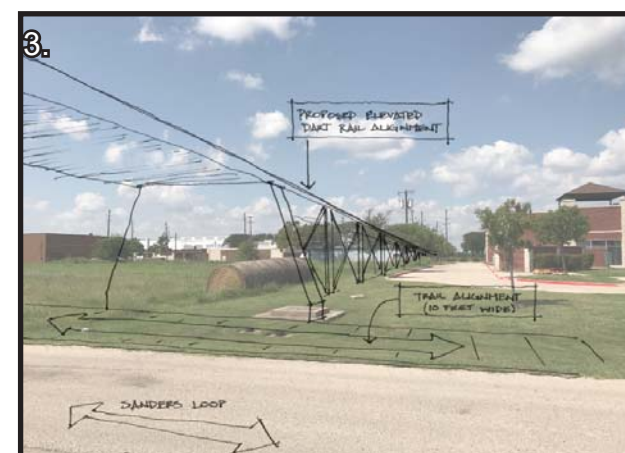
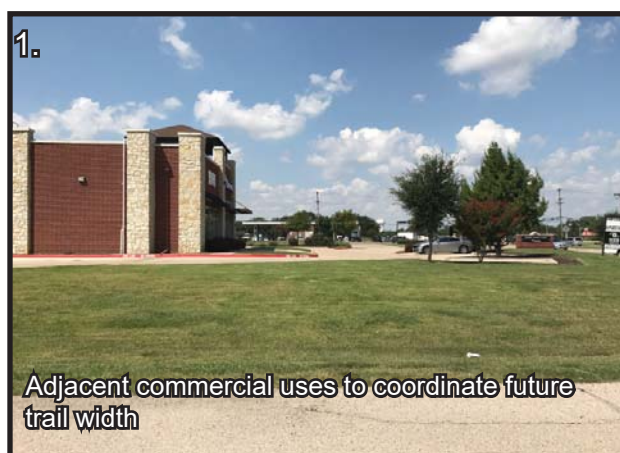
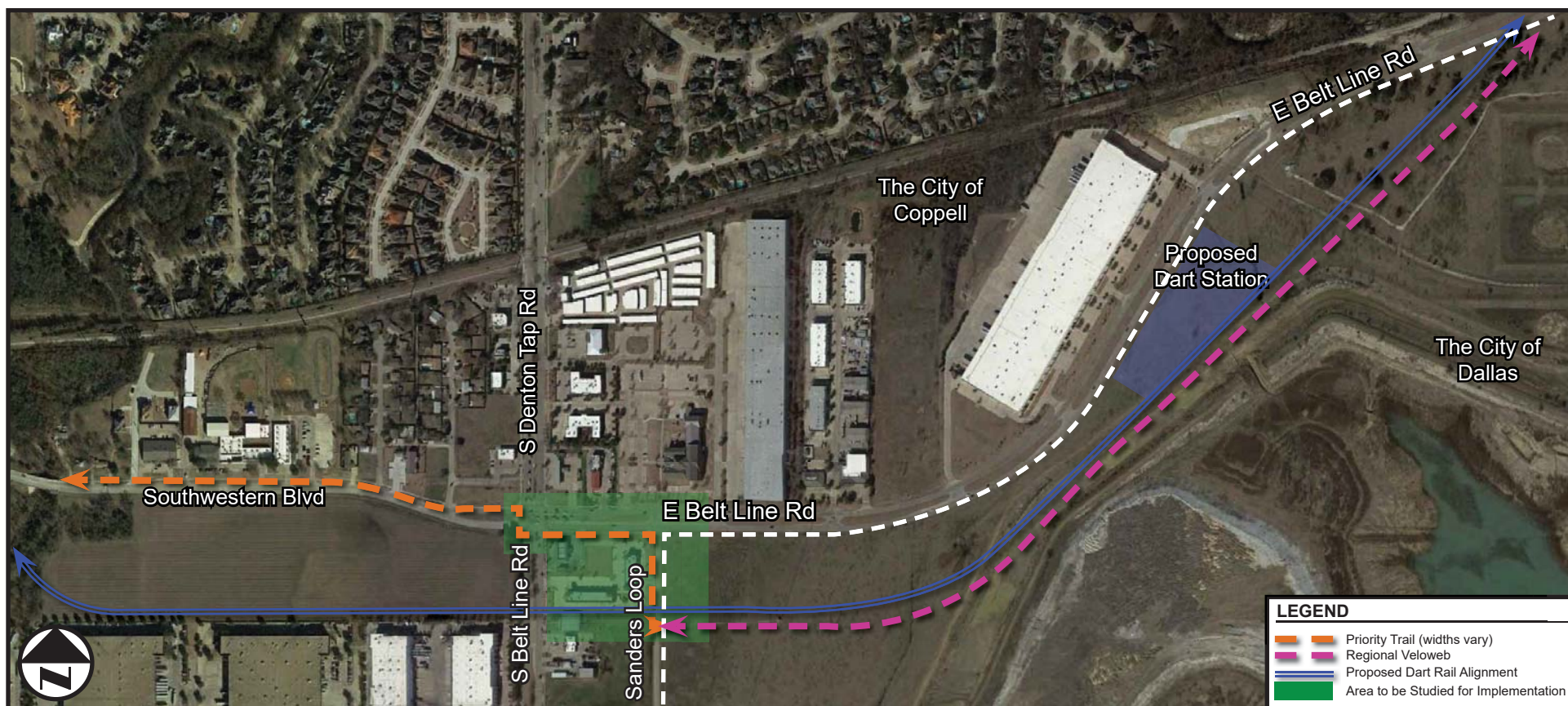
- Existing sidewalks along Southwestern Blvd. and E. Belt Line Rd.
- Wide drive lanes and existing turning lane on Southwestern Blvd.
- Existing enhanced street crossings and signals at S. Denton Tap & E. Belt Line Rd.
- Connection to the proposed DART station, Cypress Waters, and access to larger network of rail stations and trails.
- DART Rail alignment provides opportunities for an underpass without trail traffic conflicts.
- Trail connections to S. Denton Tap Rd. and Belt Line Rd. sidewalks provides access to a larger network of neighborhoods, commercial businesses, and restaurants.

Evaluation of Constraints:

- Coordination with neighborhood and commercial buildings to implement trail adjacent to property lines.
- Overhead utilities, fencing and North Lake infrastructures will need to be addressed as the trail crosses into the City of Dallas to provide space for the trail and DART Rail alignments.
- Major street crossings at S. Denton Tap Rd. and E. Belt Line Rd.
- Trail crossing with DART rail alignment will need to be coordinated to provide access to the proposed station.
- Separate bike and pedestrian trails due to available right-of-way.



Trail Master Plan Appendix - Cotton Belt tie-in to future DART Station





Trail Type:

Community Trail

Trail Length:

Approx. 5,410 Linear Feet
(1.02 miles)

Recommended Trail Width:

10-12 feet

Type of Surface:

Concrete

Recommended Features:

Signalized crossing and crosswalk brick banding or striping, locator map, mile markers, benches, bicycle racks, litter receptacles, dog waste pickup stations, lighting, DART locator

Responsibility of Implementation:

City of Coppell - Parks & Recreation, Engineering

Trail Master Plan Appendix - Cotton Belt tie-in to future DART Station

Trail Description:

Picking up where the proposed Cypress Waters DART rail station trail ends, this segment of the Cotton Belt continues the alignments on page I4 and provides access to the proposed DART station from the east side of Coppell. A Bridge crossing will be required at Grapevine Creek and the width of trail may be limited near the creek due potential to grading constraints. After crossing the bridge to the east, an enhanced traffic signal crossing that leads north to the Grapevine Creek trail. The trail will continue east to connect into the city's MacArthur trail and city trail network.

Connectivity:

- Access to the proposed DART station, Cypress Waters, from east Coppell.
- Trail link to Grapevine Creek Trail.
- Bridge crossing at Grapevine Creek provides new pedestrian access into the City of Dallas.
- Connection to future Campion Trail alignment.

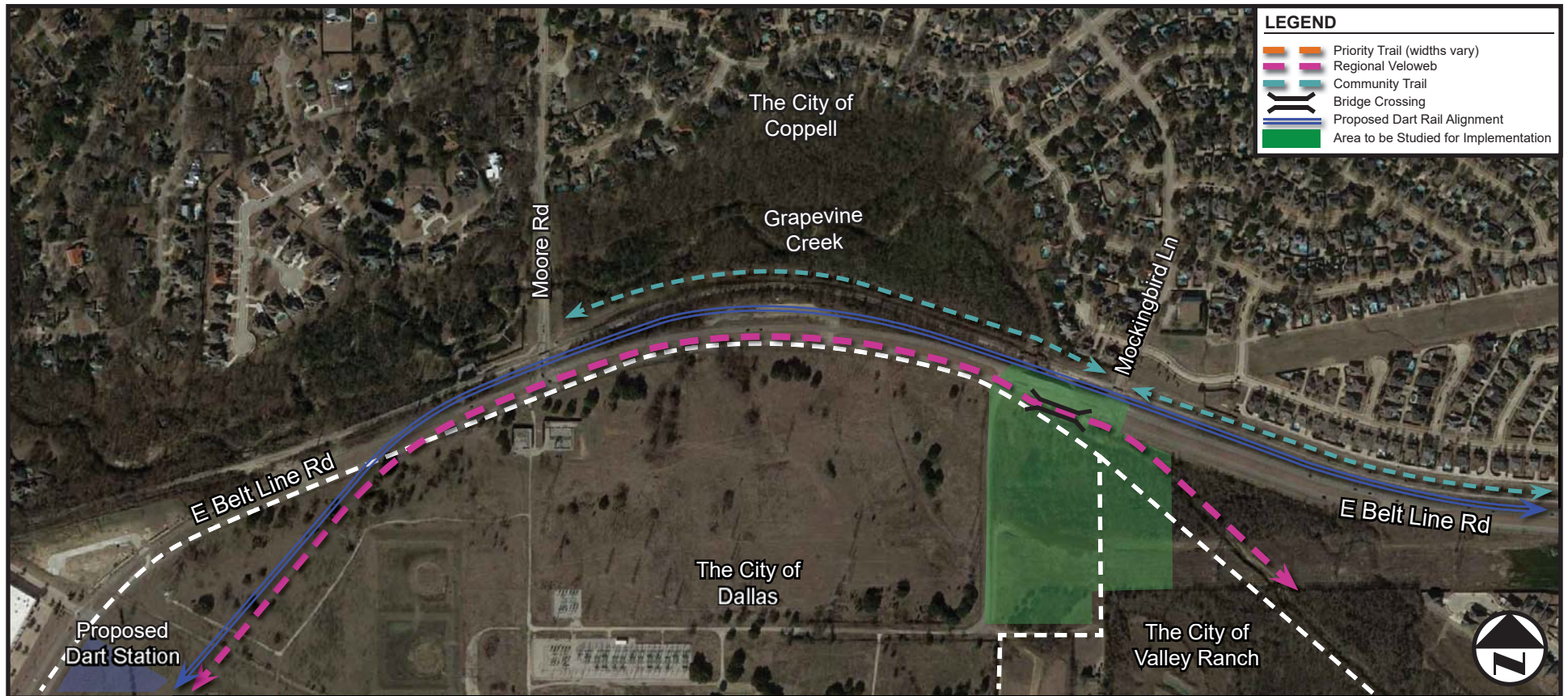
Evaluation of Opportunities:

- Existing enhanced pedestrian crosswalks and signals on E. Belt Line Rd. can be utilized for further connectivity to trails and neighborhoods.
- Bridge crossing at Grapevine Creek introduces pedestrian access opportunities for neighborhoods on either side of E. Belt Line Rd.
- The setting along Grapevine Creek and the proposed bridge crossing provides a natural trail environment with large existing trees and an opportunity to see a riparian ecosystem.
- Connection of intersecting trail alignments in Dallas and Coppell.
- Adjacent to residential neighborhoods north of E. Belt Line Rd.

Evaluation of Constraints:

- A bridge is required for the crossing of Grapevine Creek on the south side of E. Belt Line Rd.
- This trail segment will need to be coordinated with Dallas County, City of Dallas, and DART.
- Large existing overhead utilities are present and coordination will be needed with utility provider.
- Steep grades due to the proposed trail's proximity to Grapevine Creek.
- Grading and earthwork within the creek's watershed may need to be evaluated and require further studies.

Trail Master Plan Appendix - Cotton Belt tie-in to future DART Station





Trail Type:

Community Trail

Trail Length:

Approx. 2,170 Linear Feet
(0.41 miles)

Recommended Trail Width:

10-12 feet

Type of Surface:

Concrete

Recommended Features:

Signalized crossing and crosswalk brick banding or striping, locator map, mile markers, benches, bicycle racks, litter receptacles, dog waste pickup stations, lighting, DART locator

Responsibility of Implementation:

City of Coppell - Parks & Recreation, Engineering

Trail Master Plan Appendix - Alt. Connection from MacArthur Trail to Cotton Belt

Trail Description:

Located on the eastern side of the city, this community trail will provide connectivity to both the MacArthur trail and the larger regional Cotton Belt Trail along E. Belt Line Rd. A 10-12 foot trail route will be established within a major utility easement that provides a buffer between a single family residential neighborhood and a retail/commercial development. Following the utility easement's orientation, the trail will use the wide corridor to meander around the existing utility towers and established vegetation. The trail will cross a utility maintenance road as well as an emergency access road that connects the adjacent residential neighborhood to the retail development.

Connectivity:

- Linking MacArthur Trail to the Cotton Belt Trail would extend access further south and connect to the Regional Veloweb.
- Will activate connections to existing neighborhoods and further the city's trail network.
- A direct route will be created from the MacArthur Trail to the proposed DART station.

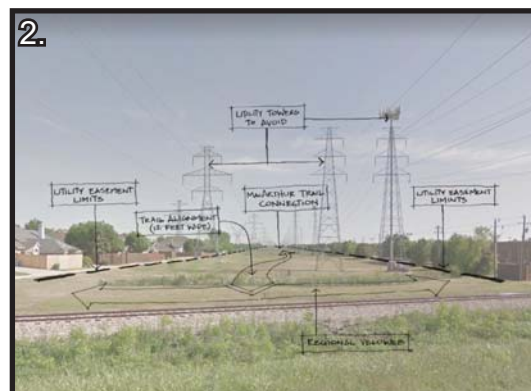
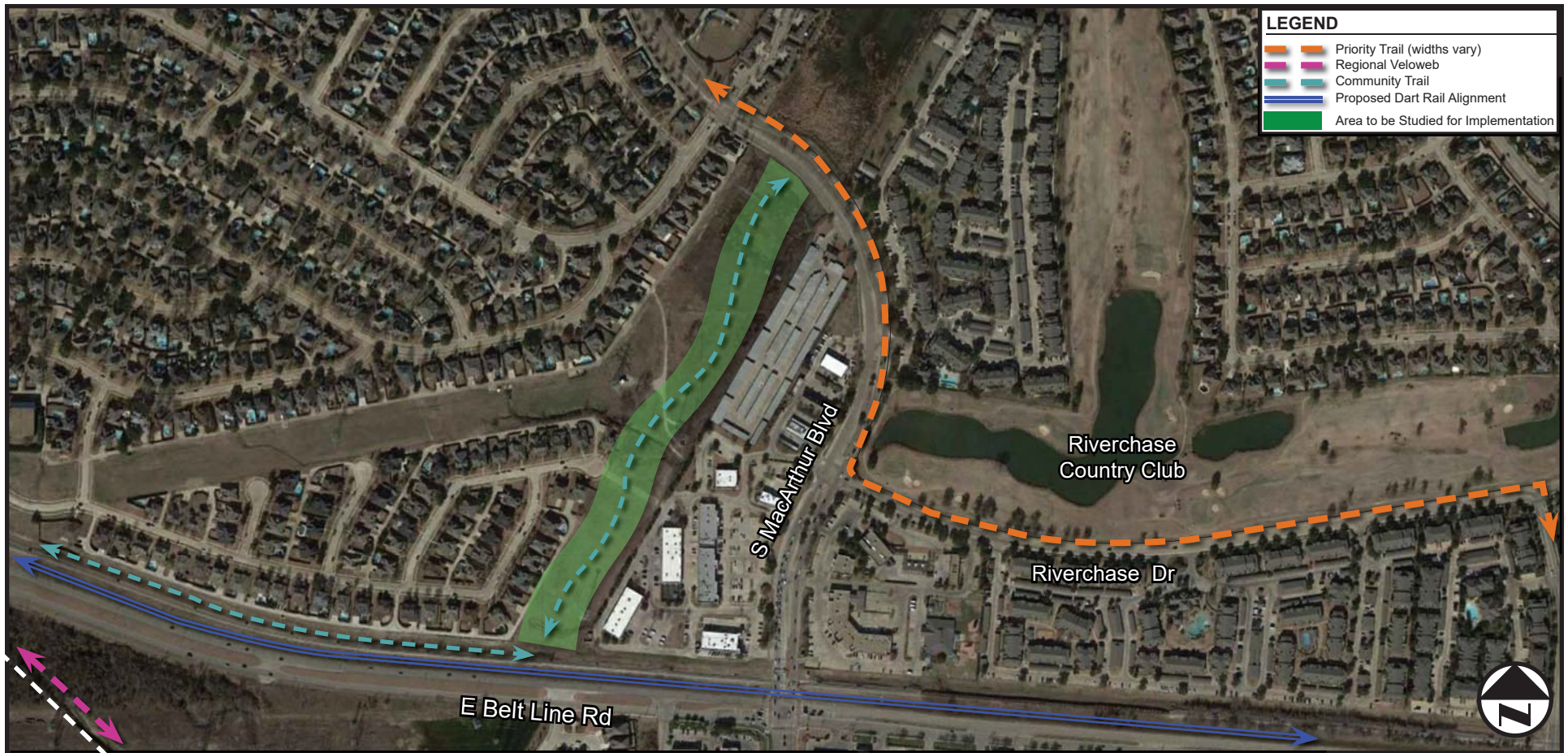
Evaluation of Opportunities:

- Takes advantage of the space available within the utility easement.
- Creates a shortcut from the MacArthur trail to the Regional Veloweb.
- A park-like setting can be established by implementing a trail that meanders through existing vegetation in the easement.

Evaluation of Constraints:

- Along MacArthur Blvd. drainage issues will need to be resolved to prevent flooding of the trail.
- Coordination with utility companies will be required to implement a continuous trail throughout the utility easement.
- Potential conflicts with the rail alignment and existing underground or overhead utilities.
- Utility towers may require additional access security and buffer areas.
- A pedestrian crossing is required at the emergency access road that connects the retail development and residential neighborhood.

Trail Master Plan Appendix - Alt. Connection from MacArthur Trail to Cotton Belt





Trail Type:

Community Trail

Trail Length:

Approx. 5,230 Linear Feet
(.99 miles)

Recommended Trail Width:

Varies. 10-12 feet / 5 feet
with a road shared bike lane

Type of Surface:

Concrete

Recommended Features:

Signalized crossing and crosswalk brick banding or striping, locator map, mile markers, benches, bicycle racks, litter receptacles, dog waste pickup stations, lighting, DART locator

Responsibility of Implementation:

City of Coppell - Parks & Recreation, Engineering

Trail Master Plan Appendix - MacArthur Blvd. Trail tie-in to the Cotton Belt

Trail Description:

Located on the eastern side of the city, adjacent to the Riverchase Golf Course, this trail will connect the city's proposed MacArthur trail to the larger regional Cotton Belt Trail. A 10-12 foot trail route on the east side of MacArthur will be maintained until it turns east on Riverchase Dr. From here, the trail will continue along the north side of Riverchase Dr. Due to the existing width of the road, the trail will be onroad. This option would limit on-street parking to one side of the road, or the trail could be a 5 foot sidewalk and a 6 foot shared road bike lane allowing for parking on two sides of the street. As the trail goes east, it will stay on the north side of E. Belt Line Rd., eliminating a need for a street crossing. Existing enhanced crosswalks will allow for connectivity to the south of E. Belt Line Rd.

Connectivity:

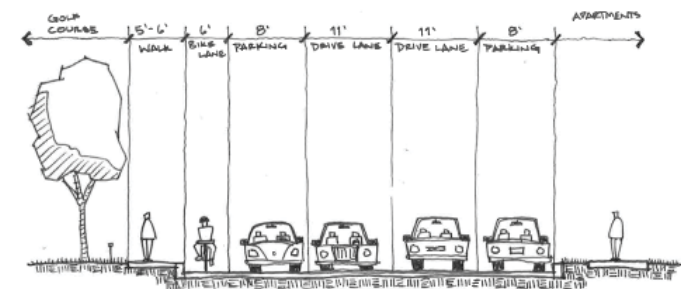
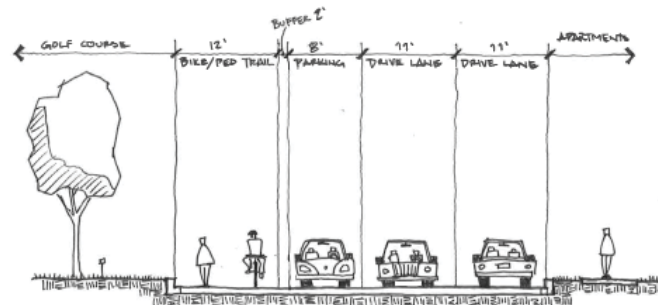
- Linking MacArthur Trail to the Cotton Belt Trail extends access further south and connects to the Regional Veloweb.
- Activate connections to existing neighborhoods and further the city's trail network.
- Allow for the much larger DART rail connections.

Evaluation of Opportunities:

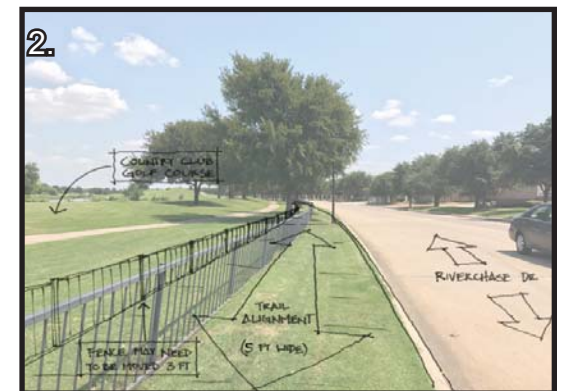
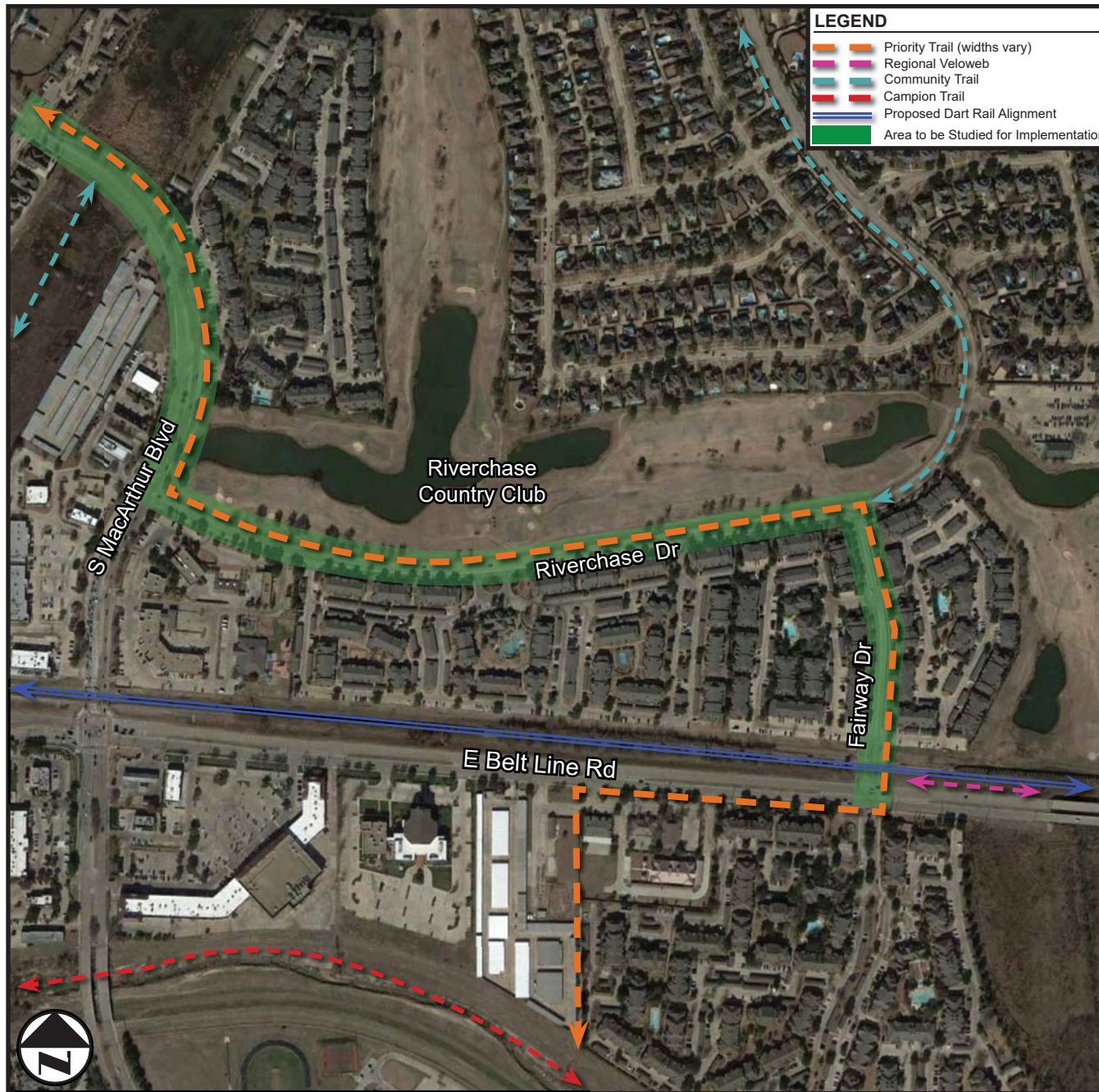
- Links the neighborhoods of Northeast and Southeast Coppell.
- Utilizes the space available adjacent to the golf course.
- Wide drive lanes and street parking allow for a pedestrian trail and a shared road bike lane on Riverchase Dr.
- Existing street crosswalks and signals would allow access to the trail on both side of E. Belt Line Rd.

Evaluation of Constraints:

- Coordination will be required with neighboring apartment complexes to create space for a 10-12 foot wide trail along MacArthur Blvd.
- Coordination with the country club and apartments will be required to implement the shared bike lane and potential 5 foot crosswalk along Riverchase Dr.
- A street crossing is required at the intersection of Riverchase Dr. and Fairway Dr.
- The trail is proposed to cross the existing rail alignment.



Trail Master Plan Appendix - MacArthur Blvd. trail tie-in to the Cotton Belt



Trail Master Plan Appendix - Cotton Belt connection to Campion Trail



Trail Type:

Community Trail

Trail Length:

Approx. 3,215 Linear Feet
(.61 miles)

Recommended Trail Width:

10-12 feet

Type of Surface:

Concrete

Recommended Features:

Signalized crossing and crosswalk brick banding or striping, locator map, mile markers, benches, bicycle racks, litter receptacles, dog waste pickup stations, lighting, DART locator

Responsibility of Implementation:

City of Coppell - Parks & Recreation, Engineering

Trail Description:

This segment of the trail goes to the eastern edge of the city to connect the City of Carrollton while crossing over the Elm Fork Trinity River and linking to the regional Campion Trail. Continuing on the north side of E. Belt Line Rd., this segment will run south of the railroad right-of-way. There is approximately 80 feet between the center of the railroad tracks and the curb along E. Belt Line Rd. allowing for a 12 foot wide trail. This portion of the trail crosses over a drainage channel and the Elm Fork of the Trinity.

Connectivity:

- A link to Carrollton provides trail access for both Coppell and Carrollton. Provides access to available amenities for citizens.
- This segment of the trail completes Coppell's larger regional Cotton Belt Trail connection within North Central Texas.
- Connects a segment of the Regional Veloweb,
- The bridge at the Elm Fork of the Trinity River will allow for new pedestrian connections and crossings otherwise unavailable.

Evaluation of Opportunities:

- A large right-of-way between the back of curb on Belt Line & the railroad track.
- Connections to large sports complexes on the east side of Coppell and the west side of Carrollton.
- Providing a connection to the City of Carrollton otherwise not permitted by the Elm Fork of the Trinity.
- Existing trees and vegetation along a portion of the proposed trail.
- No street crossings required.

Evaluation of Constraints:

- Elevated trails and bridges will need to be considered as the trail crosses a large drainage pathway and the Elm Fork Trinity River.
- Significant grading may be required to work with the drainage patterns along this stretch.
- Coordination with the City of Carrollton will be required for the implementation of the Elm Fork Trinity River crossing.
- Coordination with property owners and DART to provide safe vehicular and trail crossings at the rail and drive approaches.
- Conflicts with utilities and a potential gas line will need to be coordinated with the provider.

Trail Master Plan Appendix - Cotton Belt Trail to Campion Trail

