



Arterial Corridor Reports Briefing

Comprehensive Planning and Transportation Committee June 2, 2014



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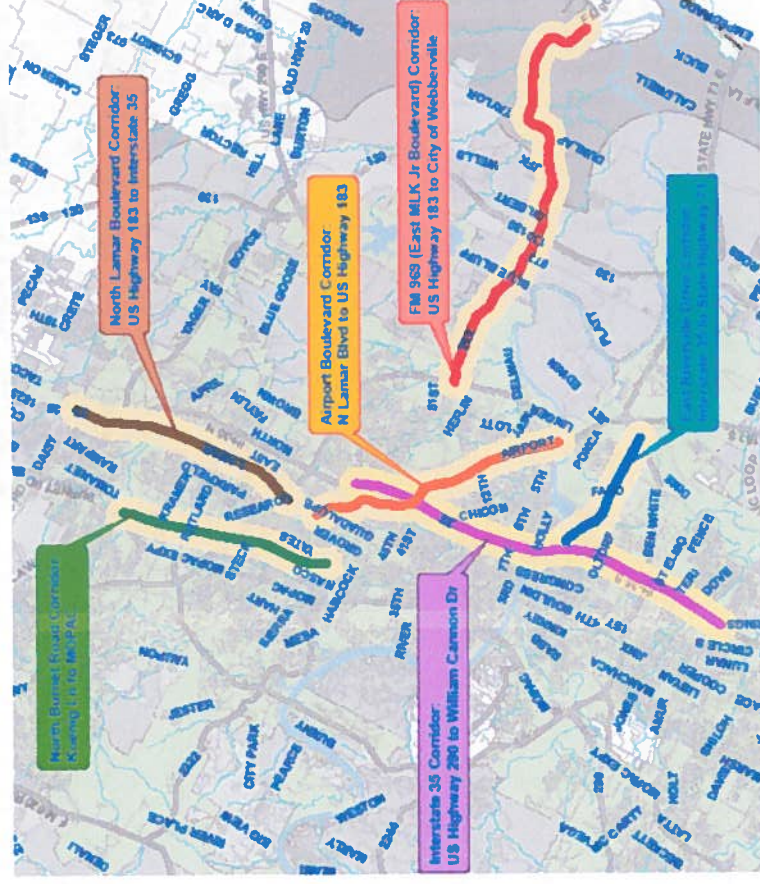
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Corridors Analyzed

Established by the 2010 Mobility Bond



Airport Blvd
N. Lamar Blvd
Burnet Road
FM 969
Riverside Drive

Design multi-modal corridors for auto, transit, bike and pedestrians



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Corridor Development Program

- Purpose
 - Identify roadway needs
 - Develop a multi-modal transportation system
 - Support mixed use, pedestrian, transit, and bicycle friendly development patterns
 - Establish a vision, plan, and implementation plan for improvements
 - Identify short, medium, and long term projects
 - Improve safety
 - Increase vehicular, pedestrian and bicycle mobility
 - Improve quality of life along the corridors



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Corridor Development Program

- Process for each corridor included
 - A comprehensive Public Involvement component
 - Analyzing each corridor to identify key issues and needs
 - Defining or building on the community vision for the corridor
 - Land use and urban design recommendations to improve function and appearance of the built environment
 - Transportation analysis and recommendations for creating a safe, multi-modal, transit-supportive corridor,
 - Identification of improvements for better circulation or connectivity.
 - Identification of infrastructure improvements that would be required to implement the plan.



Corridor Development Program

- Process (continued)
 - Defining and prioritizing short-term solutions (typically those that can be implemented in the existing rights-of-way). These could include changes to intersections, medians, parking, signals, sidewalks and bike lanes, transit service, and more.
 - Designing, costing out and evaluating medium-term solutions, generally involving redesigning and rebuilding the current roadway.
 - Identifying and recommending long-term solutions, including changes to ordinances and policies, land-use planning, and improved ways to manage traffic and mobility.



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Corridor Development Program

- Corridor Details
 - Airport Boulevard
 - North Lamar Boulevard / Burnet Road
 - FM 969
 - Riverside Drive



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Corridor Details

- Airport Boulevard
 - Short Term Improvements
 - Focus on intersection improvements
 - Low cost solutions within the existing right-of-way
 - Provide for the efficient movement of all users along and across the corridor
 - Examples include
 - Installation of pedestrian hybrid beacons
 - Installation of new traffic signals
 - Add turn lanes at various intersections
 - Provide sidewalks corridor-wide



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Corridor Details

- Airport Boulevard
 - Short Term Improvements
 - Conduct preliminary and final design for two segments of Airport Boulevard to serve as pilot projects for the remainder of the corridor
 - Section near Highland Mall
 - Section from 46th to Wilshire/Aldrich
 - Medium Term Improvements
 - Design the remaining sections of the corridor
 - Construct the pilot projects designed as part of the short term recommendations
 - Long Term Improvements
 - Construct the entire multi-modal corridor in conjunction of the overall vision.



Corridor Details

- Airport Boulevard
 - Regional Recommendations
 - Recommendations to improve regional mobility
 - Relocate existing rail station at Highland Mall Blvd to be directly across from the Highland Mall Redevelopment.



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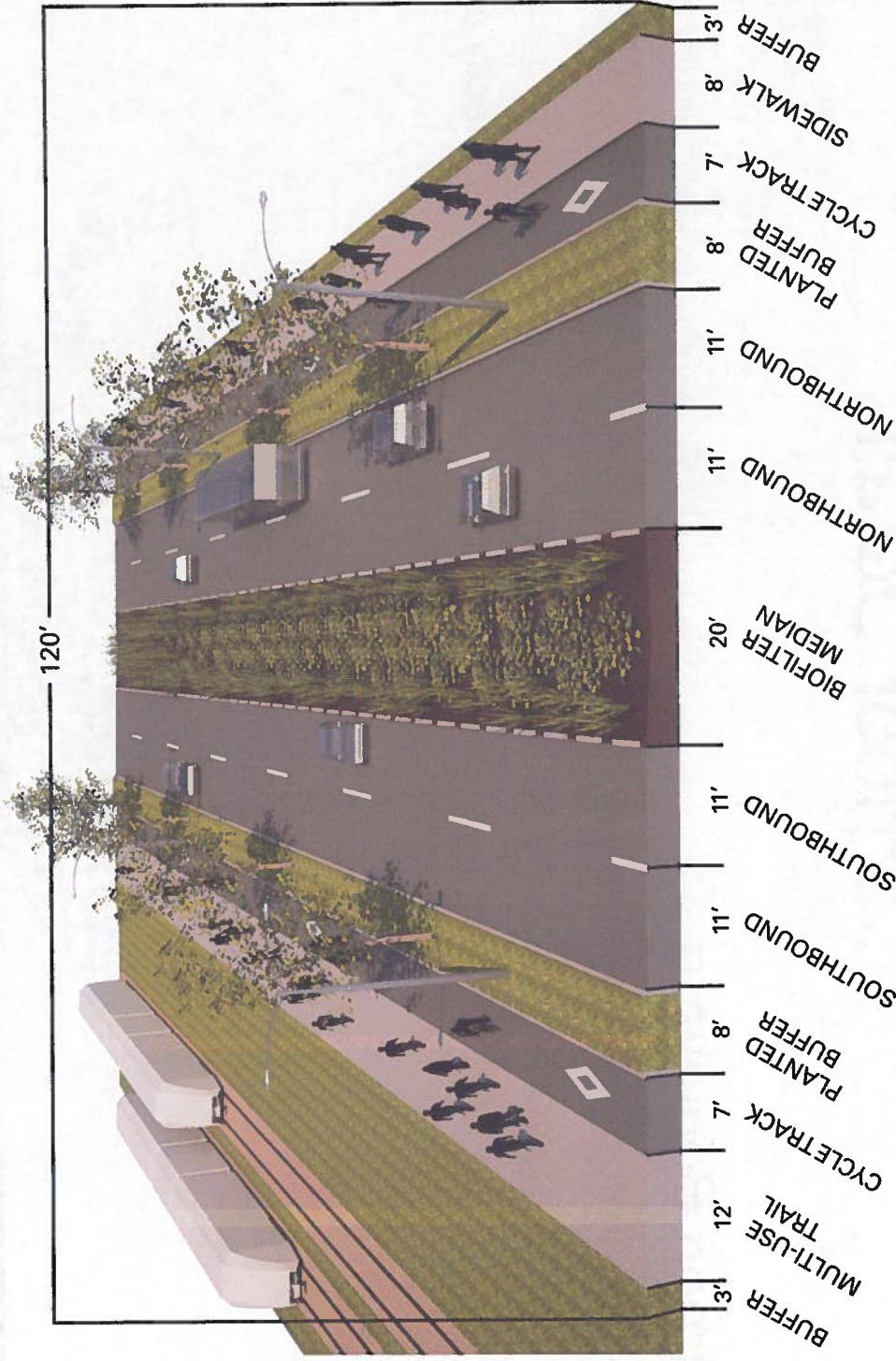
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Airport Blvd - Long Term Improvement

Various Sections Between Lamar and I-35



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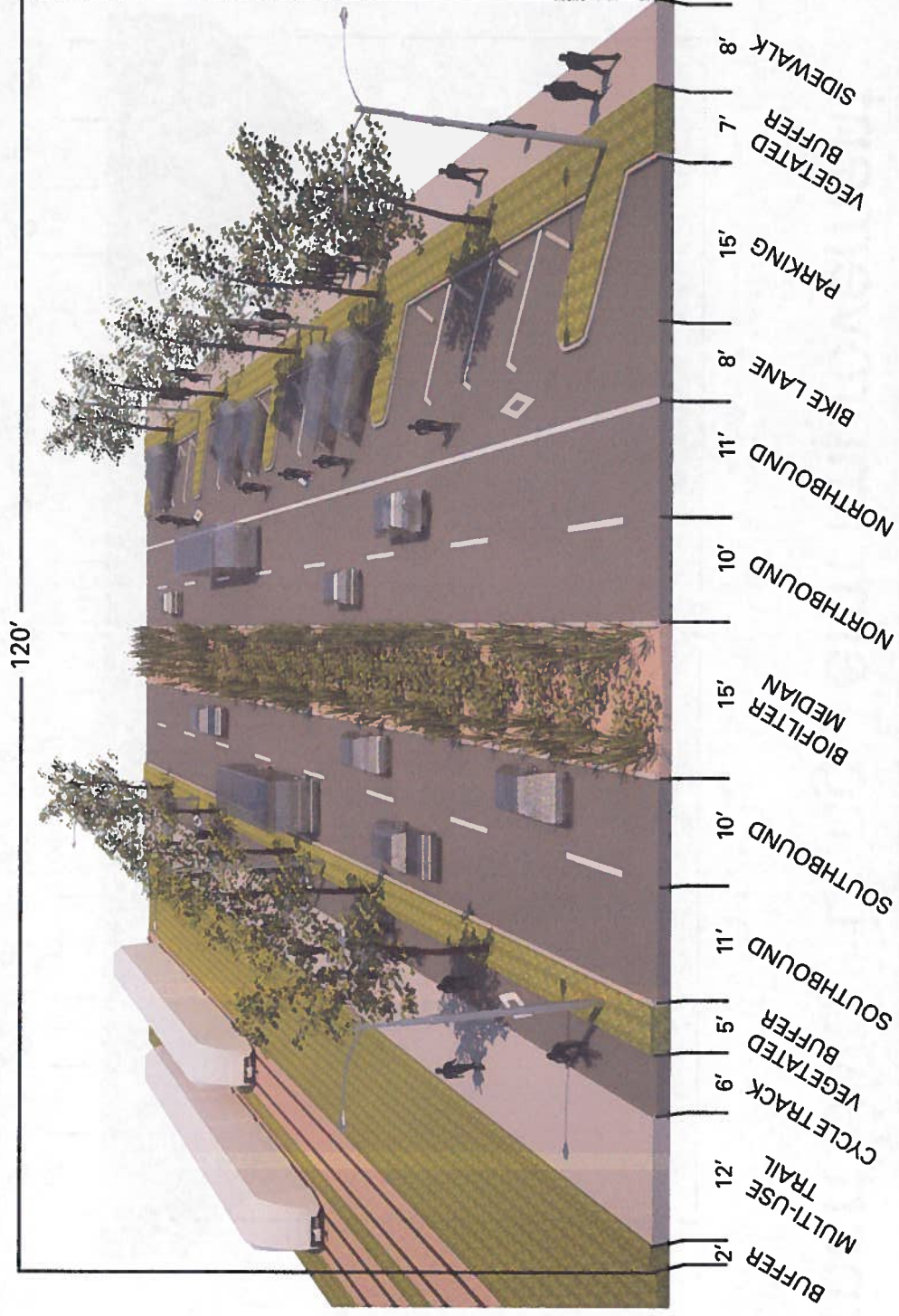
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Airport Blvd - Long Term Improvement

Between 53rd and 47th



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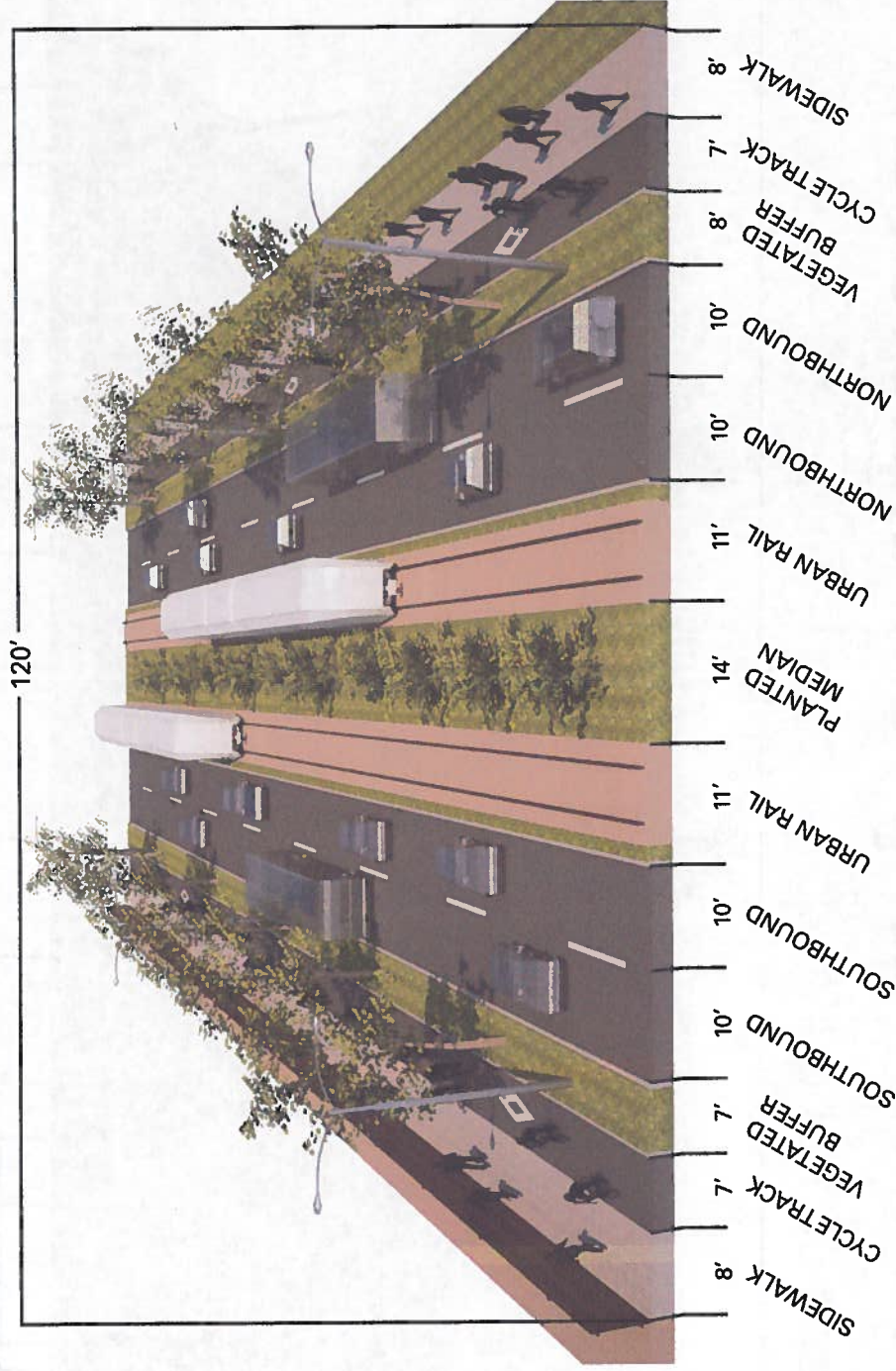
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Airport Blvd - Long Term Improvement

Between I-35 and Aldrich



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— North Lamar Boulevard / Burnet Road

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Corridor Details

- North Lamar Boulevard / Burnet Road
 - Short Term Improvements
 - Focus on intersection improvements
 - Low cost solutions within the existing right-of-way
 - Provide for the efficient movement of all users along and across the corridor
 - Examples include
 - Installation of pedestrian hybrid beacons
 - Installation of new traffic signals
 - Add turn lanes at various intersections
 - Provide sidewalks corridor-wide
 - Improve bus shelters



Corridor Details

- North Lamar Boulevard / Burnet Road
 - Short Term Improvements
 - Design and construct final design option for two roadway segments to serve as pilot projects for the remainder of the corridor
 - North Lamar from Rundberg Lane to Braker Lane
 - Burnet Road from Koenig Lane to Anderson Lane
 - Long Term Improvements
 - Construct the entire multi-modal corridor in conjunction of the overall vision.



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Lamar Boulevard Improvements



Reconstruction: Rundberg Lane to Braker Lane



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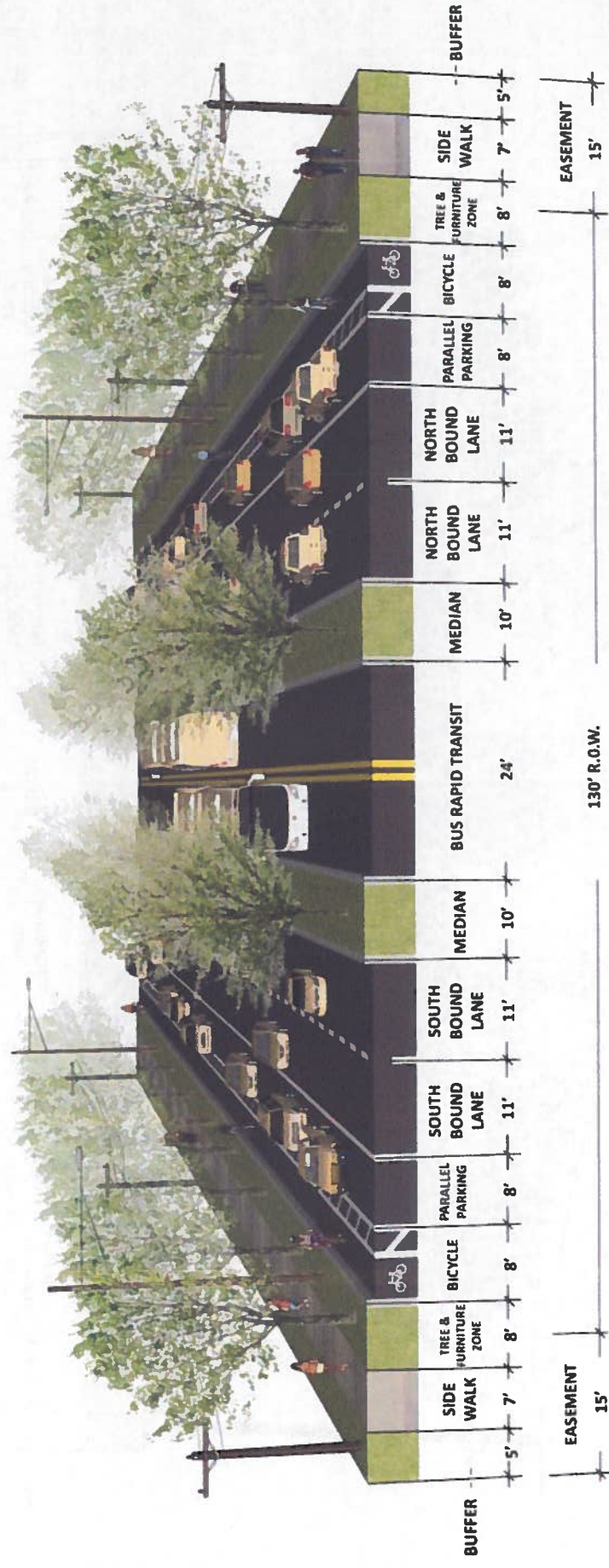


Burnet Road Improvements



Reconstruction: Koenig Lane to Anderson Lane

Burnet Road Long Term Projects



Braker Lane to MoPac



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Corridor Development Program

- Corridor Details
 - Airport Boulevard
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 - **FM 969**
 - Riverside Drive



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Corridor Details

- FM 969
 - Short Term Improvements
 - Focus on bicycles, pedestrians, and intersection safety
 - Low cost solutions within the existing right-of-way
 - Provide for the efficient movement of all users along and across the corridor
 - Examples include
 - Providing bicycle lanes and shared use paths
 - Installation of new traffic signals
 - Providing sidewalks



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Corridor Details

- FM 969
 - Interim Long Term Improvements
 - Design and construct FM 969 in accordance with the Pass Through Finance agreement between Travis County and TXDOT
 - Long Term Improvements
 - Construct the entire multi-modal corridor in conjunction of the overall vision.



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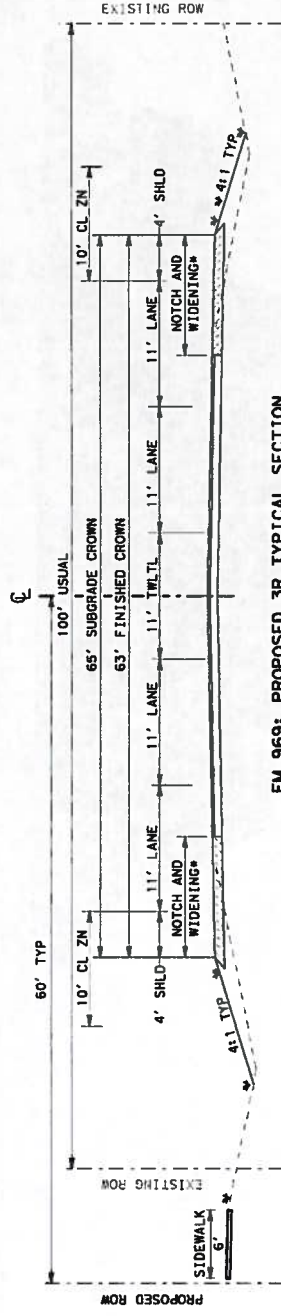


US 183 to Decker Lane



FM 969 Interim Long Term Improvements

Pass Through Financing Typical Sections

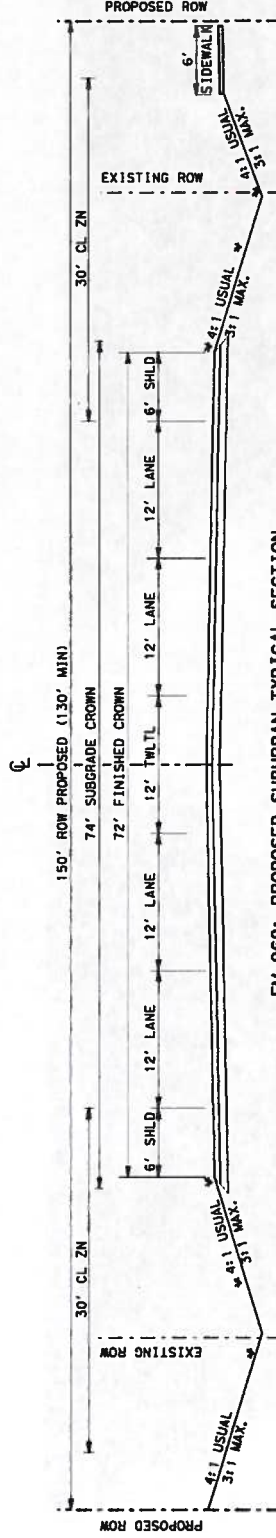


FM 969: PROPOSED 3R TYPICAL SECTION

PHASE 1: FROM PARK AT WOODLANDS DR. TO FM 973
(TIE INTO EXISTING FM 973 INTERSECTION AND
ADD DECELERATION/ACCELERATION LANES)

ESTIMATE ASSUMES:

- NOTCH AND WIDEN
- APPROXIMATELY 10.5' TYPICAL
- WIDENING ON EACH SIDE



FM 969: PROPOSED SUBURBAN TYPICAL SECTION

PHASE 2: FROM FM 973 TO HUNTERS BEND RD.
(TIE INTO EXISTING FM 973 INTERSECTION)
(TIE INTO EXISTING SH 130 INTERSECTION)
(TIE INTO HUNTERS BEND RD. EXISTING TYPICAL SECTION)

ESTIMATE ASSUMES:

- FULL WIDTH RECONSTRUCTION IN VICINITY OF GILBERT LN.
- SHIFT CENTERLINE WITH RECONSTRUCTION FROM WEST OF HOUND DOG TR. TO HUNTERS BEND RD.
- NOTCH AND WIDEN ELSEWHERE

FM 969

TYPICAL SECTION

SCALE: 1" = 10'

PROJECT	FM 969
DATE	11/18/11
DESIGNED BY	TRAVIS
CHECKED BY	TRAVIS
IN CHARGE	TRAVIS
APPROVED BY	TRAVIS
DATE	11/18/11
PROJECT	FM 969



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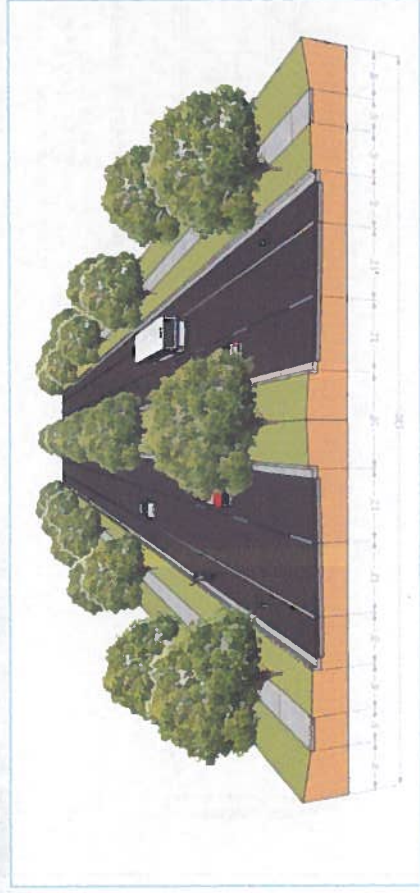
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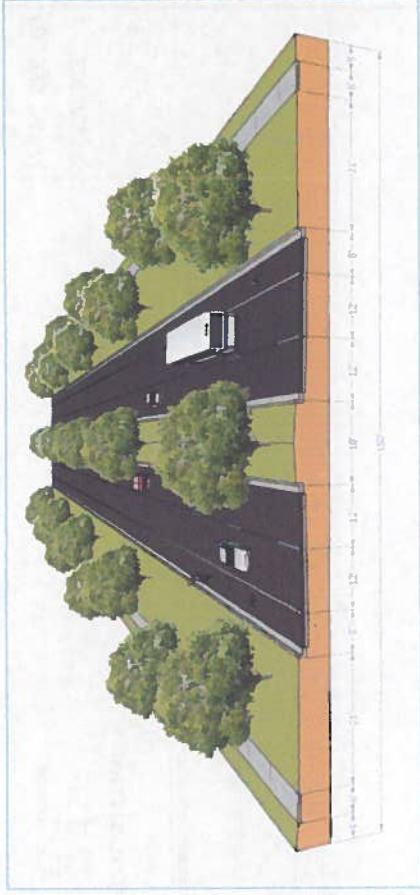


FM 969 Long Term Improvements

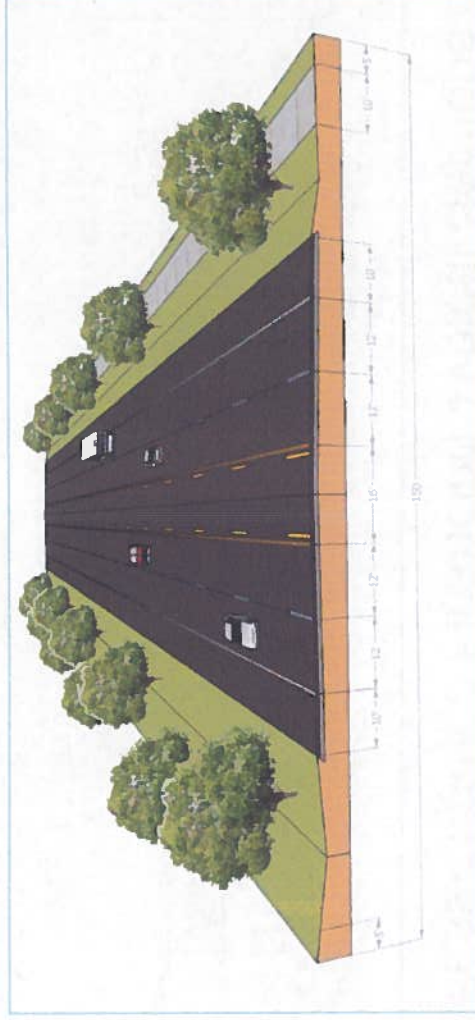
Decker Lane to Webberville



Decker Lane to FM 973



FM 973 to Dunlap



Dunlap to Webberville



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Corridor Details

- **Riverside Drive**
 - Short Term Improvements
 - Focus on intersection improvements
 - Low cost solutions within the existing right-of-way
 - Provide for the efficient movement of all users along and across the corridor
 - Examples include
 - Lane reconfigurations
 - Installation of new traffic signals
 - Add turn lanes at various intersections
 - Provide sidewalks corridor-wide
 - Bicycle lanes and markings on cross streets



Corridor Details

- Riverside Drive
 - Long Term Improvements
 - Center Running High Capacity Transit
 - 7 to 8-foot buffered cycle tracks
 - 15-foot wide sidewalk area per Riverside Drive Regulating Plan
 - Pedestrian hybrid beacons
 - Landscaping along medians and sidewalks



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Corridor Details

- Riverside Drive
 - Long Term Improvements
 - Center Running High Capacity Transit
 - Travel lanes reduced from 3 lanes to 2 lanes
 - Traffic modeling shows acceptable vehicular mobility
 - VISSIM and SYNCHRO used for analysis
 - Critical intersections identified
 - » IH-35
 - » SH 71
 - No reduction in number of vehicular travel lanes on Riverside Drive at the critical intersections of IH-35 and SH 71



Riverside Drive Short Term Improvements

Lane Reconfiguration at Pleasant Valley

“Before”



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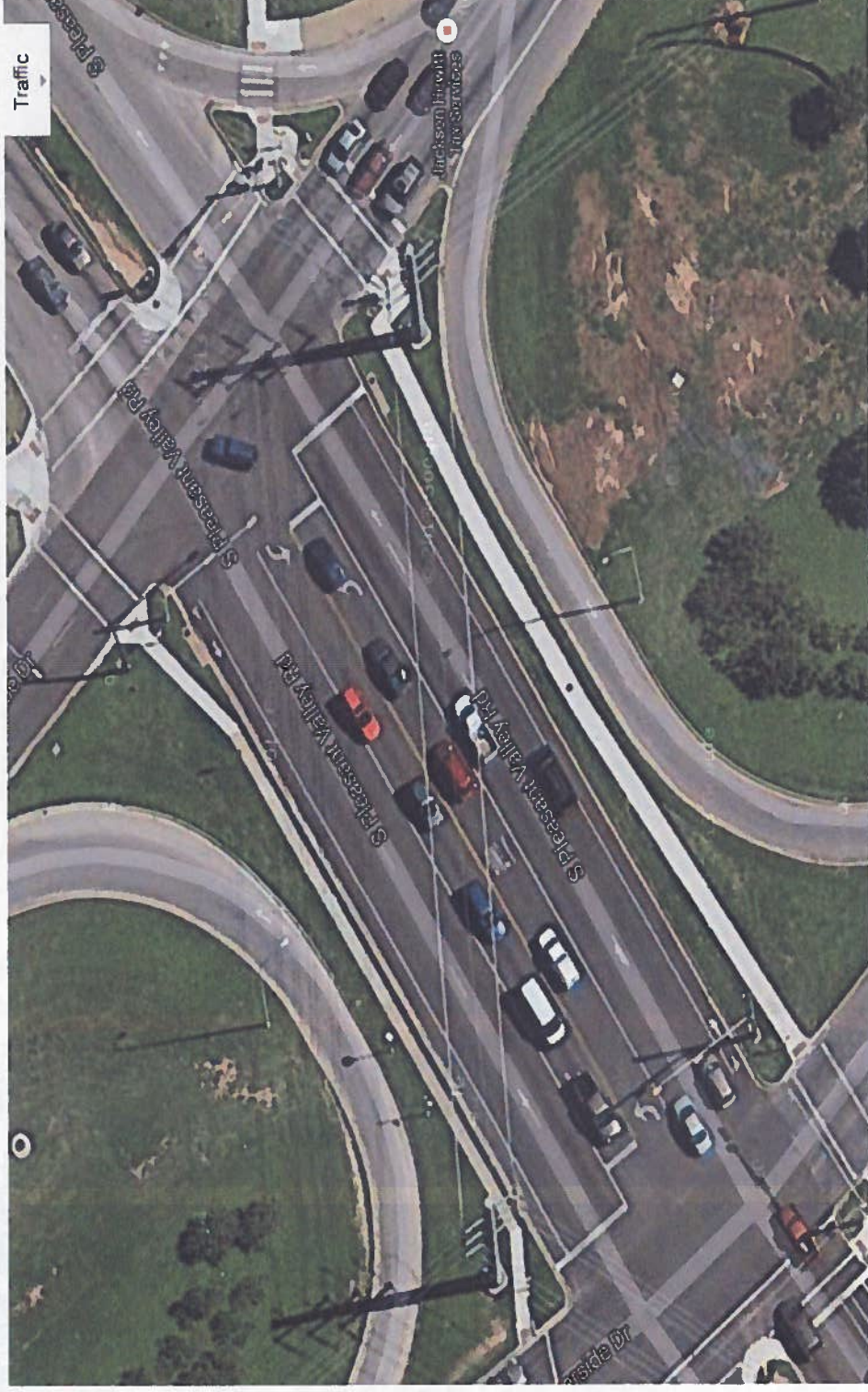
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Riverside Drive Short Term Improvements

Lane Reconfiguration at Pleasant Valley

“After”



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Riverside Drive Short Term Improvements

Pedestrian crossing west of Pleasant Valley
“Before”



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Riverside Drive Short Term Improvements

Pedestrian Hybrid Beacon and sidewalk west of Pleasant Valley
“After”



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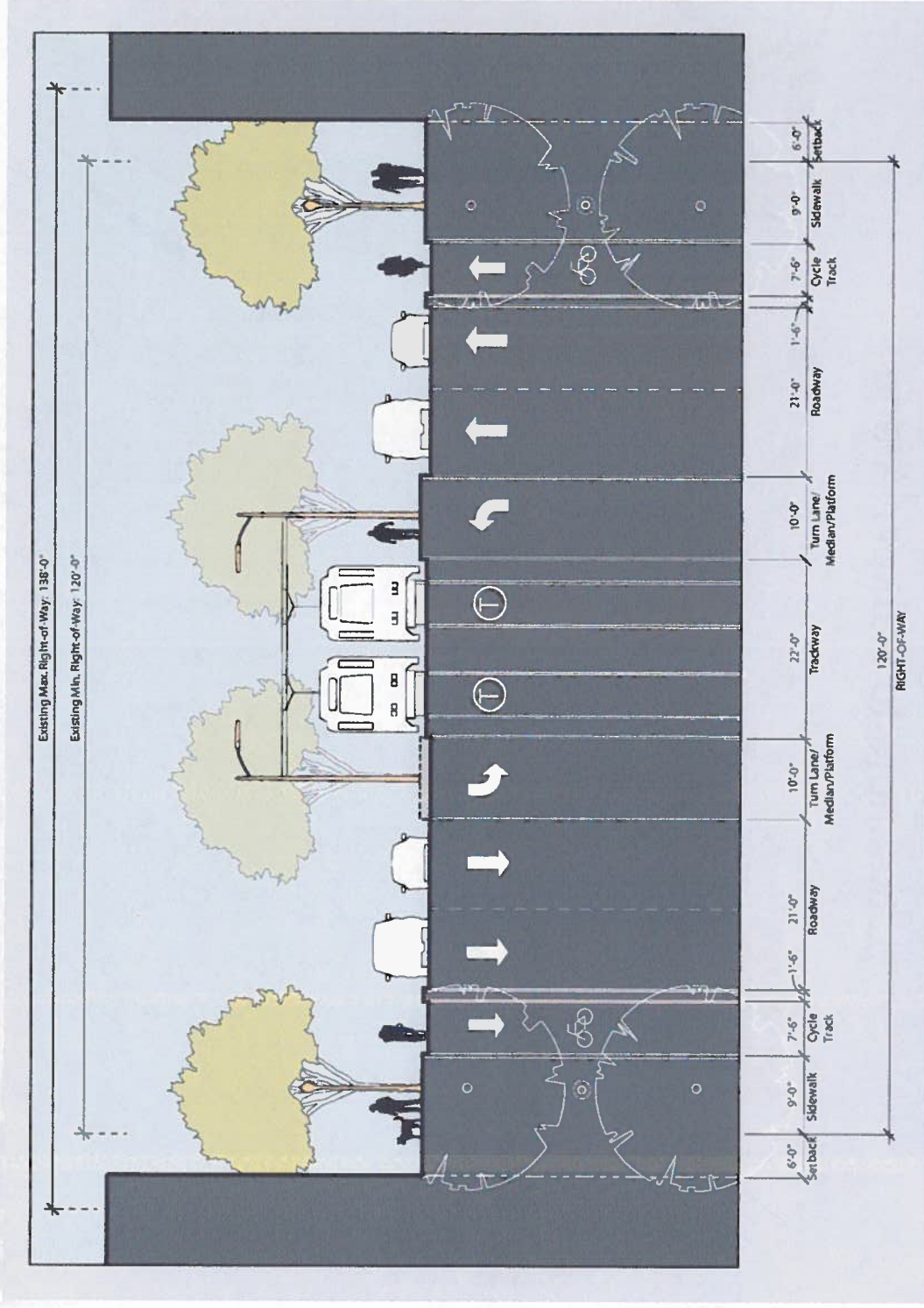
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Riverside Drive Long Term Improvements

Typical cross section with Urban Rail



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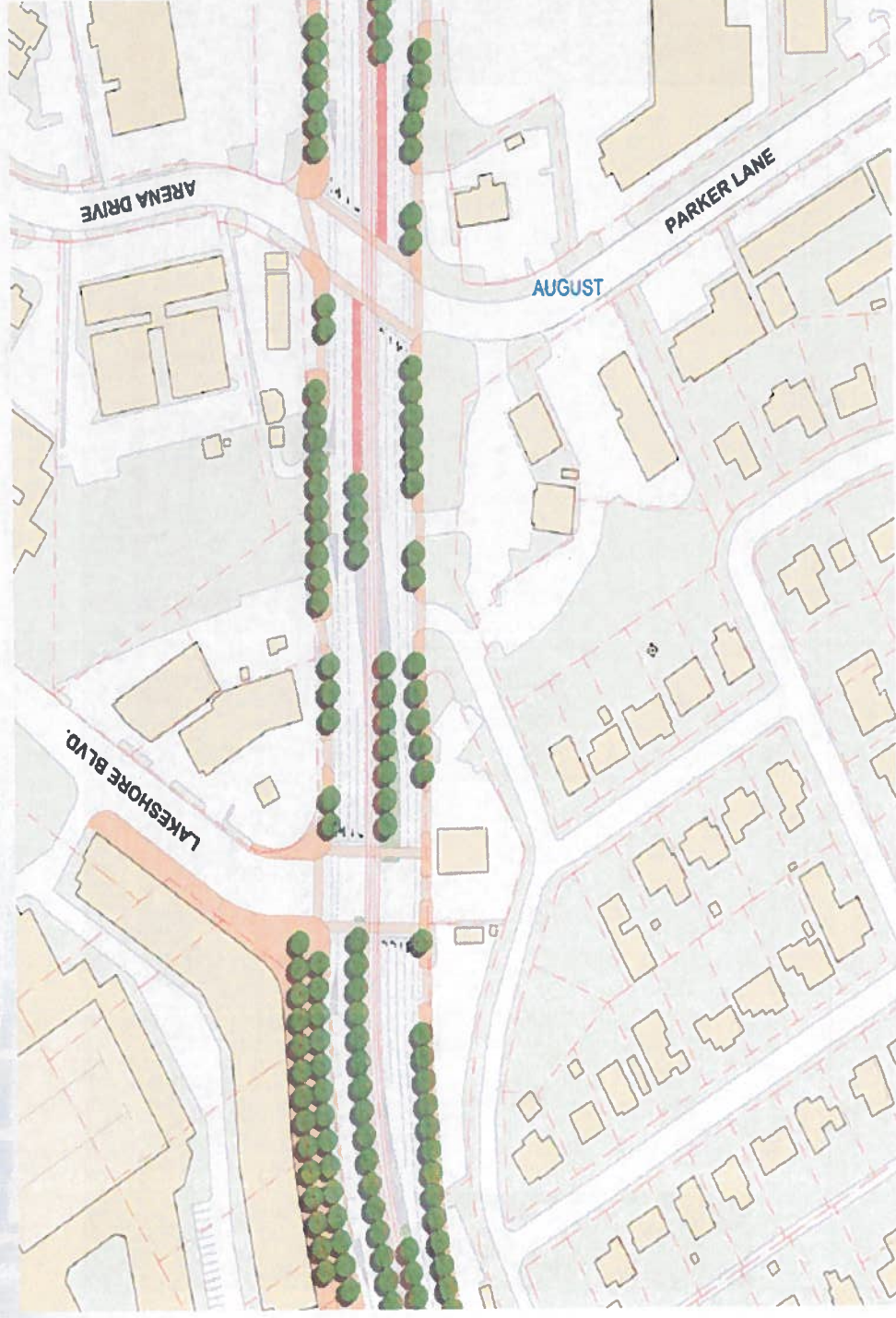
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Riverside Drive Long Term Improvements

Lakeshore to Parker / Arena



Cost Estimates

	Short Term	Mid-Term	Long-Term
Airport Boulevard	\$1.9M	\$19.7M	\$52.8M
Lamar / Burnet	47.2M	n/a	106M
FM 969	7.8M	n/a	103M
Riverside Drive	2.2M	0.5M	358M



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Moving Forward

- **Implementation Funding (2012 Bond)**
 - Lamar / Burnet - \$15M
 - PW currently working with consultant to determine project scope
 - Public outreach included in process
 - Riverside Drive - \$1M
 - Design beginning for Riverside / Lakeshore intersection
- **New Corridor Studies**
 - South Lamar Boulevard – Riverside Drive to Ben White
 - Guadalupe Street – MLK to 29th Street



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