

STREETScape MASTER PLAN

Medians and Major Intersection Improvements



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The Value of Coppell's Median Landscape Design and Signature Entry Features

Purpose

The purpose of this Streetscape Master Plan is to create a cohesive and consistent image for Coppell that defines and embodies the goals and objectives set forth in "Coppell 2030, A Family Community For A Lifetime" document. The Coppell 2030 Steering Committee and five strategic planning committees recognized the value attributed to the aesthetic and "green" components of a "Special Place to Live" pertaining to thoroughfares and intersections. Coppell Vision 2030 provides strategies to "manage future opportunities" including a beautiful, green city with attractive and consistently maintained corridors, streets, alleys and streetscapes which "add value to the community". The City has already incorporated "green" concepts including xeriscapes with low water use plant materials, well-fed irrigation systems and a variety of hardscape materials that add texture and interest to the visual experience. Coppell has begun the transition of differentiating itself from surrounding communities. The median planting design used for Sandy Lake Road has given the City of Coppell a unique identity in its appearance and practicality. This successful planting design was used as a template as the City improved roadways and added municipal facilities to its inventory. This master plan deliberately sets forth a menu of opportunities giving decision makers the flexibility to phase in median improvements by commercial or residential classifications, street, street sections, primary intersections and individual medians.

The planning process included three phases; inventory, analysis, and implementation. Inventory involved gathering field data, field observations and the cataloging of existing plant material. Analysis required the process of identifying, categorizing, and developing a cohesive design for thoroughfares and intersections. Implementation involved the calculation of costs for installation and maintenance for all medians and thoroughfares. The graphic, Figure A1 (shown right), details these three phases:

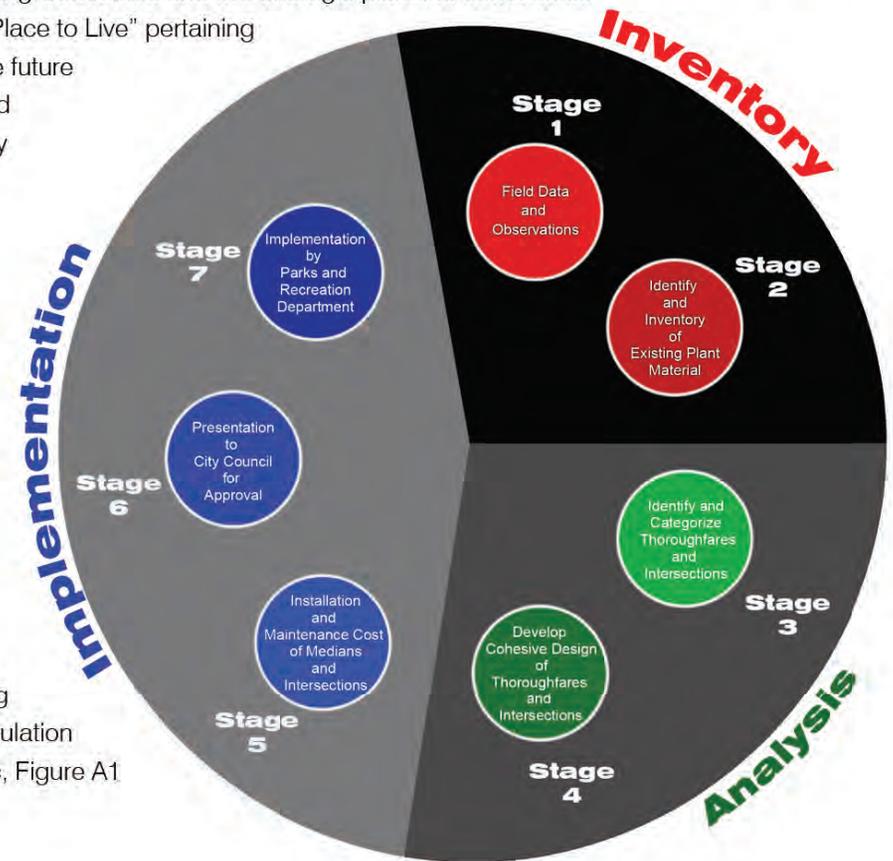


Figure A1

Phase I - Inventory

The first phase included field observations along the major thoroughfares and intersections. The first stage evaluated each of the thoroughfares/medians and intersections identified as feasible improvement projects based on current and future development plans. The observed pedestrian and vehicular movement would later dictate the suggested plant material with a focus on safety through clear visibility triangles. The second stage of the process produced an inventory of all plant material within the existing medians and intersections. In this stage the health, vigor and suitability of the existing plant material were carefully noted. West Sandy Lake Road (between State Hwy 121 and N. Coppell Road) served as the model due to the modifications applied to it and also based on the experiences from the first completed median xeriscape, which was East Sandy Lake Road (from MacArthur Blvd. to Denton Tap).

Plants in the first project were removed and substituted based on driver visibility complaints, plant material survival rates, and maintenance intensity. The data collection included, but was not limited to, quantities of existing plant material, trees, existing above ground utilities and condition/presence of an operating irrigation system. Existing plants, especially mature trees, were identified and preserved in the recommended redevelopment design opportunities.

Phase II - Analysis

The second phase of the process included identification, categorization, and development of a cohesive design for the major thoroughfares. The first step was to identify and classify the major thoroughfares based on the Coppel City Code of Ordinances which included P6D, C4D/6 & P6D, or C4D roadway types. Major intersections within the City of Coppel were also identified. When classifying the major thoroughfares, notice was made of posted speeds, visibility, and view corridors. The planting design scheme for the medians was based on the existing design of Sandy Lake Road. The 2030 Vision states “Develop or redevelop City properties with xeriscaping techniques (drought tolerant and low maintenance) where appropriate.” The existing plant material that was designed on Sandy Lake was replicated and modified slightly based on type of thoroughfare. When looking at the major intersections, the same technique was used to create the overall design.

Phase III - Implementation

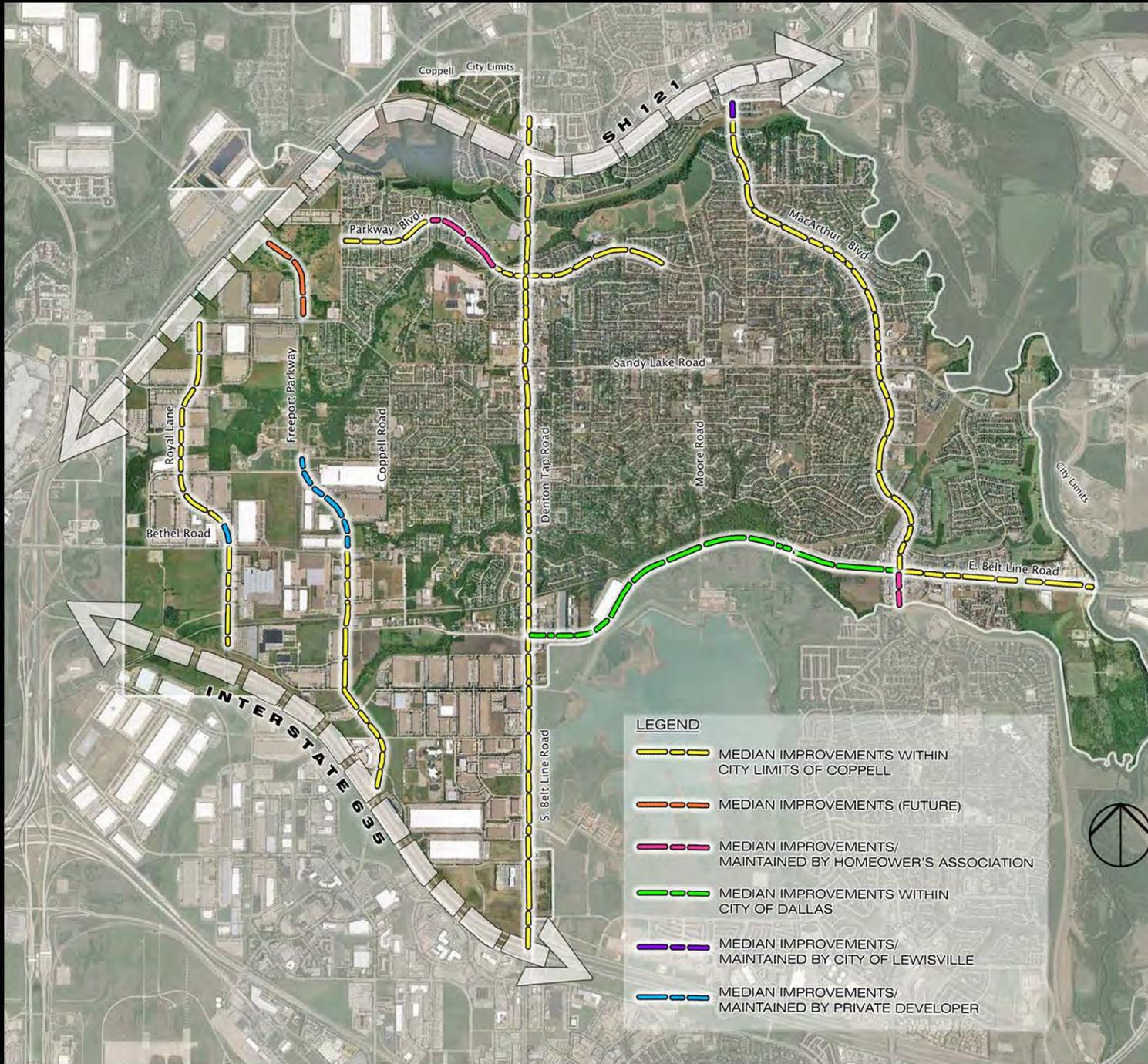
The implementation phase included calculating installation and maintenance costs and coordinating data and options. Cost estimates were prepared with current pricing and values from the local landscape construction industry. Installation estimates for each median were calculated using an average per linear foot cost. An existing median was used for the estimate for each of the thoroughfares. Similarly, the costs for the intersections were calculated based on a cost per linear foot. The Parks and Recreation Department will use the Master Plan in developing recommendations for prioritization of median development projects. Project phasing could occur depending on availability of funds and associated development coordination.

Conclusion

One of the major goals in the 2030 Vision is to “Balance safety, mobility, community, and environmental goals in all projects.” The following plan accomplishes this goal by thoroughly observing existing conditions and identifying new opportunities for design. This plan addresses the goal of branding or reimagining the City of Coppel by highlighting its unique qualities, high aesthetic standards and vision for the future. Currently the medians in Coppel can be placed in three classifications of development:

1. Class A – Xeriscaped, low-water use landscaping, drought tolerant, attractive, ready for the future (Sandy Lake, Bethel)
2. Class B – Traditional trees and grass, high water-use and runoff, repeated mowing/grass clippings, visually acceptable, susceptible to drought, ready to transition to Class A (Denton Tap, South Beltline, MacArthur, Parkway, Freeport)
3. Class C – No landscaping/irrigation, periodic mowing, visually unattractive/barren, detract from City image (Royal Lane, East Beltline)

Prioritization of median development can be looked at as benefiting current and future residents and/or current and future business owners. Attractive medians can be inviting to both parties. Increasing home values and continued economic development bring positive growth to the citizens of Coppel and aesthetic enhancement of the visual experience is one way to accommodate both of these desirable aspects.



THOROUGHFARE P6D

DENTON TAP ROAD

Total Number of Medians = 28
Total LF of Medians = 10,152 LF

S BELT LINE ROAD

Total Number of Medians = 13
Total LF of Medians = 6,914 LF

MACARTHUR BOULEVARD

Total Number of Medians = 31
Total LF of Medians = 13,233 LF

E BELT LINE ROAD

Total Number of Median = 15
Total LF of Medians = 5,939 LF

THOROUGHFARE C4D/6 & P6D

ROYAL LANE

Total Number of Medians = 15
Total LF of Medians = 7,665 LF

FREPORT PARKWAY

Total Number of Medians = 32
Total LF of Medians = 16,003 LF

THOROUGHFARE C4D

PARKWAY BOULEVARD

Total Number of Medians = 17
Total LF of Medians = 8,156 LF

BETHEL ROAD

Total Number of Medians = 12
Total LF of Medians = 3,295 LF

LEGEND

- MEDIAN IMPROVEMENTS WITHIN CITY LIMITS OF COPPELL
- MEDIAN IMPROVEMENTS (FUTURE)
- MEDIAN IMPROVEMENTS/ MAINTAINED BY HOMEOWNER'S ASSOCIATION
- MEDIAN IMPROVEMENTS WITHIN CITY OF DALLAS
- MEDIAN IMPROVEMENTS/ MAINTAINED BY CITY OF LEWISVILLE
- MEDIAN IMPROVEMENTS/ MAINTAINED BY PRIVATE DEVELOPER

Existing Landscape Calculations

Type of Thoroughfare P6D Number of Medians 28 Total Linear Feet of Medians 10,152 Total Number of Trees 148 Trees

Existing Plant Material

Canopy Trees

Green Ash
Bald Cypress
Red Oak
Bradford Pear

Bradford Pear
Mexican Plum
Chinese Pistache
Cedar Elm

Ornamental Trees

Mexican Buckeye
Crape Myrtle
Redbud
Wax Myrtle

Shrubs

Knockout Roses
Rose of Sharon

Groundcover

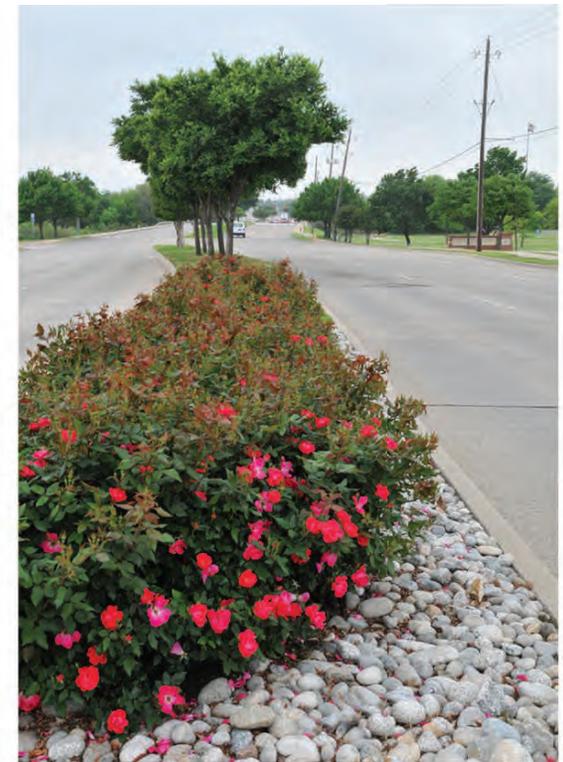
Asian Jasmine

Turf

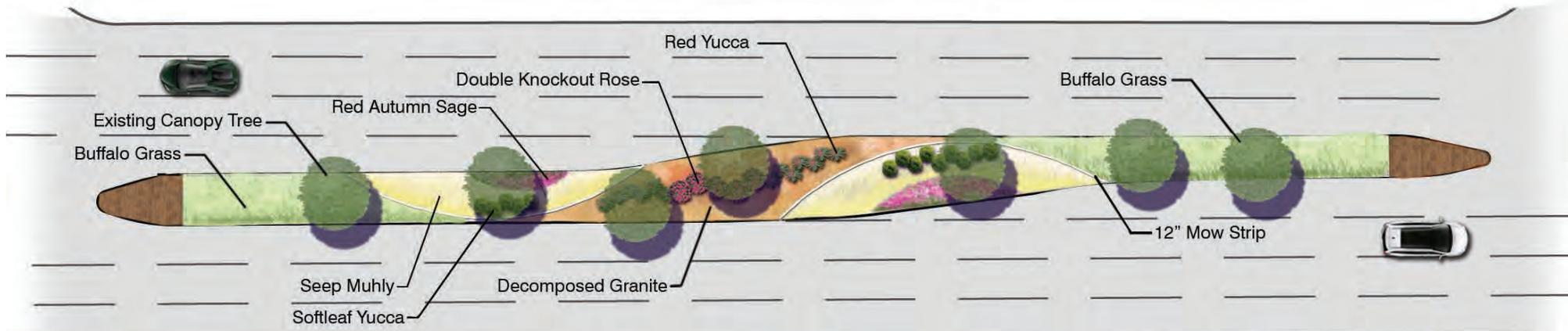
Bermuda Grass

Proposed Landscape Median Planting - Typ.

DENTON TAP ROAD				
*NOTE: NO PROPOSED TREES TO BE ADDED TO STREETSCAPE BECAUSE OF HEALTHY EXISTING TREES				
SHRUBS				
BUFFALO GRASS		206	\$5.00 SY	\$1,032.30
SOFTLEAF YUCCA		15	\$20.00 EA	\$300.00
SEEP MUHLY		132	\$17.00 EA	\$2,244.20
DOUBLE KNOCKOUT		20	\$20.00 EA	\$400.00
RED AUTUMN SAGE		167	\$17.00 EA	\$2,836.94
WAX MYRTLE		11	\$20.00 EA	\$220.00
HARDSCAPE				
DC		131	\$30.00 SY	\$3,933.33
PLANTING MIX (SOIL BUILDER SYSTEMS)		3,804	\$1.50 SF	\$5,706
MULCH		3,463	\$0.50 SF	\$1,731.50
BOULDERS		10	\$1,000.00 EA	\$10,000.00
ROCK DRY BED		190	\$15.00 SF	\$2,853.00
CONCRETE MOW STRIP		311	\$12.00 LF	\$3,732.00
REMOVAL OF TREES (UP TO 18")		10	\$850.00 EA	\$8,500
REMOVAL OF ORNAMENTAL TREES (UP TO 12")		20	\$450.00 EA	\$9,000
*NOTE: TREES NOTED TO BE REMOVED ARE BASED UPON FIELD OBSERVATIONS. RECOMMENDED TREES TO BE REMOVED ARE EXISTING BRADFORD PEARS AND UNDERSTORY ORNAMENTALS THAT ARE SIGNIFICANTLY DECLINING				
MOBILIZATION				
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES			\$2,500.00 EA	\$2,500.00
IRRIGATION				
		3,827	\$2.00 SF	\$7,654.00
TOTAL COST PER MEDIAN				\$66,639.27
COST PER LF				\$197.16
TOTAL NUMBER OF MEDIANS			28	
TOTAL COST OF MEDIANS				\$1,865,900
MAINTENANCE COST				
TOTAL COST PER MEDIAN - YEARLY				\$744
TOTAL NUMBER OF MEDIANS			28	
TOTAL COST OF MAINTENANCE - YEARLY				\$20,821.92



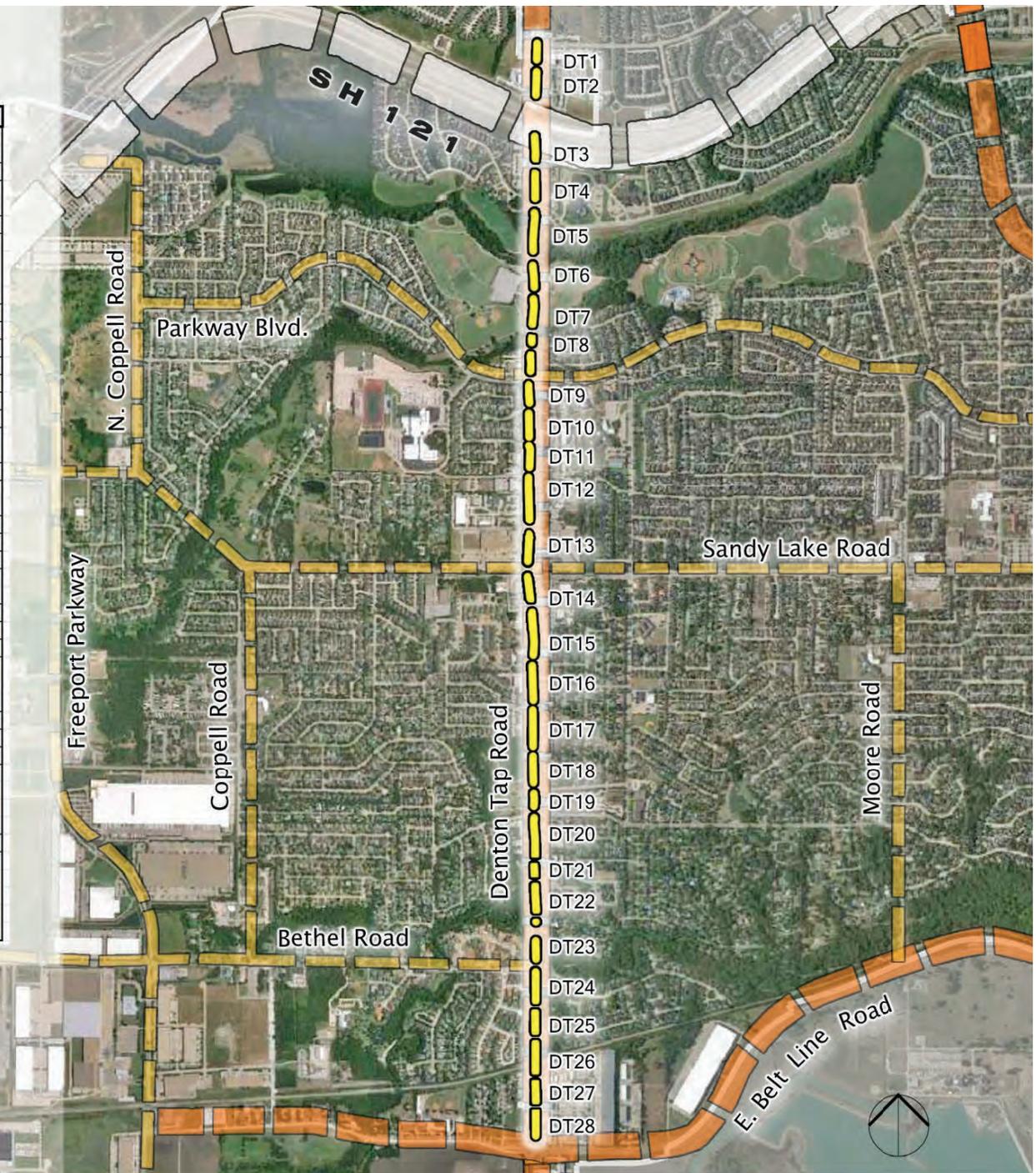
Existing Medians with Plantings



Median Improvement Calculations

LF of Medians Along Denton Tap Road

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION NORTH TO SOUTH
DT1	311	
DT2	375	
		121
DT3	312	
DT4	386	
		NATCHEZ TRACE
DT5	563	
DT6	288	
DT7	542	
DT8	291	
		PARKWAY BLVD
DT9	256	
		RIDGEWOOD DRIVE
DT10	339	
		KINGSBRIDGE DRIVE
DT11	305	
		TOWN CENTER DRIVE
DT12	613	
DT13	355	
		SANDY LAKE ROAD
DT14	174	
DT15	624	
		BRAEWOOD DRIVE
DT16	515	
		WYNNPAGE DRIVE
DT17	525	
DT18	380	
		VAN BEBBER ROAD
DT19	188	
		BETHEL SCHOOL ROAD
DT20	553	
DT21	165	
DT22	397	
		MEADOWCREEK
DT23	179	
		W BETHEL ROAD
DT24	338	
DT25	296	
DT26	415	
DT27	292	
		MEADOWCREEK ROAD
DT28	175	
TOTAL LF OF MEDIANS	10,152	
TOTAL NUMBER OF MEDIANS	28	



Existing Landscape Calculations

Type of Thoroughfare	Number of Medians	Total Linear Feet of Medians	Total Number of Trees
P6D	13	6,914	49 Trees

Existing Plant Material

Canopy Trees	Ornamental Trees	Shrubs	Groundcover
Bradford Pear	Mexican Buckeye	Knockout Roses	Asian Jasmine
Mexican Plum	Crape Myrtle	Rose of Sharon	
Bald Cypress	Redbud		Turf
Cedar Elm	Wax Myrtle		Bermuda Grass

Proposed Landscape Median Planting - Typ.

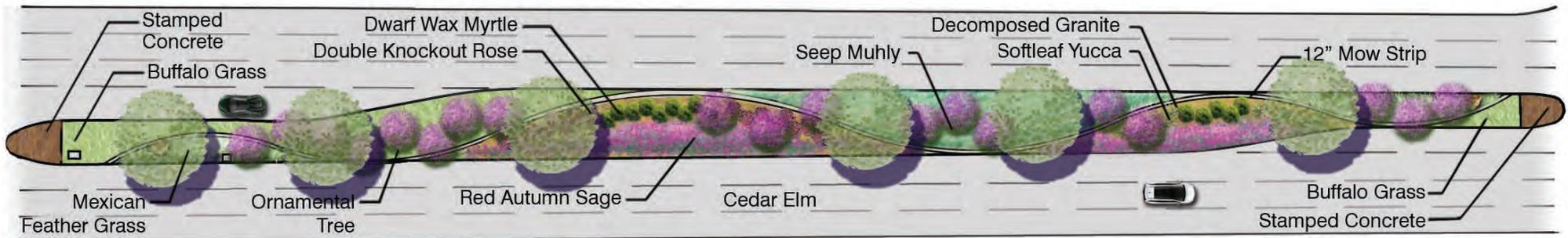
S BELT LINE ROAD			
TREES			
3" CAL TREES (65 GAL) - SPACING: 1 TREE/100 LF*	6	\$605 EA	\$3,721
ORNAMENTAL TREE (30 GAL) - SPACING: 2 ORNAMENTAL TREES/100 LF	21	\$330 EA	\$6,765
NOTE: DUE TO VISIBILITY CONCERNS TREE SPACING WILL BE: 1 TREE/80 LF FOR CANOPY TREES AND 2 TREES/100 LF FOR ORNAMENTAL TREES			
SHRUBS			
BUFFALO GRASS	549	\$5.00 SY	\$2,746.39
MEXICAN FEATHER GRASS	858	\$17.00 EA	\$14,586.00
RED KNOCK OUT ROSES	26	\$20.00 EA	\$520.00
SOFTLEAF YUCCA	15	\$20.00 EA	\$300.00
RED YUCCA	17	\$20.00 EA	\$340.00
LINDHEIMER MUHLY	82	\$17.00 EA	\$1,394.00
SEEP MUHLY	83	\$17.00	\$1,411.00
RED AUTUMN SAGE	498	\$17.00 EA	\$8,466.00
DWARF WAX MYRTLE	21	\$20.00 EA	\$420.00
HARDSCAPE			
CONCRETE MOW STRIP	344	\$12.00 LF	\$4,128.00
PLANTING MIX (SOIL BUILDER SYSTEMS)	13,434	\$1.50 SF	\$20,151
MULCH	7,867	\$0.50 SF	\$3,933.50
BOULDERS	30	\$1,000.00 EA	\$30,000.00
ROCK DRY BED	1,343	\$15.00 SF	\$20,145.00
REMOVAL OF TREES (UP TO 18")	10	\$850.00 EA	\$8,500
REMOVAL OF ORNAMENTAL TREES (UP TO 12")	2	\$450.00 EA	\$900
*NOTE: TREES NOTED TO BE REMOVED ARE BASED UPON FIELD OBSERVATIONS. RECOMMENDED TREES TO BE REMOVED ARE EXISTING BRADFORD PEARS AND UNDERSTORY ORNAMENTALS THAT ARE SIGNIFICANTLY DECLINING			
MOBILIZATION		\$4,000.00 EA	\$4,000.00
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$2,500.00 EA	\$2,500.00
IRRIGATION	13,434	\$2.00 SF	\$26,868.00
TOTAL COST PER MEDIAN			\$151,308.89
COST PER LF			\$246.03
TOTAL NUMBER OF MEDIANS			13
TOTAL COST OF MEDIANS			\$1,967,016
MAINTENANCE COST			
TOTAL COST PER MEDIAN - YEARLY			\$1,759
TOTAL NUMBER OF MEDIANS			13
TOTAL COST OF MEDIANS - YEARLY			\$22,866.48



Existing Medians at Coppel Entry Sign



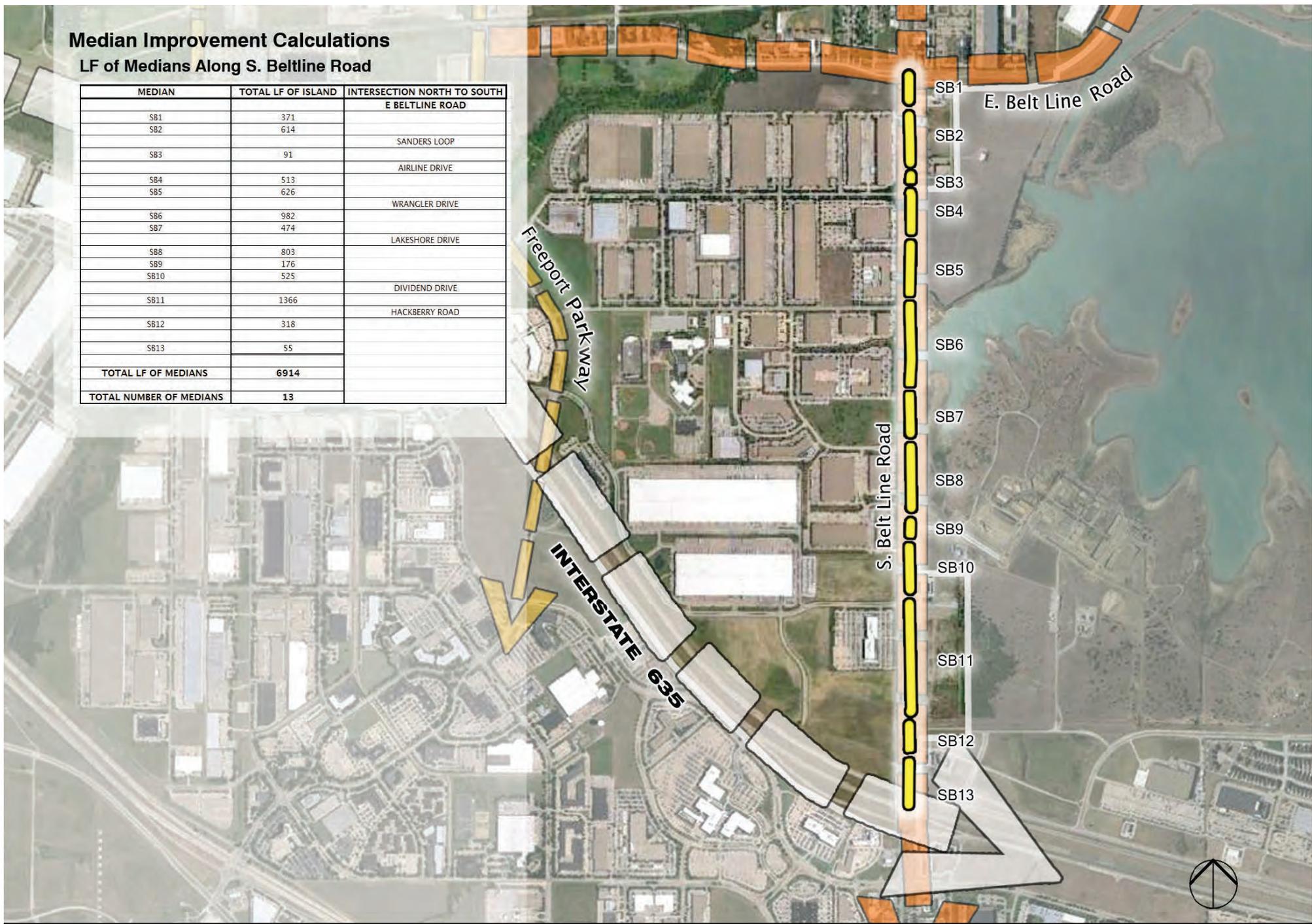
Existing Intersection with E. Belt Line Road



Median Improvement Calculations

LF of Medians Along S. Beltline Road

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION NORTH TO SOUTH
SB1	371	E BELTLINE ROAD
SB2	614	
SB3	91	SANDERS LOOP
SB4	513	AIRLINE DRIVE
SB5	626	WRANGLER DRIVE
SB6	982	
SB7	474	LAKESHORE DRIVE
SB8	803	
SB9	176	
SB10	525	DIVIDEND DRIVE
SB11	1366	HACKBERRY ROAD
SB12	318	
SB13	55	
TOTAL LF OF MEDIANS	6914	
TOTAL NUMBER OF MEDIANS	13	



Existing Landscape Calculations

Type of Thoroughfare: P6D
 Number of Medians: 31
 Total Linear Feet of Medians: 12,685 LF
 Total Number of Trees: 156 Trees

Existing Plant Material

Canopy Trees		Ornamental Trees	Shrubs	Groundcover
Magnolia	Chinquapin Oak	Crape Myrtle	No existing Shrubs	Asian Jasmine
Mexican Plum	Cedar Elm			
Red Oak	Live Oak			
Pecan				
				Turf
				Bermuda Grass

Proposed Landscape Median Planting - Typ.

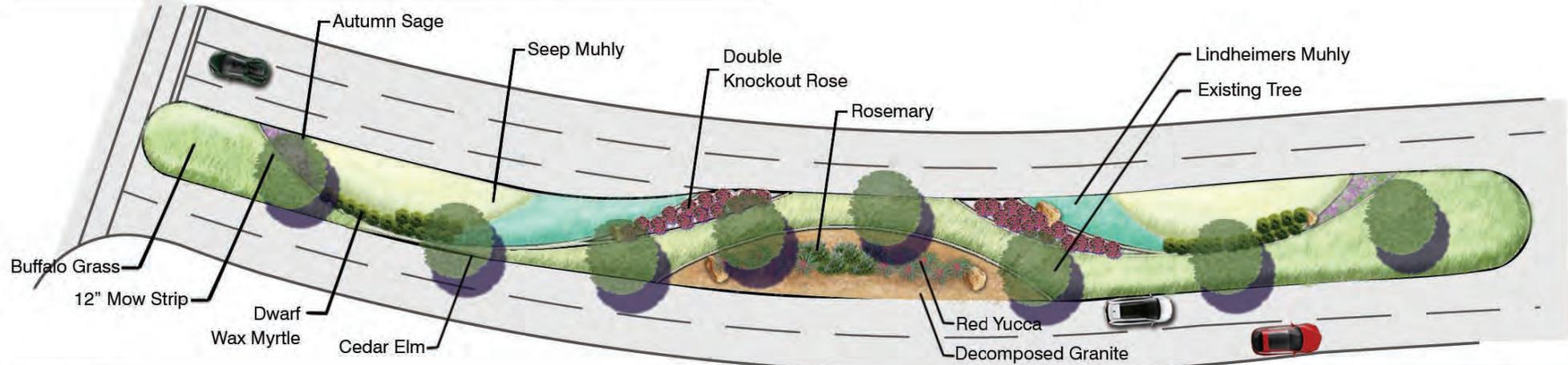
MACARTHUR			
SHRUBS			
BUFFALO GRASS	571	\$5.00/SY	\$2,856.59
SEEP MUHLY	157	\$17.00/EA	\$2,663.69
LINDHEIMERS MUHLY	60	\$17.00/EA	\$1,023.63
RED YUCCA	10	\$20.00/EA	\$200.00
DOUBLE KNOCKOUT	40	\$20.00/EA	\$800.00
DWARF WAX MYRTLE	35	\$20.00/EA	\$700.00
UPSICHT ROSEMARY	24	\$17.00/EA	\$408.00
AUTUMN SAGE	80	\$17.00/EA	\$1,357.98
HARDSCAPE			
DC	234	\$30.00/SY	\$7,030.00
PLANTING MIX (SOIL BUILDER SYSTEMS)	12,269	\$1.50/SF	\$18,404
MULCH	11,827	\$0.50/SF	\$5,913.50
BOULDERS	10	\$1,000.00/EA	\$10,000.00
ROCK DRY BED	1,393	\$15.00/SF	\$20,895.00
CONCRETE MOW STRIP	633	\$12 LF	\$7,596.00
REMOVAL OF TREES (UP TO 18")			
	10	\$850.00/EA	\$8,500.00
<small>*NOTE: TREES NOTED TO BE REMOVED ARE BASED UPON FIELD OBSERVATIONS. RECOMMENDED TREES TO BE REMOVED ARE DAMAGED PECAN TREES AND UNDERSTORY ORNAMENTALS THAT ARE SIGNIFICANTLY DECLINING</small>			
MOBILIZATION		\$4,000.00/EA	\$4,000.00
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$2,500.00/EA	\$2,500.00
IRRIGATION	12,269	\$2.00/SF	\$24,538.00
TOTAL COST PER MEDIAN			\$119,387.90
COST PER LF			\$248.72
TOTAL NUMBER OF MEDIANS	31		\$3,701,025
MAINTAINED BY CITY OF LEWISVILLE		1	\$119,388
MAINTAINED BY HOA		2	\$238,776
TOTAL COST OF MEDIANS			\$3,701,025
MAINTENANCE COST			
TOTAL COST PER MEDIAN			\$1,848
TOTAL NUMBER OF MEDIANS			31
MAINTAINED BY CITY OF LEWISVILLE		1	\$1,848
MAINTAINED BY HOA		2	\$3,696
TOTAL COST PER YEAR OF MAINTENANCE			\$57,288



Existing Medians with Plantings



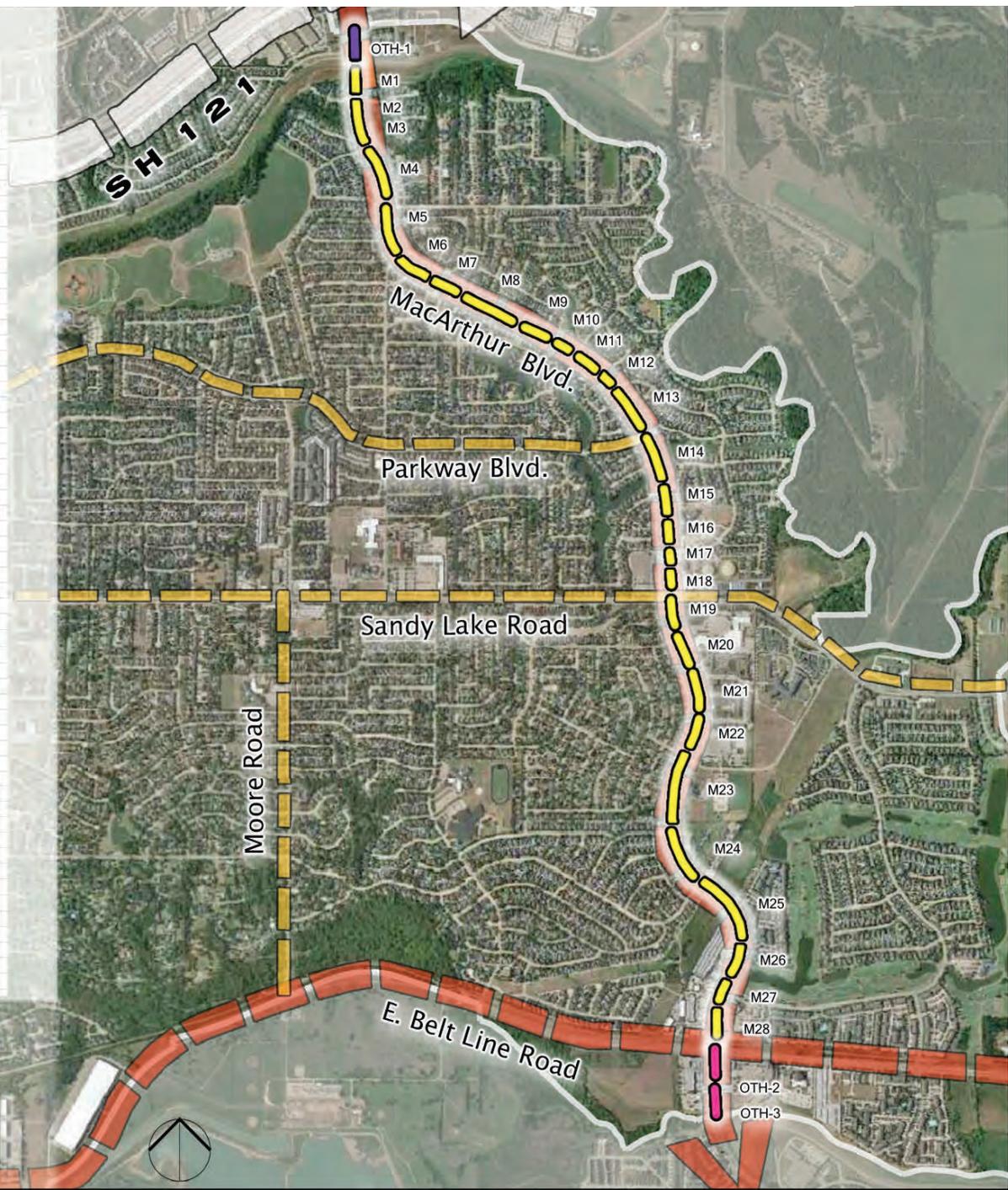
Existing Medians at Intersection with Bethel Road



Median Improvement Calculations

LF of Medians Along MacArthur Boulevard

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION NORTH TO SOUTH
OTH - 1	122	
M1	180	
M2	199	PENNISULA DRIVE
M3	186	
M4	751	GLEN LAKES DRIVE
M5	652	DEFOREST ROAD
M6	480	SAMUEL BLVD
M7	429	
M8	790	LAKE FOREST DRIVE
M9	428	WATERSIDE DRIVE
M10	281	
M11	333	ALLEN ROAD
M12	220	
M13	643	VILLAGE PARKWAY - NORTH
M14	638	PARKWAY BOULEVARD
M15	413	LACUNA DRIVE
M16	315	
M17	190	VILLAGE PARKWAY - SOUTH
M18	184	
M19	338	SANDY LAKE ROAD
M20	460	MAPLE LEAF LANE
M21	558	
M22	474	STARLEAF ST
M23	1011	CONDOR DRIVE
M24	748	
M25	962	BETHEL SCHOOL ROAD
M26	368	OVERHEAD LINES IN THIS AREA
M27	273	RIVERCHASE DRIVE
M28	181	
OTH - 2	255	E BELTLINE ROAD
OTH - 3	171	
TOTAL LF OF MEDIANS - OTHER	548	
TOTAL LF OF MEDIANS	12685	
TOTAL NUMBER OF MEDIANS - OTHER	3	
TOTAL NUMBER OF MEDIANS	31	



Existing Landscape Calculations

Type of Thoroughfare	Number of Medians	Total Linear Feet of Medians	Total Number of Trees
P6D	8	3,488 LF	5 Trees

Existing Plant Material

Canopy Trees	Ornamental Trees	Shrubs	Groundcover
Cedar Elm	Crape Myrtle	Loropetalum	Asian Jasmine
Bald Cypress		Juniper	Turf
Chinese Pistache			Bermuda Grass

Proposed Landscape Median Planting - Typ.

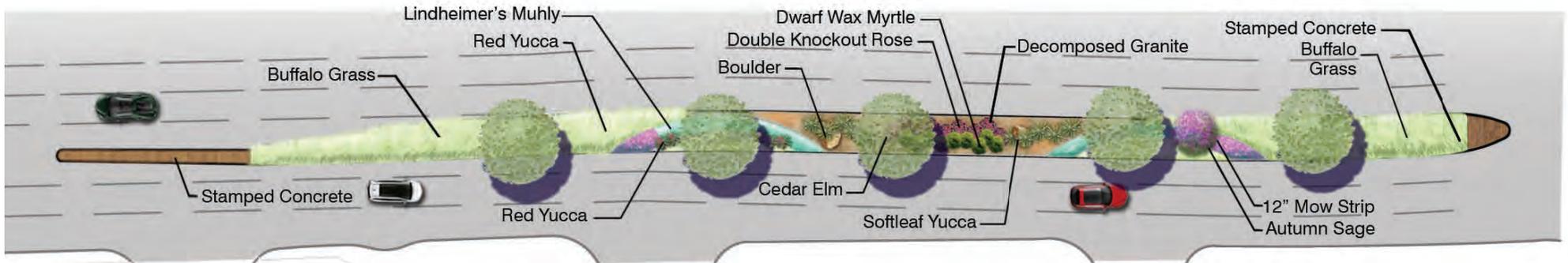
E BELTLINE ROAD			
TREES			
3" CAL TREES (65 GAL) - SPACING: 1 TREE/80 LF	5	\$605.00 EA	\$3,025.00
ORNAMENTAL TREE (30 GAL) - SPACING: 2 ORNAMENTAL TREES/100 LF	8	\$330.00 EA	\$2,640.00
NOTE: DUE TO VISIBILITY CONCERNS TREE SPACING WILL BE: 1 TREE/80 LF FOR CANOPY TREES AND 2 TREES/100 LF FOR ORNAMENTAL TREES			
SHRUBS			
BUFFALO GRASS	258	\$5.00 SY	\$1,292.09
RED KNOCK OUT ROSES	11	\$20.00 EA	\$220.00
SOFTLEAF YUCCA	23	\$20.00 EA	\$460.00
RED YUCCA	22	\$20.00 EA	\$440.00
DWF WAX MYRTLE	10	\$20.00 EA	\$200.00
LINDHEIMER MUHLY	40	\$20.00 EA	\$806.11
RED AUTUMN SAGE	28	\$17.00 EA	\$481.85
SEEP MUHLY	53	\$20.00 EA	\$1,061.57
HARDSCAPE			
CONCRETE MOW STRIP	200	\$12 LF	\$2,400.00
PLANTING MIX (SOIL BUILDER SYSTEMS)	4,984	\$1.50 SF	\$7,476.00
DC	154	\$30.00 SY	\$4,632.87
MULCH	1,267	\$0.50 SF	\$633.50
BOULDERS	10	\$1,000.00 EA	\$10,000.00
ROCK DRY BED	490	\$15.00 SF	\$7,350.00
MOBILIZATION			
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$4,000.00 EA	\$4,000.00
		\$2,500.00 EA	\$2,500.00
IRRIGATION FOR NEW PLANTINGS WITHIN MEDIAN			
	3,222	\$2.00 SF	\$6,444.00
TOTAL COST PER MEDIAN			\$56,063.00
COST PER LF			\$137.07
TOTAL NUMBER OF MEDIANS			8
TOTAL COST OF MEDIANS			\$448,504
MAINTENANCE COST			
TOTAL COST PER MEDIAN			\$630
TOTAL NUMBER OF MEDIANS			8
TOTAL COST OF MAINTENANCE - YEARLY			\$5,036.16



Existing Medians at Monument



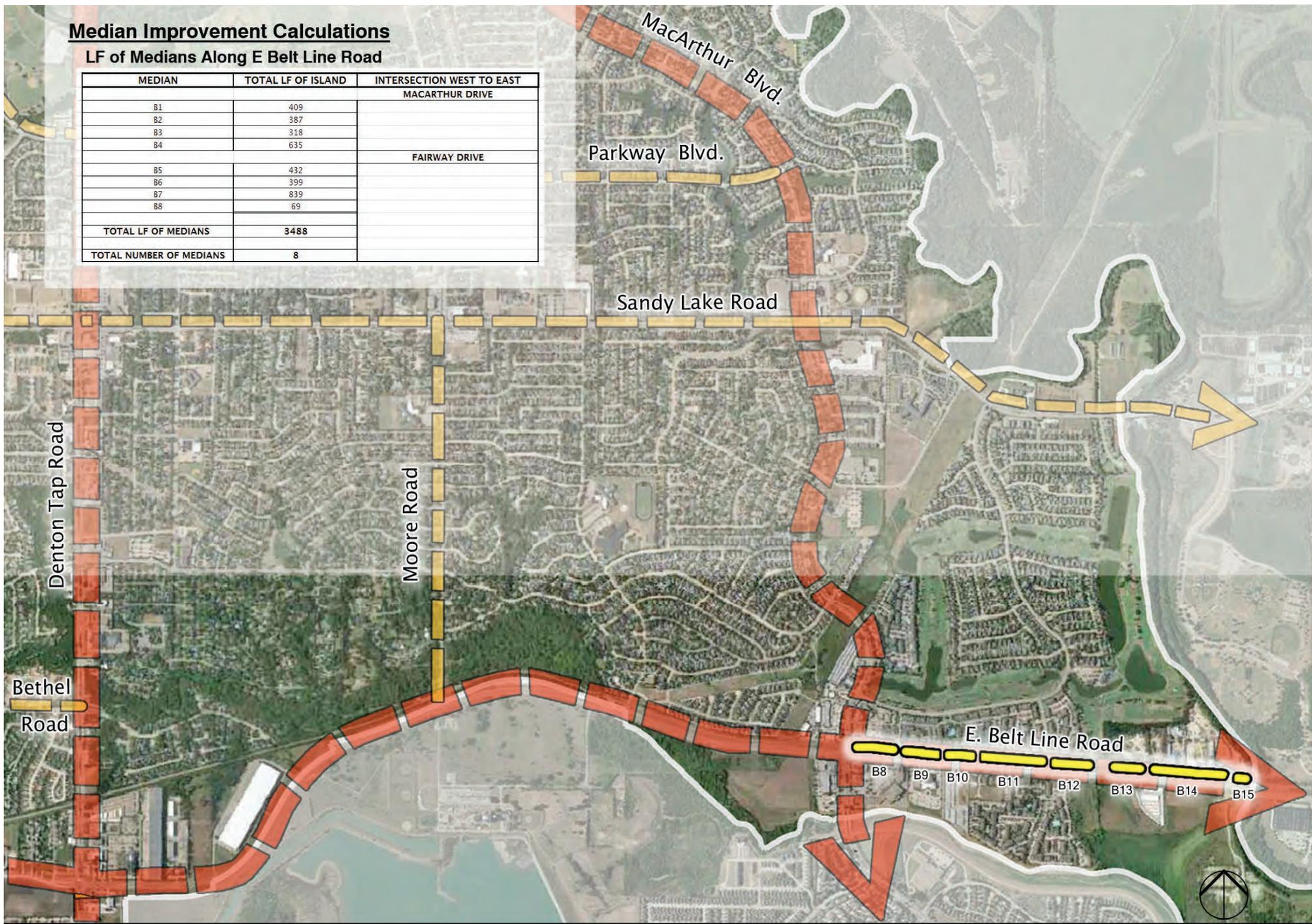
E. Belt Line Road and MacArthur Road Intersection



Median Improvement Calculations

LF of Medians Along E Belt Line Road

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION WEST TO EAST
		MACARTHUR DRIVE
B1	409	
B2	387	
B3	318	
B4	635	
		FAIRWAY DRIVE
B5	432	
B6	399	
B7	839	
B8	69	
TOTAL LF OF MEDIANS	3488	
TOTAL NUMBER OF MEDIANS	8	



Existing Landscape Calculations

Type of Thoroughfare C4D/6 & P6D
Number of Medians 15
Total Linear Feet of Medians 7,196 LF
Total Number of Trees 23 Trees

Existing Plant Material

Canopy Trees	Ornamental Trees	Shrubs	Perennials	Groundcover
Live Oak	Crape Myrtle	Double Knock	Autumn Sage	Asian Jasmine
Bald Cypress	Desert Willow	Out Roses	Spiraea	
Lacebark Elm	Wax Myrtle	Softleaf Yucca	Perennial Grasses	Turf
	Redbud	Nandina		Bermuda Grass

Proposed Landscape Median Planting - Typ.

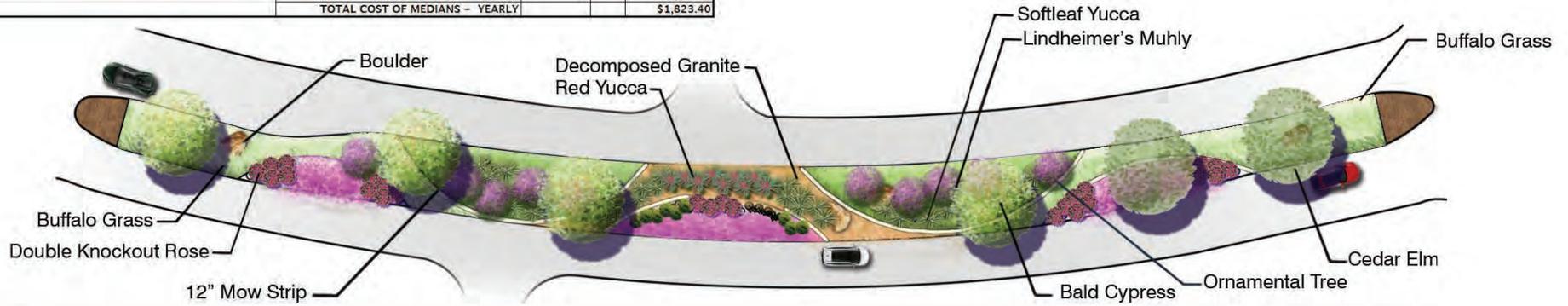
ROYAL				
TREES				
3" CAL TREES (65 GAL) - SPACING: 1 TREE/80 LF		7	\$605/EA	\$4,235.00
ORNAMENTAL TREE (30 GAL) - SPACING: 2 ORNAMENTAL TREES/ 100 LF		10	\$330/EA	\$3,300.00
NOTE: DUE TO VISIBILITY CONCERNS TREE SPACING WILL BE: 1 TREE/80 LF FOR CANOPY TREES AND 2 TREES/100 LF FOR ORNAMENTAL TREES				
SHRUBS				
BUFFALO GRASS		472	\$4.25/SY	\$2,005.33
LINDHEIMER MUHLY		210	\$20.00/EA	\$4,197.45
DOUBLE KNOCKOUT		13	\$20.00/EA	\$260.00
SOFTLEAF YUCCA		18	\$20.00/EA	\$360.00
RED YUCCA		21	\$20.00/EA	\$420.00
RED AUTUMN SAGE		190	\$17.00/EA	\$3,226.75
DWARF WAX MYRTLE		14	\$20.00/EA	\$280.00
SEEP MUHLY		195	\$17.00/EA	\$3,318.45
HARDSCAPE				
DC		222	\$30.00/SY	\$6,646.62
PLANTING MIX (SOIL BUILDER SYSTEMS)		13,080	\$1.50/SF	\$19,620.00
MULCH		5,303	\$0.50/SF	\$2,651.50
BOULDERS		12	\$1,000.00/EA	\$12,000.00
ROCK DRY BED		1,300	\$15.00/SF	\$19,500.00
CONCRETE MOW STRIP		513	\$12/LF	\$6,156.00
MOBILIZATION			\$4,000.00/EA	\$4,000.00
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES			\$2,500.00/EA	\$2,500.00
IRRIGATION			\$2.00/SF	\$30,150.00
TOTAL COST PER MEDIAN				\$124,827.14
COST PER LF				\$240.98
TOTAL NUMBER OF MEDIANS				15
MAINTAINED BY PRIVATE DEVELOPER				1
MAINTAINED BY CITY OF COPPELL				14
TOTAL COST OF MEDIANS				\$1,872,407.15
MAINTENANCE COST				
TOTAL NUMBER OF MEDIANS				15
MAINTAINED BY PRIVATE DEVELOPER				1
MAINTAINED BY CITY OF COPPELL				14
TOTAL COST OF MEDIANS - YEARLY				\$1,823.40



Existing Medians with Plantings near Sandy Lake Rd



Existing Medians without Plantings



Median Improvement Calculations

LF of Medians Along Royal Lane

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION NORTH TO SOUTH
R1	NOT INCLUDED IN CALC	SANDY LAKE ROAD
R2	891	
R3	589	NORTHPOINT DRIVE
R4	518	
R5	344	GATEVIEW BLVD
R6	184	
R7	395	
R8	457	CREEKVIEW DRIVE
R9	812	
OTH - 1	485	
R10	572	
R11	644	W BETHEL ROAD
R12	369	
R13	395	
R14	849	
R15	177	
TOTAL LF OF MEDIANS - OTHERS	485	
TOTAL LF OF MEDIANS	7196	
NUMBER OF MEDIANS	15	



Existing Landscape Calculations

Type of Thoroughfare: C4D/6 & P6D
 Number of Medians: 22
 Total Linear Feet of Medians: 12,022 LF
 Total Number of Trees: 145 Trees

Existing Plant Material

Canopy Trees	Ornamental Trees	Shrubs	Groundcover
Cedar Elm	Crape Myrtle	Loropetalum	Asian Jasmine
Bald Cypress		Juniper	Turf
Chinese Pistache			Bermuda Grass

Proposed Landscape Median Planting - Typ.

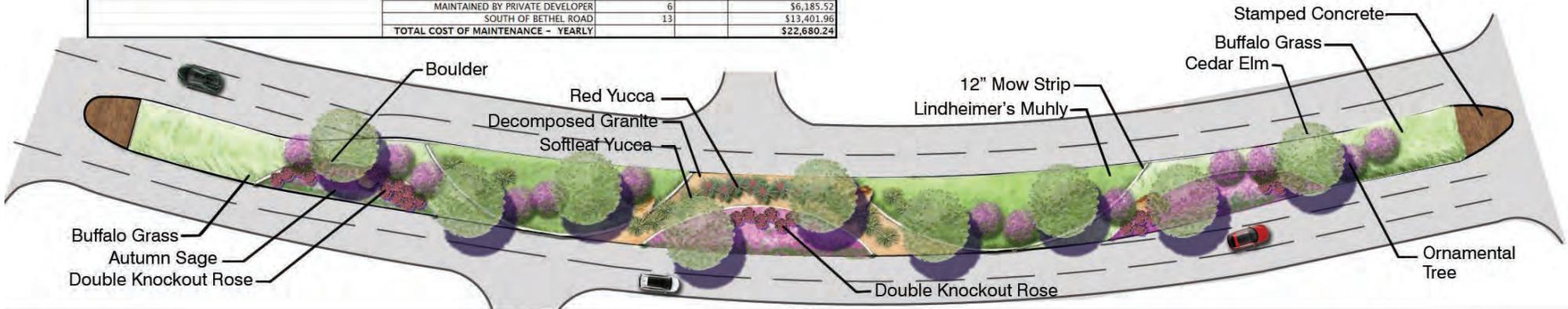
Item	Quantity	Unit	Price	Total
FREEPORT				
TREES				
3" CAL TREES (65 GAL) - SPACING: 1 TREE/80 LF	9	EA	\$605.00	\$5,316.44
ORNAMENTAL TREE (30 GAL) - SPACING: 2 ORNAMENTAL TREES/100 LF	14	EA	\$330.00	\$4,639.80
NOTE: DUE TO VISIBILITY CONCERNS TREE SPACING WILL BE: 1 TREE/80 LF FOR CANOPY TREES AND 2 TREES/100 LF FOR ORNAMENTAL TREES				
SHRUBS				
BUFFALO GRASS	353	SY	\$5.00	\$1,766.49
LINDHEIMERS MUHLY	200	EA	\$17.00	\$3,391.88
SEEP MUHLY	209	EA	\$17.00	\$3,556.40
RED KNOCK OUT ROSES	41	EA	\$20.00	\$820.00
SOFTLEAF YUCCA	20	EA	\$20.00	\$400.00
RED AUTUMN SAGE	134	EA	\$17.00	\$2,284.71
RED YUCCA	31	EA	\$20.00	\$620.00
DWARF WAX MYRTLE	11	EA	\$20.00	\$220.00
HARDSCAPE				
MULCH	5,537	SF	\$0.50	\$2,768.50
BOULDERS	20	EA	\$1,000.00	\$20,000.00
PLANTING MIX (SOIL BUILDER SYSTEMS)	8,717	SF	\$1.50	\$13,075.50
ROCK DRY BED	553	SF	\$15.00	\$8,295.00
CONCRETE MOW STRIP	628	LF	\$12.00	\$7,536.00
REMOVAL OF ORNAMENTAL TREES (UP TO 12")	25	EA	\$450.00	\$11,250.00
*NOTE: TREES NOTED TO BE REMOVED ARE BASED UPON FIELD OBSERVATIONS. RECOMMENDED TREES TO BE REMOVED ARE UNDERSTORY ORNAMENTALS THAT ARE SIGNIFICANTLY DECLINING				
MOBILIZATION		EA	\$4,000.00	\$4,000.00
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		EA	\$2,500.00	\$2,500.00
IRRIGATION				
	8,717	SF	\$2.00	\$17,434.00
TOTAL COST PER MEDIAN				\$109,874.72
COST PER LF				\$140.68
TOTAL NUMBER OF MEDIANS				22
FUTURE				\$329,624.17
MAINTAINED BY PRIVATE DEVELOPER				\$659,248.35
SOUTH OF BETHEL ROAD				\$1,428,371.42
TOTAL COST OF MEDIANS				\$2,417,243.94
MAINTENANCE COST				
TOTAL COST PER MEDIAN				\$1,030.92
TOTAL NUMBER OF MEDIANS				22
FUTURE				\$3,092.76
MAINTAINED BY PRIVATE DEVELOPER				\$6,185.52
SOUTH OF BETHEL ROAD				\$13,401.96
TOTAL COST OF MAINTENANCE - YEARLY				\$22,680.24



Existing Medians with Plantings



Existing Medians at Intersection with Bethel Road



Median Improvement Calculations

LF of Medians Along Freeport Parkway

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION NORTH TO SOUTH
		121
FU1	1,070	
FU2	1,089	
FU3	817	
		SANDY LAKE ROAD
		RUBY ROAD
OTH - 1	254	
		CREEKVIEW DRIVE
OTH - 2	408	
OTH - 3	338	
OTH - 4	703	
OTH - 5	360	
OTH - 6	313	
		W BETHEL ROAD
F11	162	
F12	170	
F13	298	
		BURNS ST
F14	40	
F15	379	
		SOUTHWESTERN BLVD
F16	781	
		GATEWAY BLVD
F17	576	
		FRITZ DRIVE
F18	CONC	
		AIRLINE DRIVE
F19	308	
F20	263	
		WRANGLER DRIVE
F21	263	
F22	219	
		DIVIDEND DRIVE
F23	235	
TOTAL LF OF MEDIANS - FUTURE	2,976	
TOTAL LF OF MEDIANS - BY OTHERS	2,122	
TOTAL LF OF MEDIANS	12,022	



Existing Landscape Calculations

Type of Thoroughfare: C4D
 Number of Medians: 14
 Total Linear Feet of Medians: 8,156 LF
 Total Number of Trees: 108 Trees

Existing Plant Material

Canopy Trees

Bur Oak
 Red Oak
 Live Oak
 Bradford Pear
 Chinese Pistache

Ornamental Trees

Wax Myrtle
 Redbud
 Crape Myrtle

Shrubs

Knock Out Rose

Turf

Bermuda Grass

Proposed Landscape Median Planting - Typ.

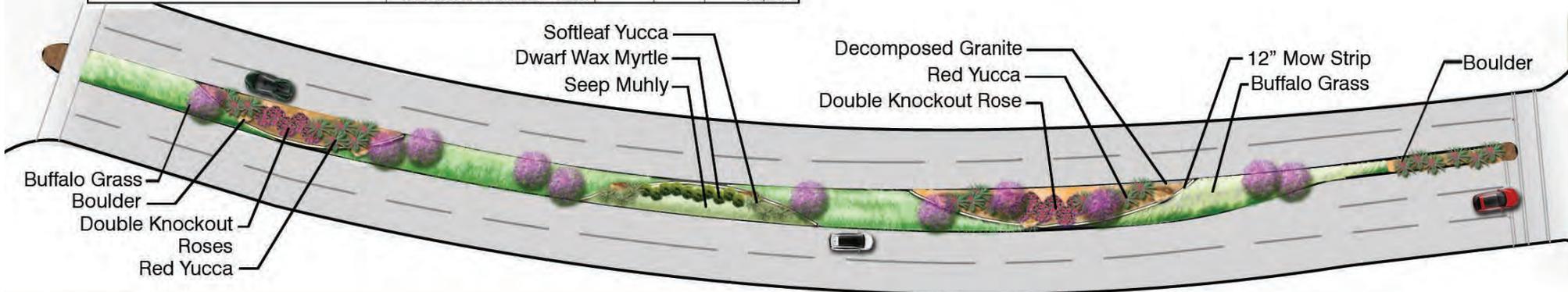
PARKWAY			
TREES			
ORNAMENTAL TREE (30 GAL)	11	\$330/EA	\$3,597.00
NOTE: DUE TO VISIBILITY CONCERNS TREE SPACING WILL BE: 2 TREES/100 LF FOR ORNAMENTAL TREES			
SHRUBS			
BUFFALO GRASS	358	\$5.00/SY	\$1,788.71
SOFTLEAF YUCCA	10	\$20.00/EA	\$200.00
RED YUCCA	22	\$20.00/EA	\$440.00
RED KNOCK OUT ROSES	13	\$20.00/EA	\$260.00
DWARF WAX MYRTLE	7	\$20.00/EA	\$140.00
RED AUTUMN SAGE	23	\$17.00/EA	\$384.39
SEEP MUHLY	41	\$20.00/EA	\$826.61
HARDSCAPE			
CONCRETE MOW STRIP	312	\$12 LF	\$3,744.00
DC	284	\$30.00/SY	\$8,520.00
PLANTING MIX (SOIL BUILDER SYSTEMS)	702	\$1.50/SF	\$1,053.00
BOULDERS	10	\$800.00/EA	\$8,000.00
MULCH	702	\$0.50/SF	\$351.00
ROCK DRY BED	454	\$15.00/SF	\$6,810.00
REMOVAL OF TREES (UP TO 18")	4	\$850.00/EA	\$3,400.00
REMOVAL OF ORNAMENTAL TREES (UP TO 12")	39	\$450.00/EA	\$17,550.00
*NOTE: TREES NOTED TO BE REMOVED ARE BASED UPON FIELD OBSERVATIONS. RECOMMENDED TREES TO BE REMOVED ARE EXISTING BRADFORD PEARS AND UNDERSTORY ORNAMENTALS THAT ARE SIGNIFICANTLY DECLINING.			
MOBILIZATION		\$4,000.00 EA	\$4,000.00
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$2,500.00 EA	\$2,500.00
IRRIGATION	5,129	\$2.00/SF	\$10,258.00
TOTAL COST PER MEDIAN			\$73,822.71
COST PER LF			\$135.45
TOTAL NUMBER OF MEDIANS			14
MAINTAINED BY HOA			\$221,468.14
MAINTAINED BY CITY OF COPPELL			\$812,049.86
TOTAL COST OF MEDIANS			\$1,033,518.01
MAINTENANCE COST			
TOTAL COST PER MEDIAN PER YEAR			\$719.40
MAINTAINED BY HOA			\$2,158.20
MAINTAINED BY CITY OF COPPELL			\$7,913.40
TOTAL COST OF MAINTENANCE -YEARLY			\$10,071.60



Existing Medians with Plantings



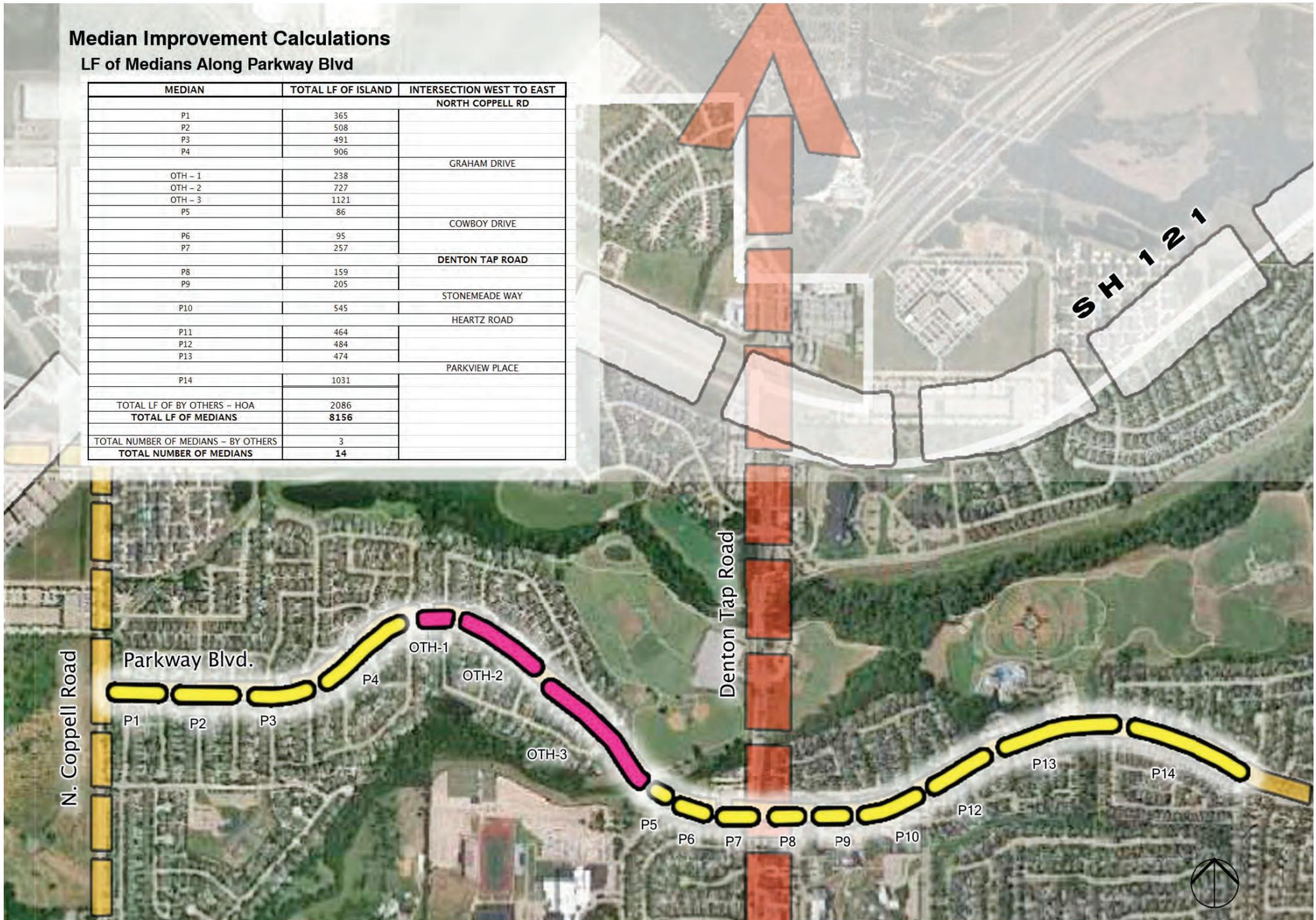
Existing Medians at Denton Tap Intersection

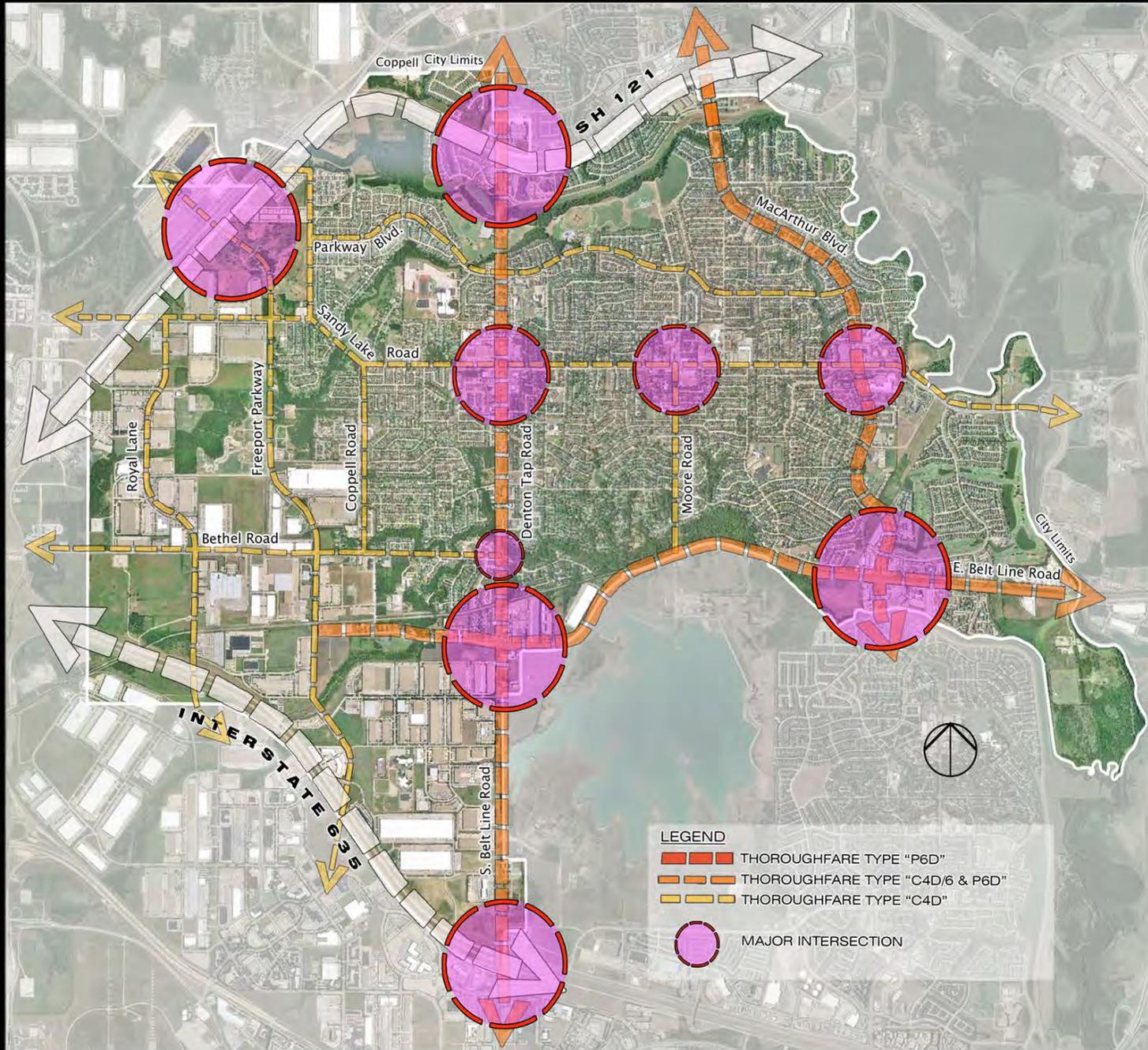


Median Improvement Calculations

LF of Medians Along Parkway Blvd

MEDIAN	TOTAL LF OF ISLAND	INTERSECTION WEST TO EAST
		NORTH COPPELL RD
P1	365	
P2	508	
P3	491	
P4	906	
		GRAHAM DRIVE
OTH - 1	238	
OTH - 2	727	
OTH - 3	1121	
P5	86	
		COWBOY DRIVE
P6	95	
P7	257	
		DENTON TAP ROAD
P8	159	
P9	205	
		STONEMEADE WAY
P10	545	
		HEARTZ ROAD
P11	464	
P12	484	
P13	474	
		PARKVIEW PLACE
P14	1031	
TOTAL LF OF BY OTHERS - HOA	2086	
TOTAL LF OF MEDIANS	8156	
TOTAL NUMBER OF MEDIANS - BY OTHERS	3	
TOTAL NUMBER OF MEDIANS	14	





**STATE HIGHWAY 121
MAJOR INTERSECTIONS**

State Highway 121 and Denton Tap Rd
State Highway 121 and Freeport Pkwy
(Future)

**DENTON TAP ROAD
MAJOR INTERSECTIONS**

Denton Tap Rd and Sandy Lake Rd
Denton Tap Rd and Bethel School Rd
Denton Tap Rd and Belt Line Rd

**SANDY LAKE ROAD
MAJOR INTERSECTIONS**

Sandy Lake Rd and Denton Tap Rd
Sandy Lake Rd and Moore Rd
Sandy Lake Rd and MacArthur Blvd

**BELT LINE ROAD
MAJOR INTERSECTIONS**

Belt Line Rd and MacArthur Rd
Belt Line Rd and Denton Tap Rd

**INTERSTATE 635
MAJOR INTERSECTIONS**

Interstate 635 and S Beltline Road



STATE HIGHWAY 121 INTERSECTIONS

State Highway 121 and Denton Tap Road
State Highway 121 and Freeport Parkway (Future)

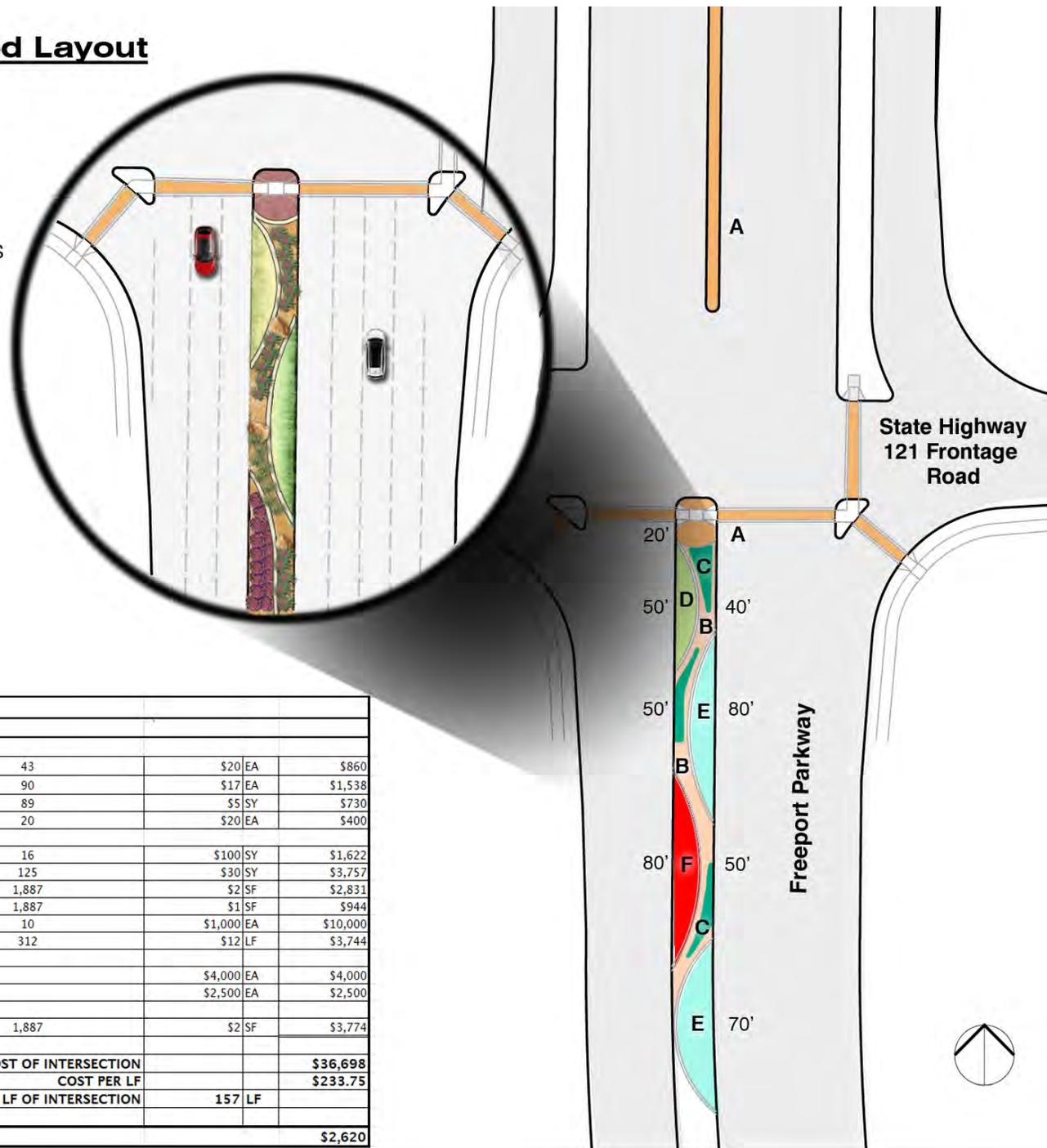


STATE HIGHWAY 121 MAJOR INTERSECTION IMPROVEMENTS



Intersection Plantings - Proposed Layout

- ZONE "A" - Stamped Concrete
- ZONE "B" - Decomposed Granite
- ZONE "C" - Red Yucca
- ZONE "D" - Mexican Feather Grass
- ZONE "E" - Lindheimers Muhly
- ZONE "F" - Knock Out Rose



STATE HIGHWAY 121				
STATE HIGHWAY 121 AND FREEPORT PARKWAY				
SHRUBS				
DOUBLE KNOCKOUT	43	\$20	EA	\$860
MEXICAN FEATHER GRASS	90	\$17	EA	\$1,538
LINDHEIMER MUHLY	89	\$5	SY	\$730
RED YUCCA	20	\$20	EA	\$400
HARDSCAPE				
STAMPED CONCRETE	16	\$100	SY	\$1,622
DC	125	\$30	SY	\$3,757
PLANTING MIX (SOIL BUILDER SYSTEMS)	1,887	\$2	SF	\$2,831
MULCH	1,887	\$1	SF	\$944
BOULDERS	10	\$1,000	EA	\$10,000
CONCRETE MOW STRIP	312	\$12	LF	\$3,744
MOBILIZATION		\$4,000	EA	\$4,000
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$2,500	EA	\$2,500
IRRIGATION	1,887	\$2	SF	\$3,774
TOTAL COST OF INTERSECTION				\$36,698
COST PER LF				\$233.75
TOTAL LF OF INTERSECTION			157 LF	
MAINTENANCE COST - YEARLY				\$2,620



STATE HIGHWAY 121 AND FREEPORT PARKWAY

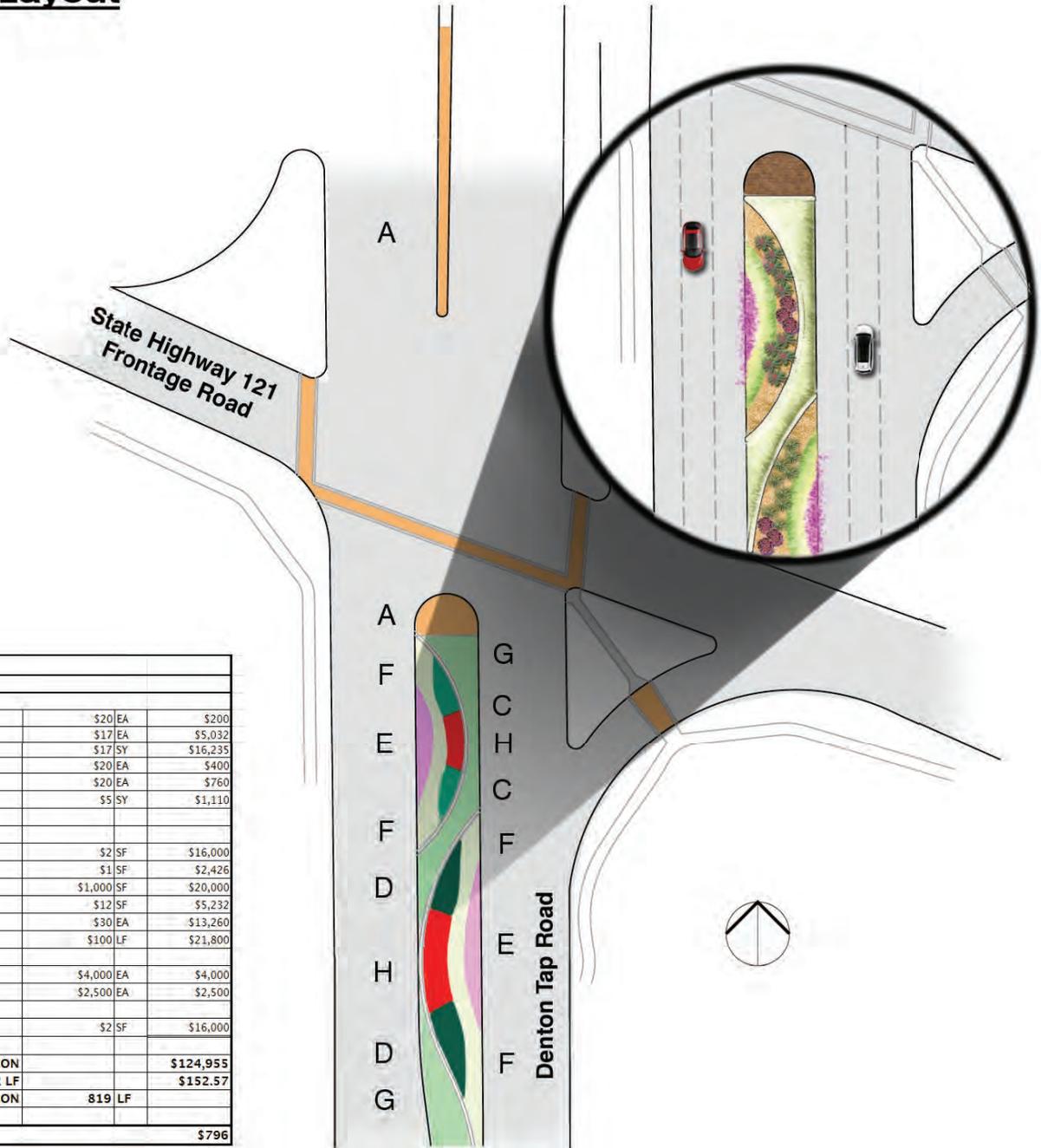
Major Intersection Improvements



Intersection Plantings - Proposed Layout

-  ZONE "A" - Stamped Concrete
-  ZONE "B" - Decomposed Granite
-  ZONE "C" - Red Yucca
-  ZONE "D" - Softleaf Yucca
-  ZONE "E" - Red Autumn Sage
-  ZONE "F" - Mexican Feather Grass
-  ZONE "G" - Buffalo Grass
-  ZONE "H" - Red Knock Out Rose

STATE HIGHWAY 121			
STATE HIGHWAY 121 AND DENTON TAP ROAD			
SHRUBS			
DOUBLE KNOCKOUT	10	\$20 EA	\$200
RED AUTUMN SAGE	296	\$17 EA	\$5,032
MEXICAN FEATHER GRASS	955	\$17 SY	\$16,235
RED YUCCA	20	\$20 EA	\$400
SOFTLEAF YUCCA	38	\$20 EA	\$760
BUFFALO GRASS	222	\$5 SY	\$1,110
HARDSCAPE			
PLANTING MIX (SOIL BUILDER SYSTEMS)	8,000	\$2 SF	\$16,000
MULCH	2,426	\$1 SF	\$2,426
BOULDERS	20	\$1,000 SF	\$20,000
CONCRETE MOW STRIP	436	\$12 SF	\$5,232
DC	442	\$30 EA	\$13,260
STAMPED CONCRETE	218	\$100 LF	\$21,800
MOBILIZATION			
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$4,000 EA	\$4,000
		\$2,500 EA	\$2,500
IRRIGATION			
	8,000	\$2 SF	\$16,000
TOTAL COST OF INTERSECTION			\$124,955
COST PER LF			\$152.57
TOTAL LF OF INTERSECTION			819 LF
MAINTENANCE COST - YEARLY			\$796

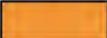
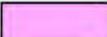
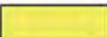
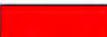


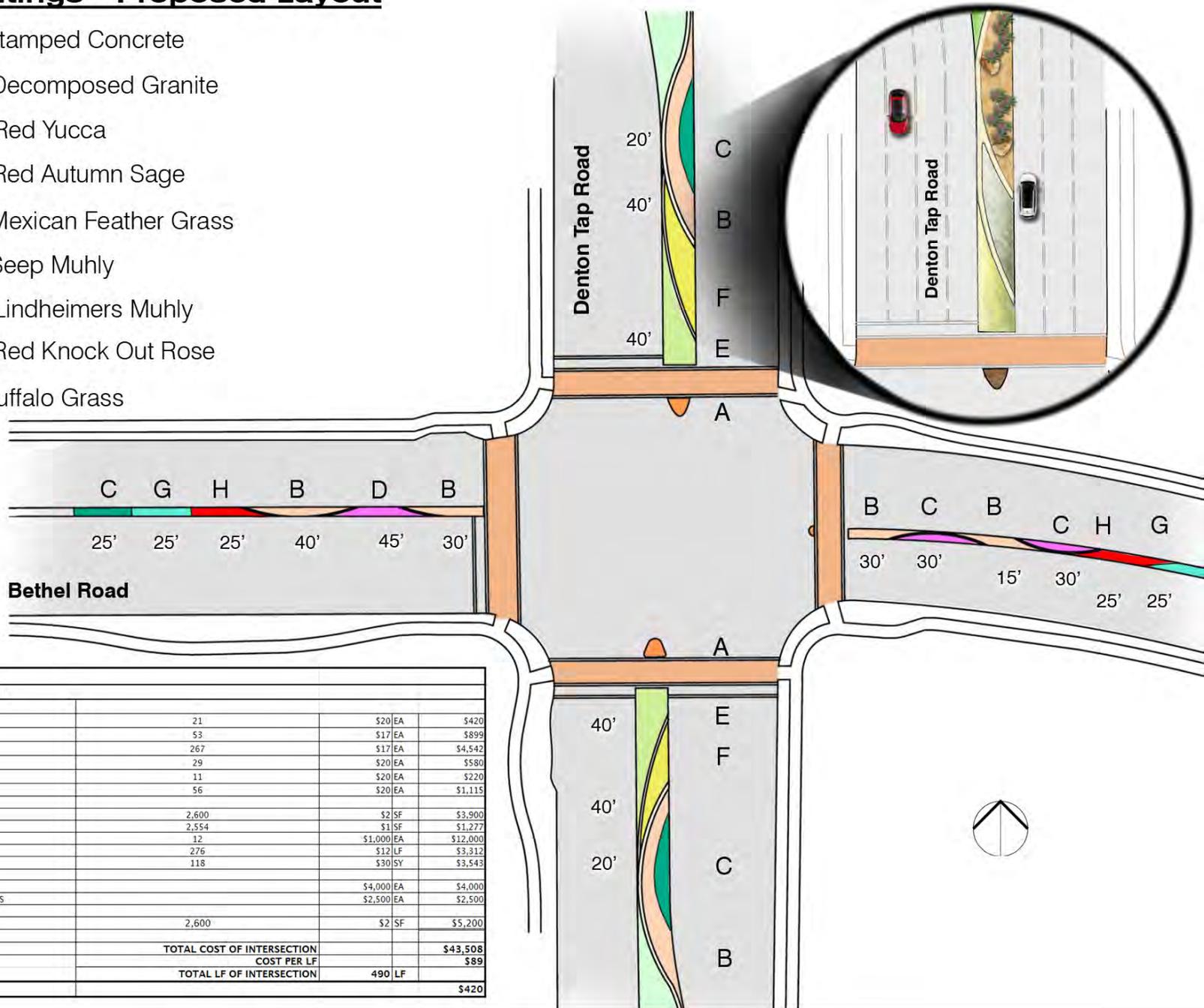


DENTON TAP ROAD MAJOR INTERSECTIONS

Denton Tap Road and Sandy Lake Road
Denton Tap Road and Bethel Road
Denton Tap Road and Belt Line Road

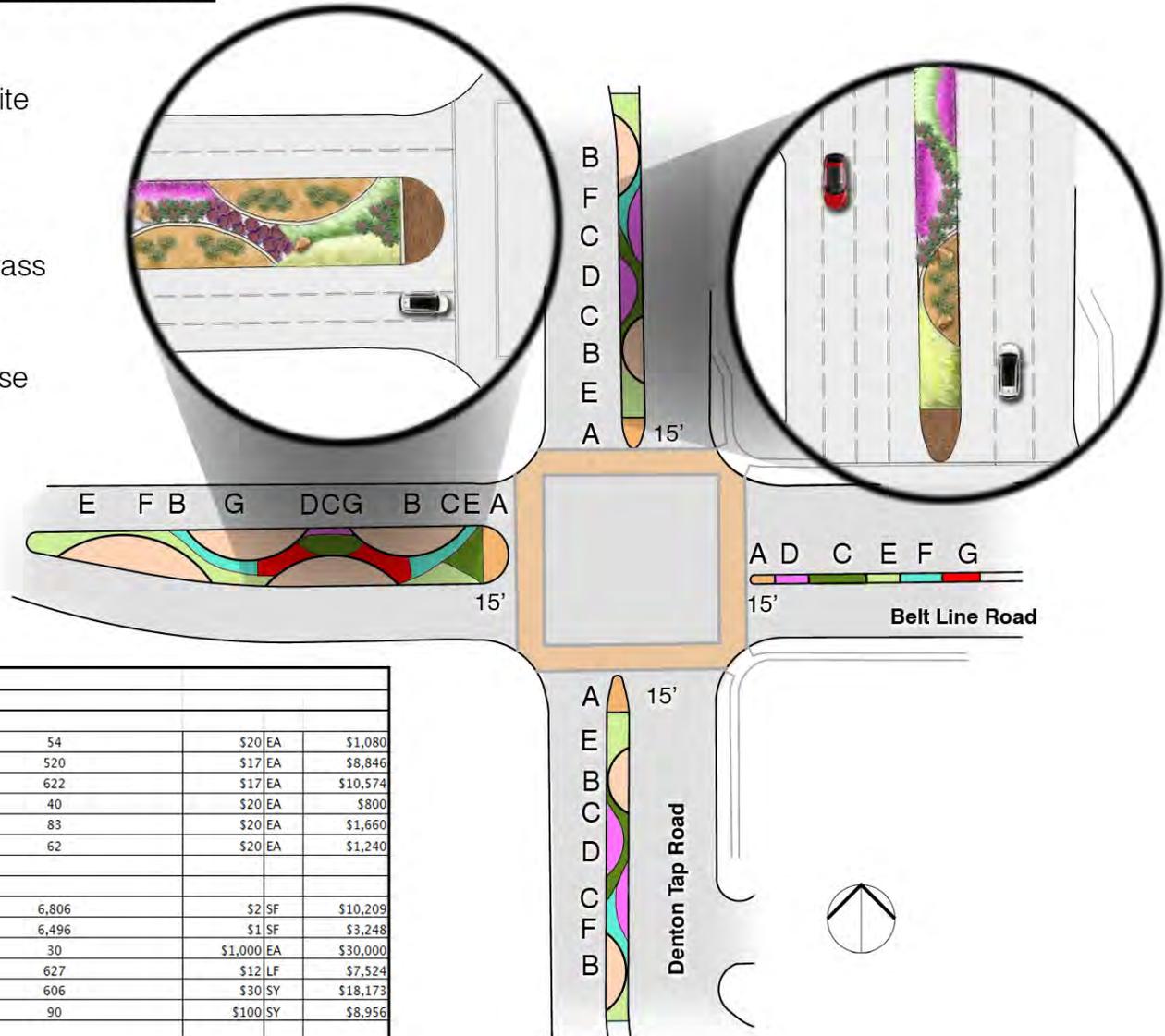
Intersection Plantings - Proposed Layout

-  ZONE "A" - Stamped Concrete
-  ZONE "B" - Decomposed Granite
-  ZONE "C" - Red Yucca
-  ZONE "D" - Red Autumn Sage
-  ZONE "E" - Mexican Feather Grass
-  ZONE "F" - Seep Muhly
-  ZONE "G" - Lindheimers Muhly
-  ZONE "H" - Red Knock Out Rose
-  ZONE "I" - Buffalo Grass



Intersection Plantings - Proposed Layout

- ZONE "A" - Stamped Concrete
- ZONE "B" - Decomposed Granite
- ZONE "C" - Red Yucca
- ZONE "D" - Red Autumn Sage
- ZONE "E" - Mexican Feather Grass
- ZONE "F" - Lindheimers Muhly
- ZONE "G" - Red Knock Out Rose



DENTON TAP			
DENTON TAP AND BELT LINE INTERSECTION			
SHRUBS			
DOUBLE KNOCKOUT	54	\$20 EA	\$1,080
RED AUTUMN SAGE	520	\$17 EA	\$8,846
MEXICAN FEATHER GRASS	622	\$17 EA	\$10,574
RED YUCCA	40	\$20 EA	\$800
SOFTLEAF YUCCA	83	\$20 EA	\$1,660
LINDHEIMERS MUHLY	62	\$20 EA	\$1,240
HARDSCAPE			
PLANTING MIX (SOIL BUILDER SYSTEMS)	6,806	\$2 SF	\$10,209
MULCH	6,496	\$1 SF	\$3,248
BOULDERS	30	\$1,000 EA	\$30,000
CONCRETE MOW STRIP	627	\$12 LF	\$7,524
DC	606	\$30 SY	\$18,173
STAMPED CONCRETE	90	\$100 SY	\$8,956
MOBILIZATION		\$4,000 EA	\$4,000
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES		\$2,500 EA	\$2,500
IRRIGATION		6,806	\$2 SF
			\$13,612
		TOTAL COST OF INTERSECTION	\$122,422
		COST PER LF	\$149
		TOTAL LF OF INTERSECTION	819 LF
MAINTENANCE COST - YEARLY			\$1,320



SANDY LAKE ROAD INTERSECTIONS

Sandy Lake Road and Denton Tap Road
Sandy Lake Road and MacArthur Boulevard
Sandy Lake Road and Moore Road



SANDY LAKE ROAD MAJOR INTERSECTION IMPROVEMENTS





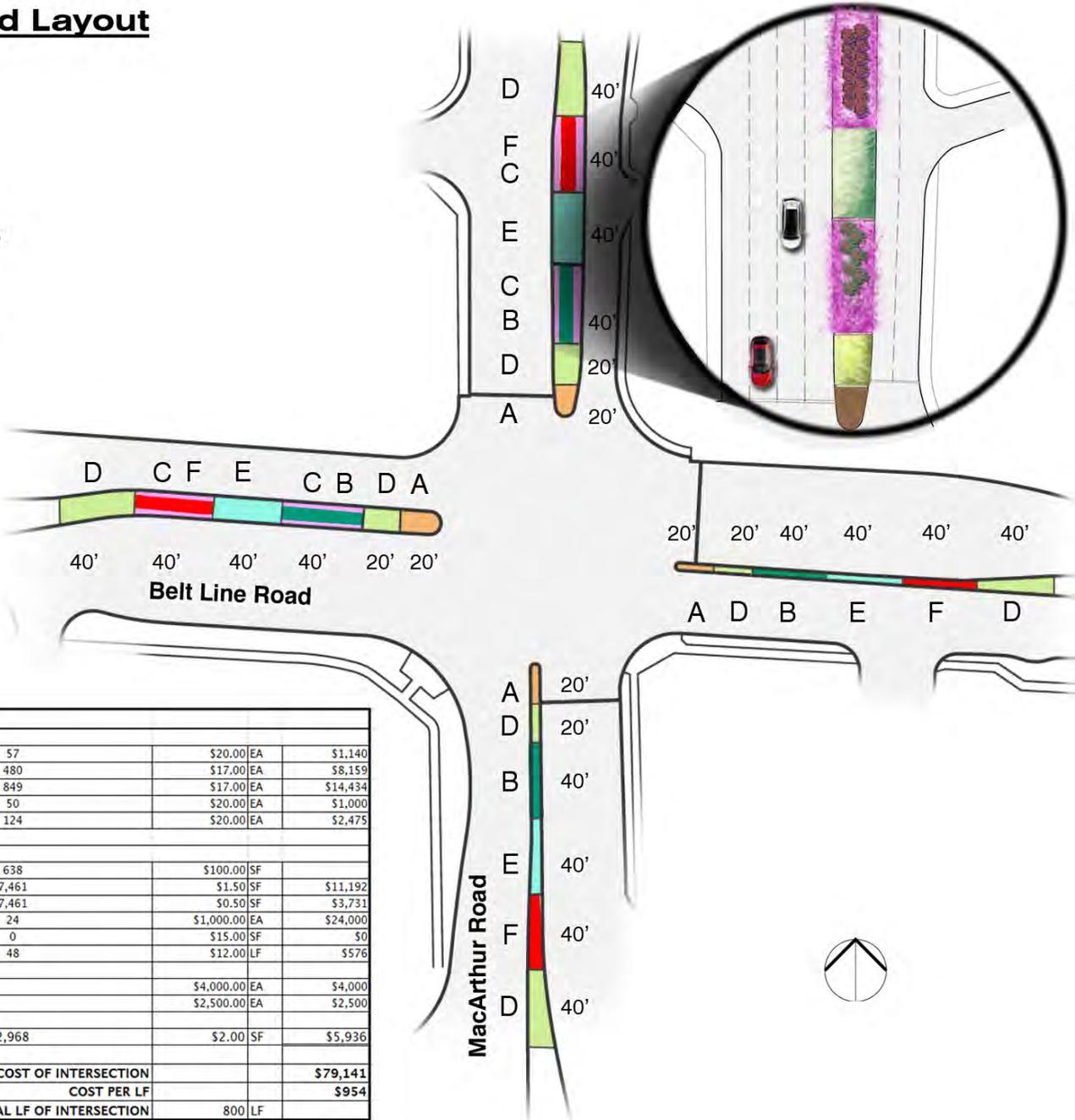
BELT LINE ROAD INTERSECTIONS

Belt Line Road and MacArthur Boulevard

Belt Line Road and Denton Tap Road

Intersection Plantings - Proposed Layout

- ZONE "A" - Stamped Concrete
- ZONE "B" - Red Yucca
- ZONE "C" - Red Autumn Sage
- ZONE "D" - Mexican Feather Grass
- ZONE "E" - Lindheimers Muhly
- ZONE "F" - Red Knock Out Rose



BELTLINE ROAD AND MACARTHUR BOULEVARD				
SHRUBS				
DOUBLE KNOCKOUT	57	\$20.00	EA	\$1,140
RED AUTUMN SAGE	480	\$17.00	EA	\$8,159
MEXICAN FEATHER GRASS	849	\$17.00	EA	\$14,434
RED YUCCA	50	\$20.00	EA	\$1,000
LINDHEIMER MUHLY	124	\$20.00	EA	\$2,475
HARDSCAPE				
STAMPED CONCRETE	638	\$100.00	SF	
PLANTING MIX (SOIL BUILDER SYSTEMS)	7,461	\$1.50	SF	\$11,192
MULCH	7,461	\$0.50	SF	\$3,731
BOULDERS	24	\$1,000.00	EA	\$24,000
ROCK DRY BED	0	\$15.00	SF	\$0
CONCRETE MOW STRIP	48	\$12.00	LF	\$576
MOBILIZATION				\$4,000
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES				\$2,500
IRRIGATION	2,968	\$2.00	SF	\$5,936
TOTAL COST OF INTERSECTION				\$79,141
COST PER LF				\$954
TOTAL LF OF INTERSECTION				800 LF
MAINTENANCE COST - YEARLY				\$792



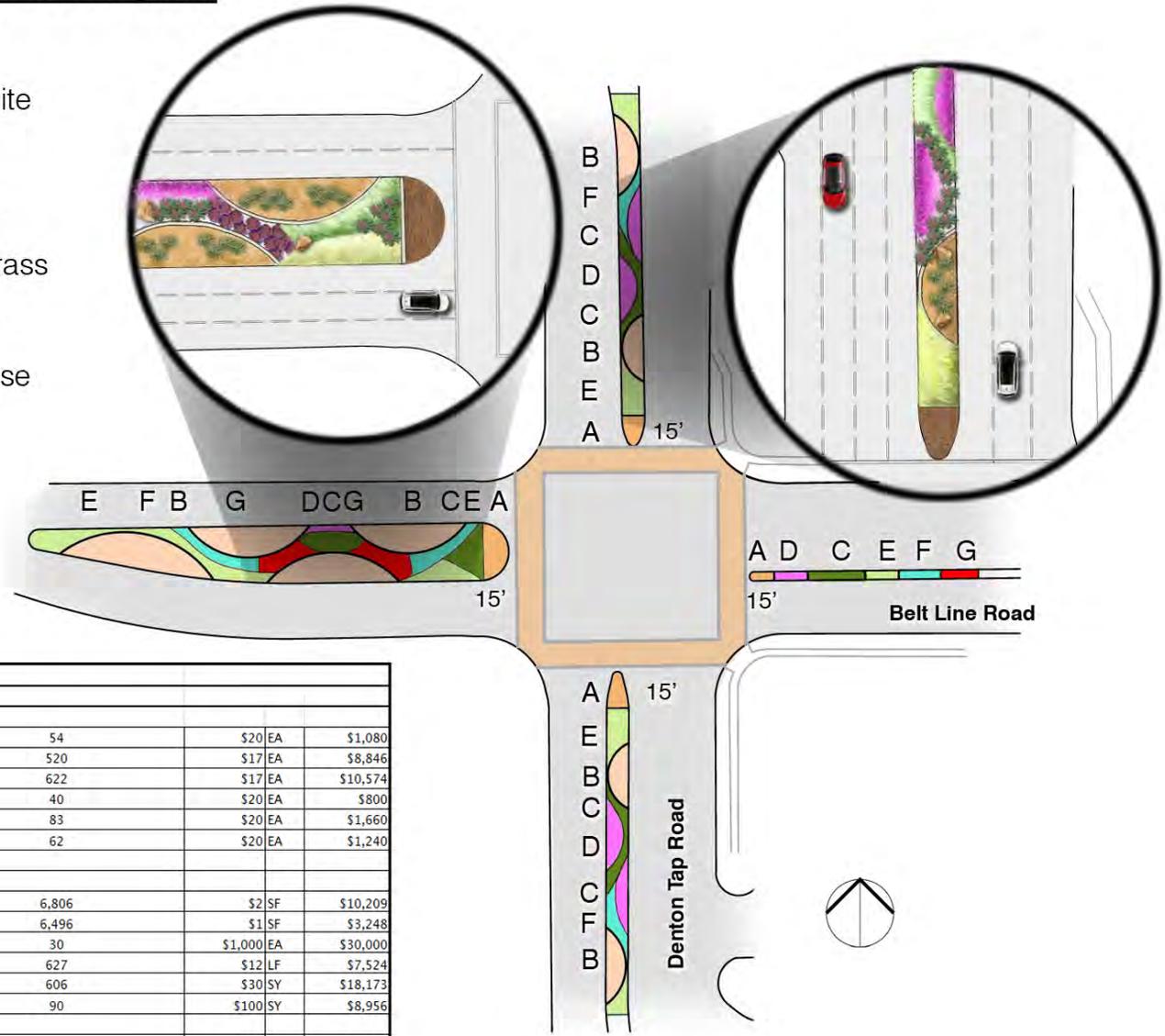
BELT LINE ROAD AND MACARTHUR BOULEVARD

Major Intersection Improvements



Intersection Plantings - Proposed Layout

- ZONE "A" - Stamped Concrete
- ZONE "B" - Decomposed Granite
- ZONE "C" - Red Yucca
- ZONE "D" - Red Autumn Sage
- ZONE "E" - Mexican Feather Grass
- ZONE "F" - Lindheimers Muhly
- ZONE "G" - Red Knock Out Rose



DENTON TAP					
DENTON TAP AND BELT LINE INTERSECTION					
SHRUBS					
DOUBLE KNOCKOUT	54	\$20	EA	\$1,080	
RED AUTUMN SAGE	520	\$17	EA	\$8,846	
MEXICAN FEATHER GRASS	622	\$17	EA	\$10,574	
RED YUCCA	40	\$20	EA	\$800	
SOFTLEAF YUCCA	83	\$20	EA	\$1,660	
LINDHEIMERS MUHLY	62	\$20	EA	\$1,240	
HARDSCAPE					
PLANTING MIX (SOIL BUILDER SYSTEMS)	6,806	\$2	SF	\$10,209	
MULCH	6,496	\$1	SF	\$3,248	
BOULDERS	30	\$1,000	EA	\$30,000	
CONCRETE MOW STRIP	627	\$12	LF	\$7,524	
DC	606	\$30	SY	\$18,173	
STAMPED CONCRETE	90	\$100	SY	\$8,956	
MOBILIZATION			\$4,000	EA	\$4,000
FURNISH AND INSTALL TRAFFIC CONTROL AND BARRICADES			\$2,500	EA	\$2,500
IRRIGATION		6,806	\$2	SF	\$13,612
TOTAL COST OF INTERSECTION				\$122,422	
COST PER LF				\$149	
TOTAL LF OF INTERSECTION			819	LF	
MAINTENANCE COST - YEARLY				\$1,320	



APPENDIX

Existing Plant Material Classified by Street **EXHIBIT A**

Existing Canopy and Ornamental Trees Classified by Street **EXHIBIT B**

Total Cost of New Plantings Intersection and Median Improvements **EXHIBIT C**

Total Cost of Maintenance for New Plantings Intersection and Median Improvements **EXHIBIT D**

Median and Linear Foot Summaries by Street **EXHIBIT E**

EXISTING PLANT MATERIAL CLASSIFIED BY STREET

	Beltline	Denton Tap	MacArthur	Royal	Bethel	Freeport	Parkway	Sandy Lake Rd
Trees (Canopy)								
Post Oak								
Bur Oak								
Red Oak								
Chinquapin Oak								
Live Oak								
Bald Cypress								
Chinese Pistache								
Magnolia								
Pecan								
Ash								
Cedar Elm								
Pecan								
Austrian Pine								
Desert Willow								
Trees (Ornamental)								
Wax Myrtle								
Crape Myrtle								
Redbud								
Mexican Plum								
Mexican Buckeye								
Shrubs/Perennials								
Red Yucca								
Red Autumn Sage								
Nandina								
Loropetalum								
Perennial Grasses (> 3')								
Dwf Yaupon								
Knockout Roses								
Softleaf Yucca								
Groundcover								
Perennial Grasses (< 3')								
Liriope								
Buffalo Grass								
Asian Jasmine								
Bermuda								

EXISTING CANOPY AND ORNAMENTAL TREES CLASSIFIED BY STREET

E BELTLINE ROAD	NUMBER OF TREES
CRAPE MYRTLE	5

DENTON TAP ROAD	NUMBER OF TREES
ASH	1
BALD CYPRESS	2
RED OAK	3
BRADFORD PEAR	10
MEXICAN PLUM	2
MEXICAN BUCKEYE	5
CHINESE PISTACHE	6
CEDAR ELM	115
CRAPE MYRTLE	55
REDBUD	14
WAX MYRTLE	2
TOTAL NUMBER OF TREES	215

MACARTHUR BOULEVARD	NUMBER OF TREES
MAGNOLIA	1
MEXICAN PLUM	6
RED OAK	1
PECAN	20
CHIN OAK	10
CEDAR ELM	100
LIVE OAK	18
TOTAL NUMBER OF TREES	156

SANDY LAKE ROAD	NUMBER OF TREES
BALD CYPRESS	68
DESERT WILLOW	23
PINE	19
REDBUD	6
WAX MYRTLE	13
CRAPE MYRTLE	8
TOTAL NUMBER OF TREES	137

PARKWAY BLVD	NUMBER OF TREES
BUR OAK	1
RED OAK	2
CHINESE PISTACHE	1
BRADFORD PEAR	2
LIVE OAK	20
WAX MYRTLE	2
CEDAR ELM	43
REDBUD	15
CRAPE MYRTLE	22
TOTAL NUMBER OF TREES	108

FREEPORT PARKWAY	NUMBER OF TREES
CEDAR ELM	67
BALD CYPRESS	19
CRAPE MYRTLE	59
TOTAL NUMBER OF TREES	145

S BELTLINE ROAD	NUMBER OF TREES
CEDAR ELM	29
RED OAK	1
LIVE OAK	3
BRADFORD PEAR	10
BALD CYPRESS	4
MEXICAN PLUM	2
TOTAL NUMBER OF TREES	49

ROYAL LANE	NUMBER OF TREES
RED OAK	
LIVE OAK	5
BALD CYPRESS	
CEDAR ELM	
DESERT WILLOW	6
CRAPE MYRTLE	12
REDBUD	
TOTAL NUMBER OF TREES	23

BETHEL ROAD	NUMBER OF TREES
BALD CYPRESS	30
PINE	32
REDBUD	20
TOTAL NUMBER OF TREES	82

Total Installation Cost for New Plantings - Median and Intersection Improvements

Median Improvements

STREET NAME	TOTAL COST OF NEW PLANTINGS PER MEDIAN	COST OF NEW PLANTINGS PER LF	TOTAL NUMBER OF MEDIANS	TOTAL COST OF MEDIANS
E Belt Line Rd	\$59,211	\$48	8	\$473,686
Denton Tap Rd	\$102,381	\$303	28	\$2,866,668
MacArthur Blvd	\$108,360	\$226	31	\$3,359,160
S. Beltline Rd	\$304,626	\$901	13	\$3,960,138
Freeport Pkwy	\$199,950	\$284	22	\$4,398,907
Royal Ln	\$105,283	\$203	15	\$1,579,245
Parkway Boulevard	\$83,174	\$153	14	\$1,164,440
TOTAL COST OF NEW PLANTINGS FOR INCLUDED MEDIANS				\$17,802,244

Intersection Improvements

INTERSECTION	TOTAL LF OF INTERSECTION	COST OF NEW PLANTINGS PER LF	TOTAL COST OF INTERSECTION
Denton Tap Rd and Sandy Lake Rd	663	\$100.29	\$66,495
Denton Tap Rd and Bethel Rd	490	\$88.79	\$43,508
Denton Tap Rd and Belt Line Rd	819	\$149.48	\$122,422
Beltline Rd and MacArthur Blvd	825	\$95.93	\$79,141
Sandy Lake Rd and Moore Rd	332	\$87.76	\$29,136
Sandy Lake Rd and MacArthur Blvd	340	\$171.29	\$58,239
State Highway 121 and Denton Tap Rd	820	\$146.00	\$119,742
State Highway 121 and Freeport Parkwa	157	\$233.75	\$36,699
TOTAL COST OF NEW PLANTINGS FOR INCLUDED INTERSECTIONS			\$555,382

Total Maintenance Cost for New Plantings - Intersection and Median Improvements

Median Improvements

STREET NAME	AVERAGE WIDTH OF MEDIAN	AVERAGE LF OF MEDIAN	TOTAL SF OF MEDIAN	ANNUAL MAINTENANCE COST OF MEDIAN	COST PER LF	MONTHLY COST PER LF
E Belt Line Rd	30	1218	36,540	\$4,019	\$3.30	\$334.95
Denton Tap Rd	24	338	8,112	\$892	\$2.64	\$74.36
MacArthur Blvd	35	480	16,800	\$1,848	\$3.85	\$154.00
S Belt Line Rd	25	626	15,650	\$1,722	\$2.75	\$143.46
Freeport Pkwy	30	703	21,090	\$2,320	\$3.30	\$193.33
Royal Ln	30	507	15,210	\$1,673	\$3.30	\$139.43
Parkway Boulevard	15	545	8,175	\$899	\$1.65	\$74.94
Bethel Road	15	439	6,585	\$724	\$1.65	\$60.36
TOTAL ANNUAL COST OF MAINTENANCE				\$14,098		
TOTAL MONTHLY COST OF MAINTENANCE						\$1,175

Intersection Improvements

INTERSECTION	AVERAGE WIDTH OF MEDIAN	AVERAGE LF OF MEDIAN	TOTAL SF OF MEDIAN	ANNUAL MAINTENANCE COST OF MEDIAN	COST PER LF	MONTHLY COST PER LF
Denton Tap Rd and Sandy Lake Rd	5	662	3,310	\$364	\$0.55	\$30.34
Denton Tap Rd and Bethel Rd	8	490	3,920	\$431	\$0.88	\$35.93
Denton Tap Rd and Belt Line Rd	15	819	12,285	\$1,351	\$1.65	\$112.61
Beltline Rd and MacArthur Blvd	9	800	7,200	\$792	\$0.99	\$66.00
Sandy Lake Rd and Moore Rd	6	330	1,980	\$218	\$0.66	\$18.15
Sandy Lake Rd and MacArthur Blvd	15	336	5,040	\$554	\$1.65	\$46.20
State Highway 121 and Denton Tap Rd	20	362	7,240	\$796	\$2.20	\$66.37
State Highway 121 and Freeport Pkwy	38	701	23,818	\$2,620	\$3.74	\$218.33
TOTAL ANNUAL COST OF MAINTENANCE				\$4,507		
TOTAL MONTHLY COST OF MAINTENANCE						\$594