

OKLAHOMA CITY STREETScape

THE OFFICE OF JAMES BURNETT
MURASE ASSOCIATES
SPECK & ASSOCIATES LLC

LEMKE LAND SURVEYING, INC.
CARDINAL ENGINEERING
SMITH ROBERTS BALDISCHWILER, LLC.
MACARTHUR ASSOCIATED CONSULTANTS, LLC.
JOHNSON & ASSOCIATES, INC.
TETRA TECH
MYERS ENGINEERING
COON ENGINEERING, INC.
LEGACY ENGINEERING, INC.



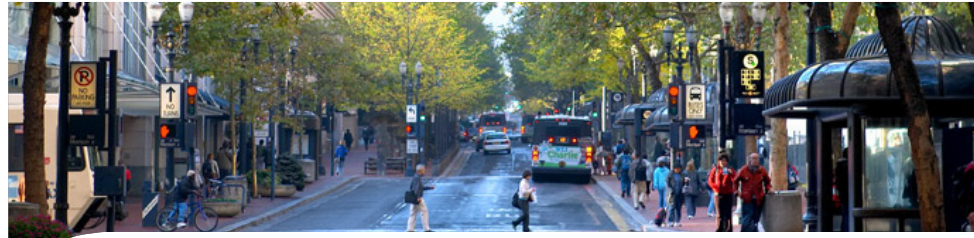
PROJECT180
TRANSFORMING 180 ACRES OF DOWNTOWN

OKLAHOMA CITY STREETScape - PROJECT SCHEDULE

ID	Project Task	Duration	Start Date	July				August				September				October				November				December				January				February				March			
				6	12	19	26	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	1	8	15	22	1	8
Schematic Design (July 1 - October 9)		100 days																																					
1	Meeting Traffic/Streetscape Work Session	1 day	2/2/2009																																				
2	ADA Certification Class	1 day	2/11/2009																																				
3	Project Meeting, Civil, Traffic	1 day	7/1/2009	1																																			
4	Steering Committee Meeting #1	1 day	7/14/2009	14																																			
5	Steering Committee Meeting #2	1 day	7/28/2009		28																																		
6	Steering Committee Meeting #3	3 days	8/11/2009			11																																	
7	Steering Committee Meeting #4, Finalize Traffic Plan	1 day	8/25/2009				25																																
8	Steering Committee Meeting #5	1 day	9/8/2009					8																															
9	Local Firm Presentation, Work Sessions, Meeting #6	2 day	9/23-24/2009						22																														
10	Local Firm Interviews	3 day	10/5,7,8, 2009							7																													
11	Issue Schematic Design Package	1 day	10/9/2009								9																												
Design Development (October 1, 2009 - March 31, 2010)		120 days																																					
15	Design Development Steering Committee Meeting #7, DD Kick-off	2 day	10/21-22/2009																					21															
16	Steering Committee Meeting #8, Design Team Meeting	2 day	11/4-5/2009																			4																	
17	Steering Committee Meeting #9, Design Team Meeting	2 day	11/18-19/2009																	18																			
18	Steering Committee Meeting #10, Design Team Meeting	2 day	12/2-3/2009															2																					
19	Steering Committee Meeting #11, Design Team Meeting	2 day	12/15-16/2009													16																							
20	Issue 50% Design Development Package	1 day	12/18/2009												18																								
21	Steering Committee Meeting #12, Design Team Meeting	2 day	1/6-7/2010											6																									
22	Submit DDRC Informational Package Submittal	1 day	1/11/2010										11																										
23	Steering Committee Meeting #13, DDRC Informational Presentation	2 day	1/20-21/2010									20																											
24	Steering Committee Meeting #14 Design Development Presentation	2 day	2/3-4/2010								3																												
25	Submit DDRC Formal Package	1 day	2/8/2010							8																													
24	Project 180 Meeting	1 day	2/18/2010						17																														
25	Issue 100% Design Development Package, 50% DD Expanded Scope	1 day	2/22/2010					22																															
26	Project 180 Meeting	1 day	3/4/2010				4																																
27	DDRC Presentation, Project 180 Meeting	1 day	3/18/2010			18																																	
28	Issue Final 100% Design Development Package	1 day	3/31/2010		31																																		
Construction Drawings Phase (November 1, 2009 - June 30, 2012)																																							
26	Construction Phase Kick-off	1 day	11/1/2010																			2																	
Bidding Phase (2010 - 2012)																																							
27	Bidding Phase Kick-off	1 day	3/1/2010																												1								
Construction Phase (May 1, 2010 - November 2012)																																							
28	Construction Phase Kick-off	1 day	5/1/2010																																				

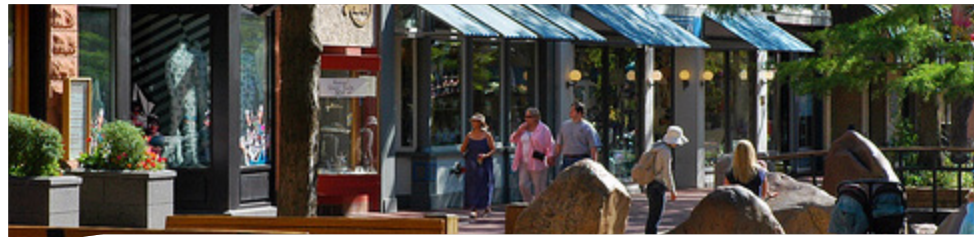
OKLAHOMA CITY STREETScape - PROJECT GOALS

01



“CREATE A COHESIVE CENTRAL BUSINESS DISTRICT.” 21ST CENTURY CITY, MEMORABLE.

02



A STREETScape THAT IS UNIQUE TO “OKLAHOMA CITY” LOCAL CONTEXT.

03



“CREATE A NEW URBAN FABRIC,” THAT ALLOWS FOR FUTURE FLEXIBILITY, GROWTH.

04



“CREATE AN ACCESSIBLE ENVIRONMENT.” AUTOMOBILE, PEDESTRIAN, BICYCLE, ABILITIES.

05



“DEVELOP A NEW SUSTAINABLE SYSTEM.” LEED PRINCIPLES, WATER, LOCAL MATERIALS, SHADE, COMFORT DEFINITION.

OKLAHOMA CITY

PROJECT AERIAL

CONSTRUCTION DATA

AREA OF DEMOLITION
2,784,785 SQ FT, 64 ACRES

LANDSCAPE AREA
187,000 SQ FT, 4.3 ACRES

SIGNAL POLES
172 POLES

STREET LIGHTS
711 LAMPS

STREET TREES
1,816

CURBS & GUTTERS
80,378 LINEAR FEET

TREE IN GRATES
377

PARKING / ACCESSIBLE / GREEN
1100 TOTAL / 68 / 40

PROJECT DATA

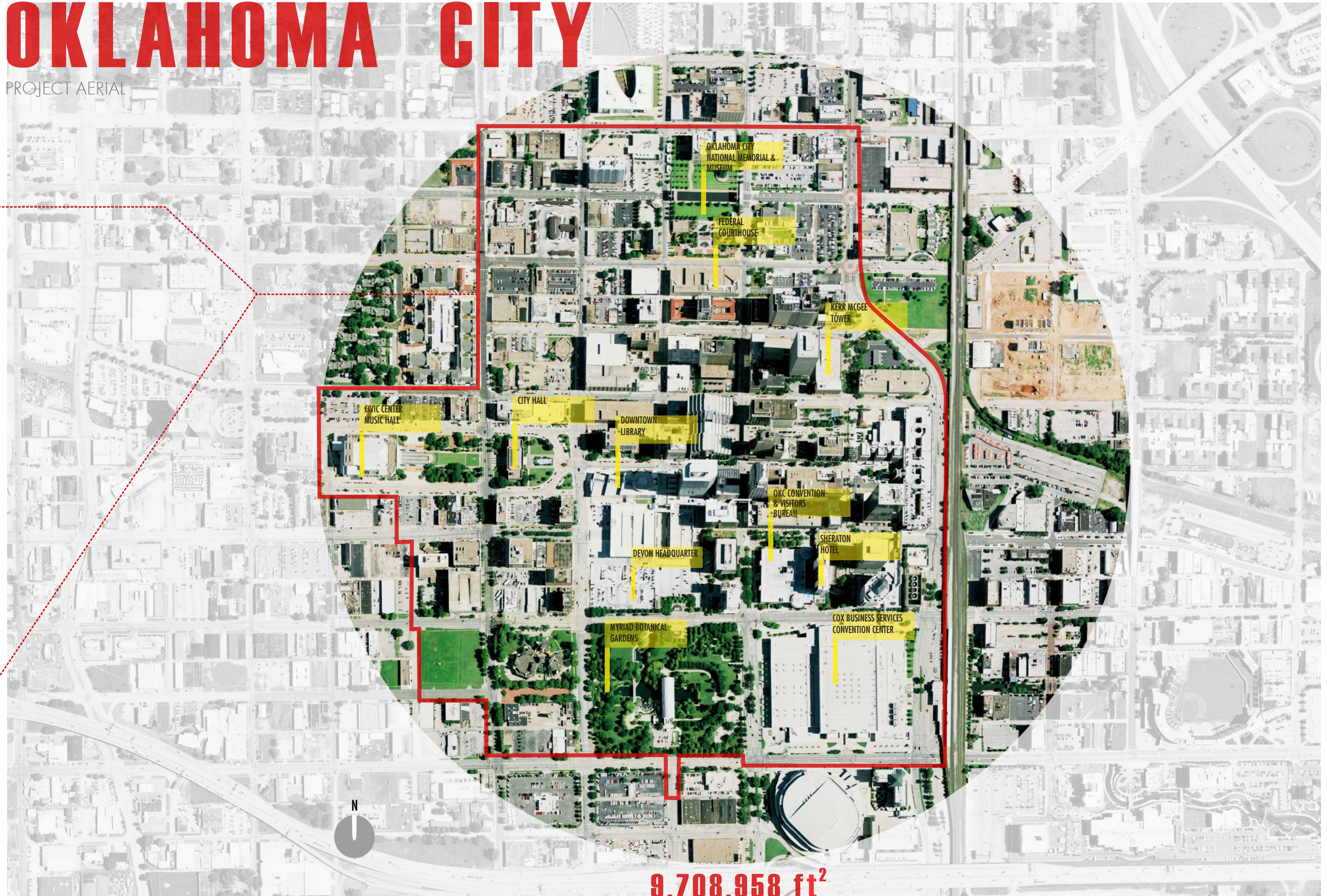
AREA OF SITE
9,708,958 SQUARE FEET, 222 ACRES +/-

HUMAN POPULATION
CITY 547,274
METRO 1,262,027

CITY BLOCKS
50 BLOCKS

BLOCK FACES 92
49 EAST WEST
43 NORTH SOUTH

INTERSECTIONS
51 INTERSECTIONS

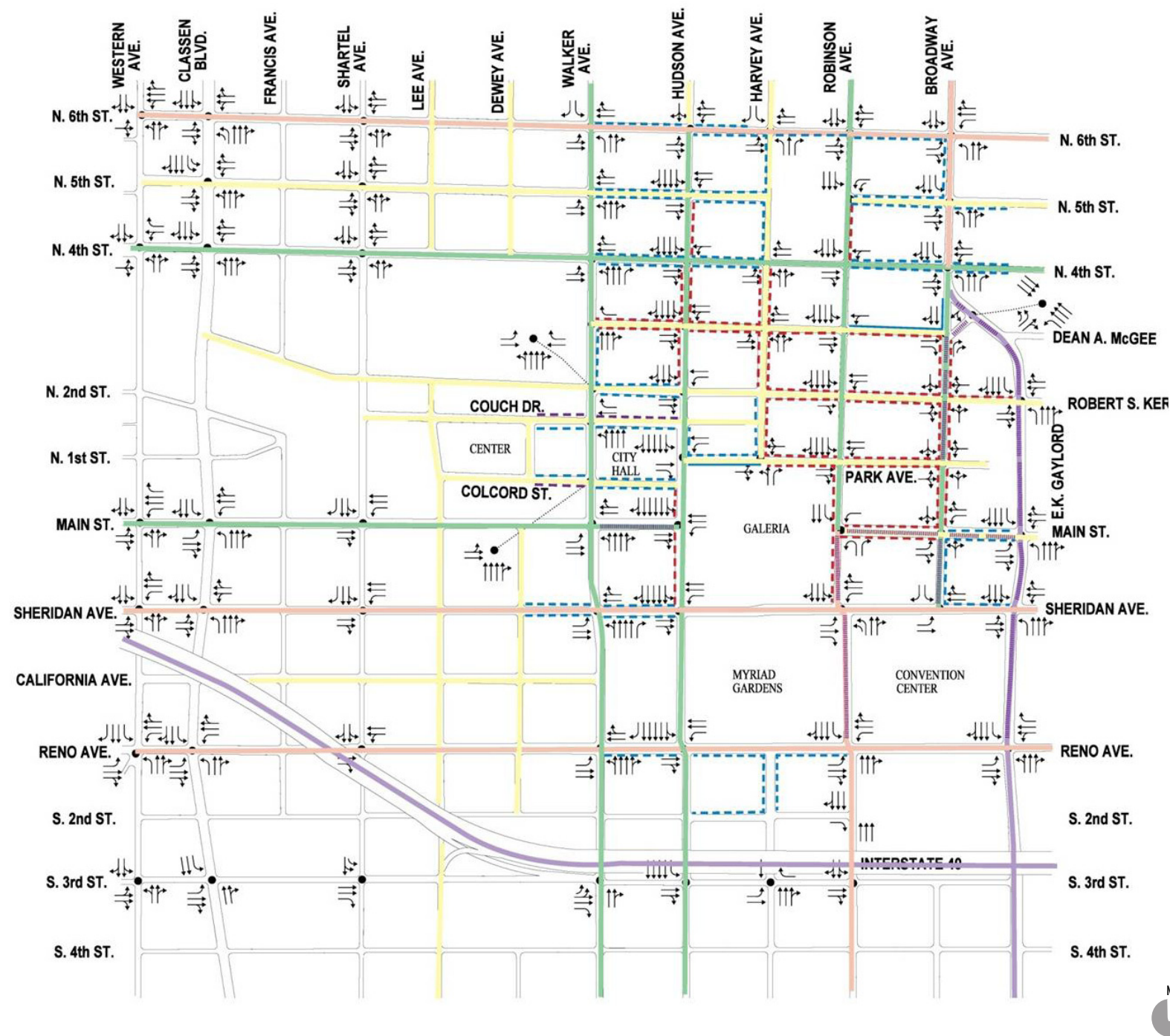


9,708,958 ft²

1

STREET DIAGRAMS

EXISTING TRAFFIC CIRCULATION












EXISTING CONDITIONS

- THE TRAFFIC PLAN CURRENTLY HAS ONE-WAY AND TWO-WAY STREETS IN THE CENTRAL BUSINESS DISTRICT.
- MANY OF THE TRAFFIC LANES ARE OVERSIZED BASED ON POSTED TRAFFIC SPEEDS.
- THE CROSS WALK SIGNALIZATION IS CURRENTLY AN ON DEMAND SYSTEM.
- CURB RAMPS AND ACCESSIBLE ROUTES LACK AN OVERALL COHESIVE STANDARD WITH MANY LOCATIONS BEING NON-COMPLIANT.
- CURB ALIGNMENTS AND DRIVE WIDTHS DO NOT MATCH THE CURRENT OR EXISTING ADJACENCIES.
- STREETScape AMENITIES LACK STANDARDS, REQUIRE MAINTENANCE OR ARE MISSING IN PARTS OF THE CENTRAL BUSINESS DISTRICT.
- THE URBAN CANOPY HAS MULTIPLE GAPS WITH MANY STREETS ABSENT OF STREET TREES AND PLANTING. A LARGE PERCENTAGE OF THE URBAN CANOPY CONSISTS OF UNHEALTHY TREES AND TREES WITH BREAKAGE AND ICE DAMAGE.

KEY URBAN OVERLAYS FOR DESIGN CONSIDERATION

- EXTENSIVE PHOTO INVENTORY AND SITE ANALYSIS ON A STREET BY STREET BASIS.
- BASE SURVEY FOR THE PROJECT I80 SCOPE.
- TRAFFIC CIRCULATION AND STREETScape TYPOLOGY, PRINCIPLE ARTERIALS, MINOR ARTERIALS, COLLECTOR STREETS AND LOCAL STREETS.
- STREET WIDTHS, LANE WIDTHS, ON STREET PARKING LAYOUT.
- BIKE ROUTES, PEDESTRIAN CORRIDORS, TUNNEL SYSTEM, SKY BRIDGE SYSTEM.
- DOWNTOWN STREETScape MASTER PLAN, CORE TO SHORE PLANNING STUDY, DOWNTOWN DISTRICTS OVERLAY, OKLAHOMA CITY TREE INVENTORY AND PLANTER STUDY.
- METRO TRANSIT SYSTEM, TROLLEY SYSTEM, TRANSIT CENTER.
- OPEN SPACE AND URBAN PLAZAS, GREEN SPACE AND PUBLIC ART.
- EXISTING MAINTENANCE STRATEGIES, RESPONSIBILITIES, AGENCIES AND RESPONSIBILITIES.

LEGEND

	6 THROUGH LANES (WITH ADDITIONAL TURNING LANES)		TRAFFIC LANE
	4 THROUGH LANES (WITH ADDITIONAL TURNING LANES)		ON-STREET PARALLEL PARKING (DEDICATED LANE)
	4 THROUGH LANES		ON-STREET PARALLEL PARKING (FLEXIBLE LANE DURING OFF-PEAK HOURS ONLY)
	2 THROUGH LANES		ON-STREET ANGLED PARKING (DEDICATED LANE)
	PLANTED MEDIAN		

OKLAHOMA CITY STREETScape - **METHODOLOGY**



PARK AVENUE AT ROBINSON AVENUE

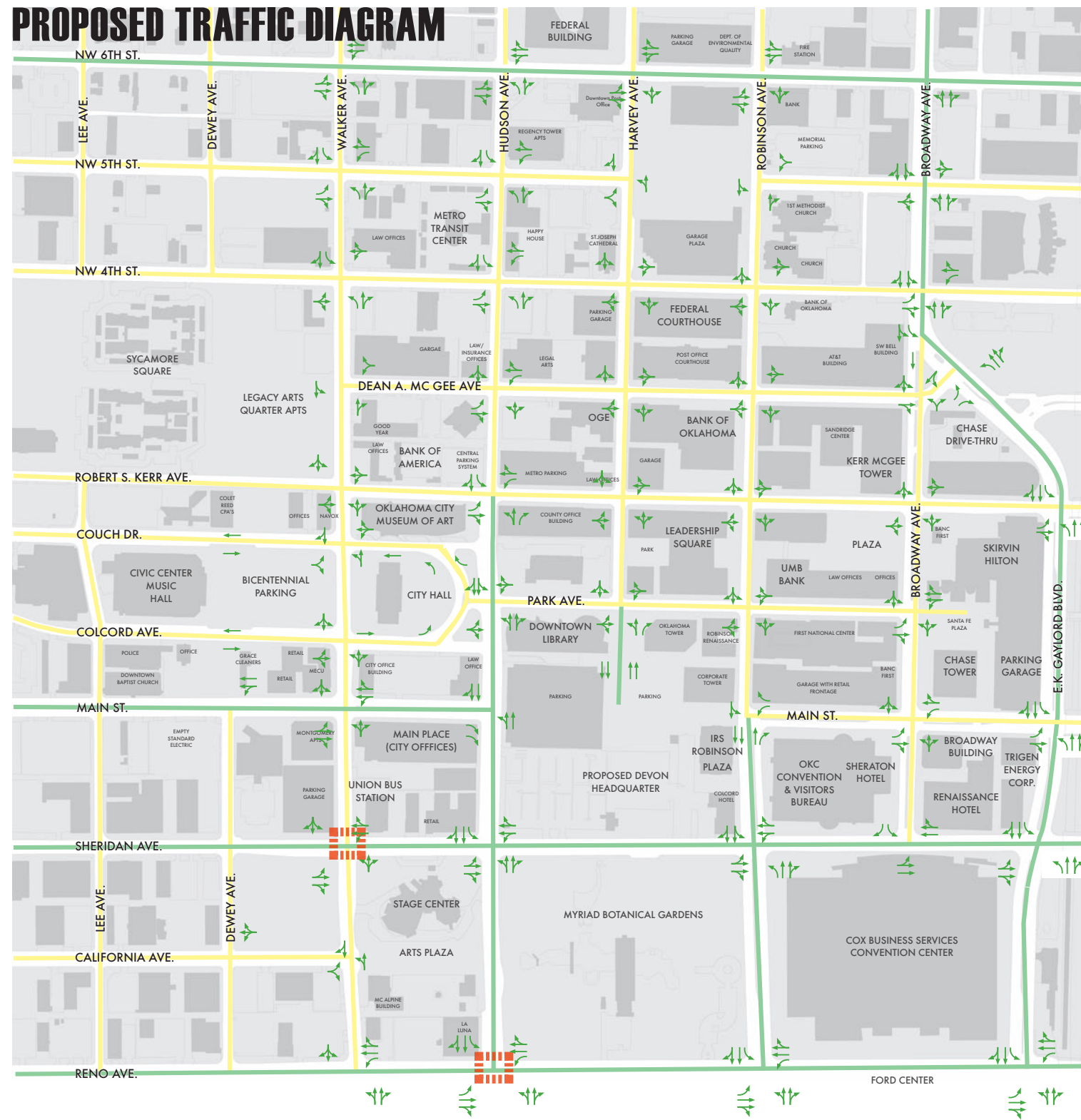
TRANSPORTATION PLANNING / DIAGRAM METHODOLOGY

KEY RECOMMENDATIONS

THE TRAFFIC DIAGRAM ESTABLISHES A GOAL THAT EQUALLY EMPHASIZES THE NEEDS OF PEDESTRIANS, BICYCLISTS, AND MOTORISTS. USING THIS GOAL AS A GUIDELINE, THE METHODOLOGY DESCRIBED BELOW WAS APPLIED. THIS ALLOWED THE DESIGN TEAM TO PROGRESS AN ITERATIVE DESIGN PROCESS, BALANCING CIRCULATION NEEDS FOR ALL USERS AND DEVELOPING THE PROPOSED TRAFFIC DIAGRAM. THE TRAFFIC DIAGRAM INCORPORATES THE FOLLOWING:

1. CONSIDERATION OF THE 2030 ALTERNATIVE 2 (TWO-WAY ALTERNATIVE) BALANCED AM AND PM PEAK HOUR VOLUMES PREPARED BY TRAFFIC ENGINEERING CONSULTANTS, THE EXPECTED DEVELOPMENT IN THE CENTRAL BUSINESS DISTRICT, AND THE ASSOCIATED 2% ANNUAL TRANSPORTATION GROWTH PROJECTION.
2. PROVISIONS FOR AN APPROPRIATE LEVEL OF SERVICE TO AN URBAN DOWNTOWN ENVIRONMENT, IN WHICH WALKING AND BICYCLING ARE ENCOURAGED.
3. MAXIMIZATION OF ON-STREET PARKING IN THE CENTRAL BUSINESS DISTRICT.
4. PROVISIONS FOR A TWO-WAY STREET NETWORK AND CONNECTIVITY PLAN IN THE DOWNTOWN DISTRICT. THIS PLAN WILL HOLD TRUE WITH THE EXCEPTION OF COUCH AND COLCORD AS THEY RELATE TO THE HISTORIC CITY HALL SITE. BY PROVIDING TWO-WAY STREETS, THE PROPOSED PLAN WILL OFFER VARIOUS ALTERNATE ROUTES FOR DRIVERS AND HELP ALLEVIATE CONGESTION POINTS.
5. ELIMINATION OF RIGHT HAND TURN LANES FROM THE TRAFFIC SYSTEM. THIS RECOMMENDATION WOULD ALSO ENCOURAGE FUTURE SIGNAGE TO INCORPORATE A NO-RIGHT-ON-RED POLICY. THIS POLICY HAS BEEN EFFECTIVE IN REDUCING VEHICULAR/PEDESTRIAN CONFLICTS AT INTERSECTIONS.
6. ELIMINATION OR MINIMIZATION OF LEFT HAND TURN LANES. LEFT HAND TURN LANES HAVE BEEN SHOWN AT KEY NODES ALONG MAJOR STREETS – RENO, E.K. GAYLORD, HUDSON, AND ON EAST-WEST STREETS THAT INTERSECT WITH THESE STREETS. THERE ARE NO LEFT HAND TURN LANES ON STREETS WITH TWO LANES IN EACH DIRECTION (EXCEPT THE MAJOR STREETS DESCRIBED ABOVE).
7. PROVISIONS FOR AN INTEGRATED BICYCLE SYSTEM IN THE CENTRAL BUSINESS DISTRICT.
8. MINIMIZATION OF TRAVEL LANE WIDTHS AND TURNING RADII AT INTERSECTIONS AND CLEAR DELINEATION OF PEDESTRIAN, BICYCLE, AND VEHICULAR TRAVEL PATHS.
9. PROVISIONS FOR AUTOMATIC CROSS WALK SIGNALS AT ALL INTERSECTIONS WITHIN THE CENTRAL BUSINESS DISTRICT.
10. UTILIZATION OF A PLANNING PERSPECTIVE, COMPLETED INTERNALLY IN CONJUNCTION WITH AN IN-HOUSE TRAFFIC ENGINEER WHO HELPED SIZE THE NETWORK APPROPRIATELY; A LETTER OF VALIDATION IS INCLUDED WITH THE DIAGRAM STATING SUCH.





PROPOSED TRAFFIC DIAGRAM



GENERAL RECOMMENDATIONS/ CONSIDERATIONS

- PROVIDE FOR TWO-WAY TRAFFIC ON ALL STREETS IN THE CENTRAL BUSINESS DISTRICT, EXCEPT FOR COLCORD AVENUE AND COUCH DRIVE, THE HISTORIC BLOCKS AROUND THE CITY HALL AND BICENTENNIAL PARK.
- PROVIDE FOR 10 FOOT WIDE VEHICULAR LANES WHERE POSSIBLE. 11 FOOT WIDE LANES FOR TRANSIT ROUTES AND SINGLE LANES FOR EACH DIRECTION.
- PROVIDE FOR AUTOMATIC "WALK" SIGNALIZATION ON ALL PEDESTRIAN CROSSWALKS.
- MAXIMIZE ON-STREET PARKING SPACES THROUGHOUT THE CENTRAL BUSINESS DISTRICT WITH PARALLEL AND ANGLED PARKING. (REFER TO THE PARKING DIAGRAM)
- INTRODUCE BIKE LANES BETWEEN ON-STREET PARKING SPACES AND VEHICULAR TRAFFIC LANES WHEN STREET WIDTH ALLOWS (REFER TO THE BIKE DIAGRAM)
- CONVERT STRIPED MEDIANS TO PLANTED MEDIANS. (REFER TO MEDIAN & OPEN SPACE DIAGRAM)
- PROVIDE FOR PEDESTRIAN WALKABILITY AND ACCESSIBILITY FOR ALL USERS.
- CREATE A CONTINUOUS CANOPY THROUGHOUT THE CENTRAL BUSINESS DISTRICT.

LEGEND

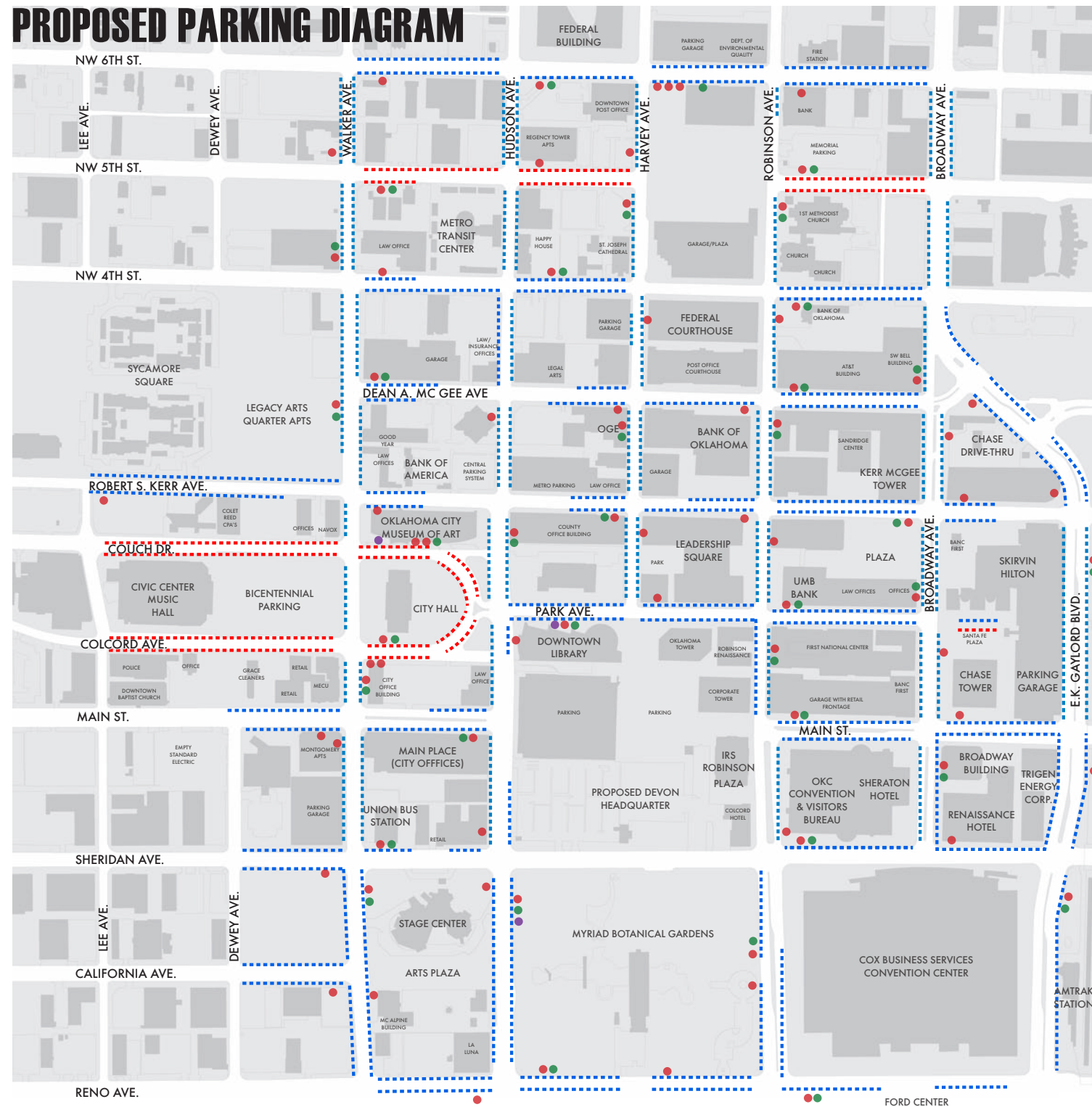
-  4 THROUGH LANES
-  2 THROUGH LANES
-  TRAFFIC LANES
-  INTERSECTION OF STUDY





TYPICAL PEDESTRIAN REALM

PROPOSED PARKING DIAGRAM



GENERAL RECOMMENDATIONS/ CONSIDERATIONS

PARKING CONSIDERATIONS

- MAXIMIZE ON STREET PARKING IN THE CENTRAL BUSINESS DISTRICT.
- MAINTAIN ANGLED PARKING IN THE HISTORICAL CONTEXT OF THE CITY HALL AND BICENTENNIAL PARK BLOCKS.
- PROVIDE PARKING TO CREATE A BUFFER BETWEEN THE CART PATH AND PEDESTRIAN REALM.
- INCORPORATE PARKING FOR PARALLEL PARKING, ACCESSIBLE PARKING, GREEN PARKING, FLEXIBLE PARKING.
- PARALLEL PARKING STALLS TO BE 8'-0" WIDE BY 22'-0" LONG.

ACCESSIBLE PARKING CONSIDERATIONS

- ACCESSIBLE PARKING SPACES MUST HAVE SPACE FOR THE VEHICLE AND ADDITIONAL SPACE TO ACCOMMODATE AN ACCESS AISLE.
- SHOULD BE THE CLOSEST SPACE TO AN ACCESSIBLE ENTRANCE OR ACCESS POINT.
- A CLEARLY DEFINED ACCESSIBLE ROUTE MUST BE PROVIDED.

ACCESSIBLE RAMP CONSIDERATIONS

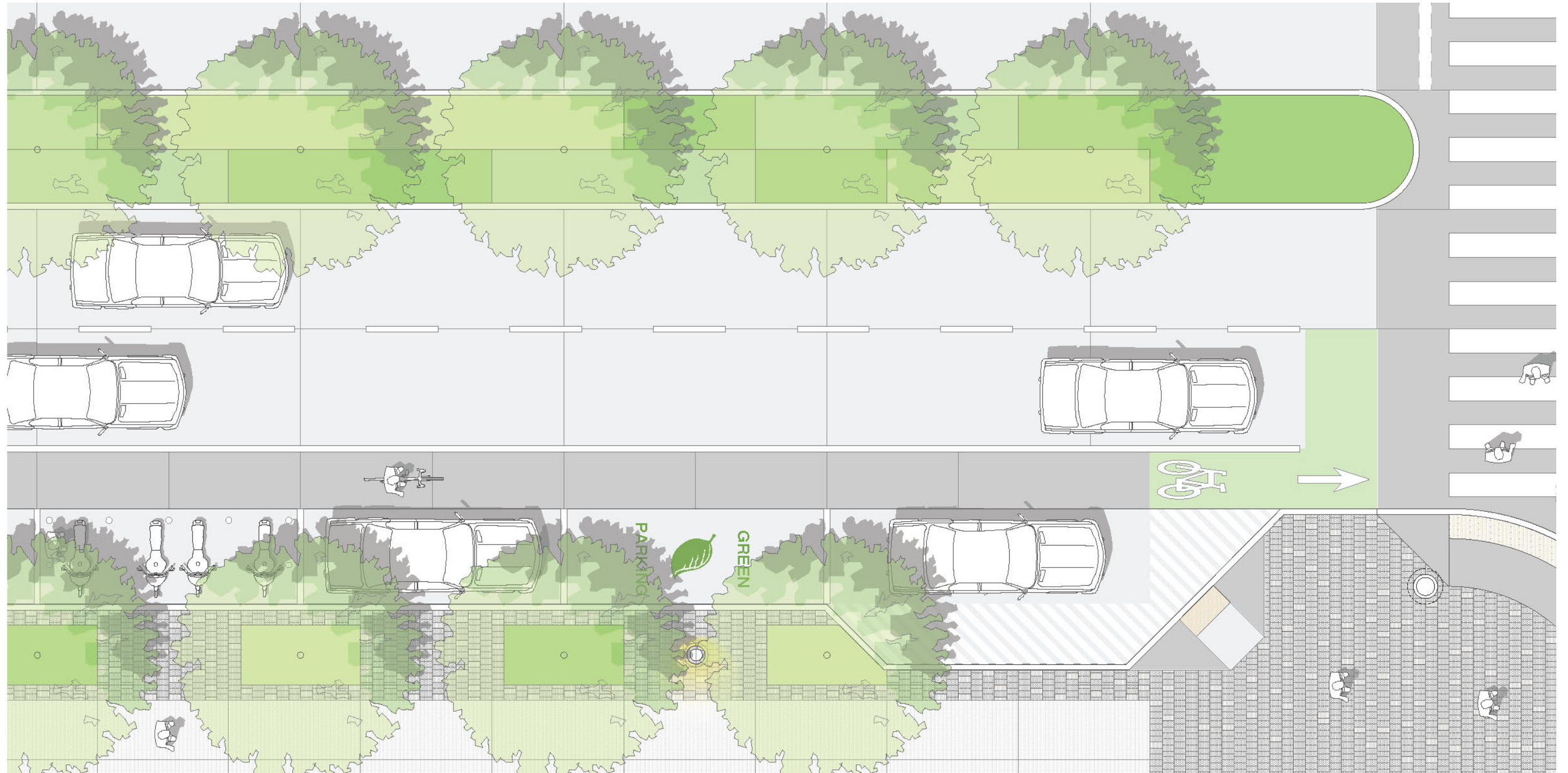
- MEETS ALL FEDERAL, STATE AND LOCAL TITLES, ACTS AND GUIDELINES.
- LANDING MINIMUM OF 36" WITH 48" AS BEST PRACTICE.
- RAMP AND FLARE HAVE A 1:12 MAXIMUM SLOPE. FREE FROM OBSTRUCTIONS, PULL BOXES.
- DETECTABLE WARNING OF 24" IS INCORPORATED INTO THE DESIGN.
- RAMP AND GUTTER ARE FLUSH.
- EACH RAMP IS DESIGNED TO SITE SPECIFIC GRADES AND CONDITIONS.

LEGEND

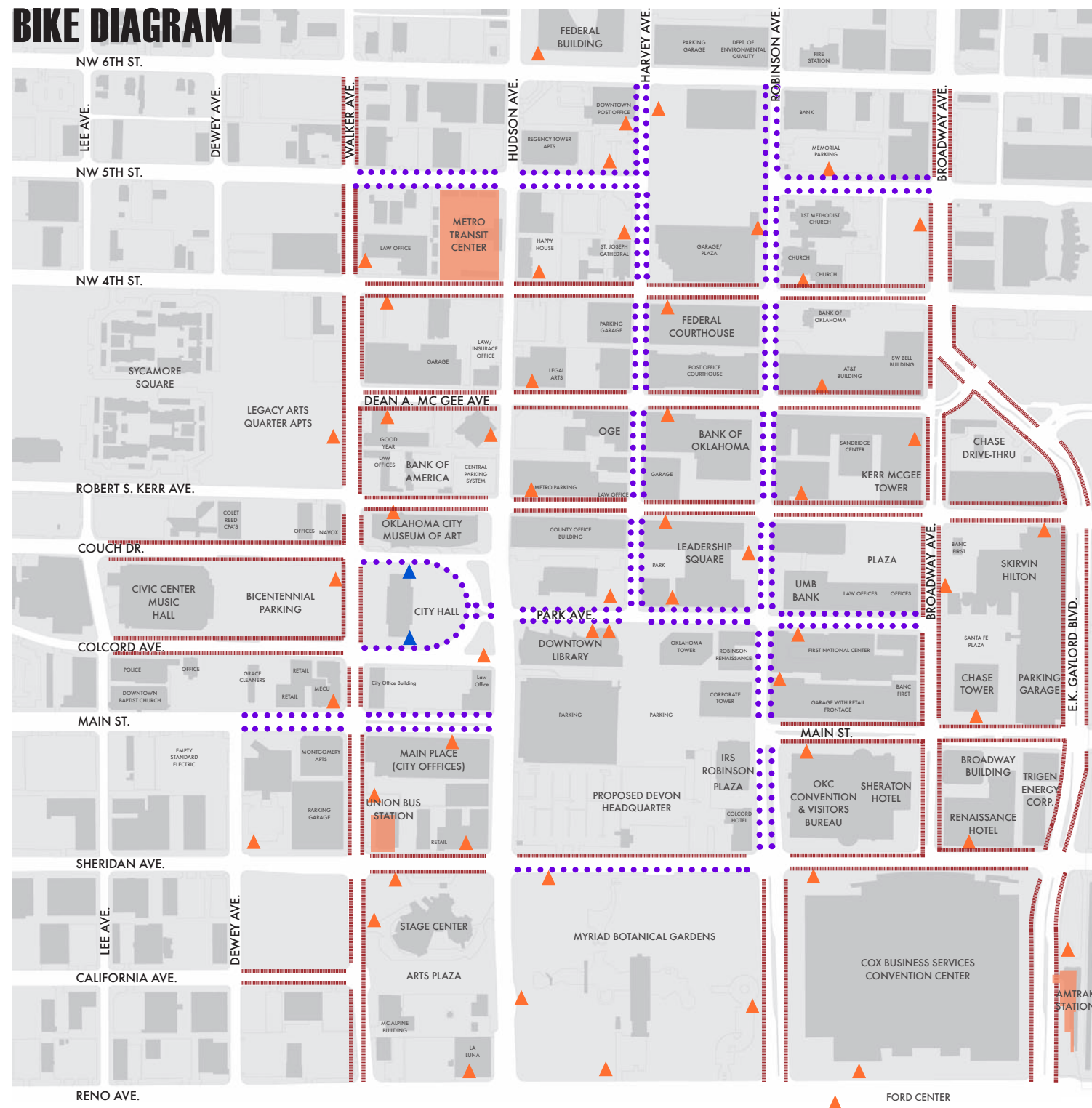
	ON-STREET PARALLEL PARKING (DEDICATED LANE)
	ON-STREET ANGLED PARKING
	ACCESSIBLE PARKING
	HYBRID VEHICLE PARKING
	MOTORCYCLE PARKING

OKLAHOMA CITY URBAN - STREETLIFE parking proposal

| ramp | detectable warning | access | adjacency | identify |



BIKE DIAGRAM



GENERAL RECOMMENDATIONS/ CONSIDERATIONS

- REFERENCE THE EXISTING PHASE I AND PHASE II BIKE PLANS FOR OKLAHOMA CITY.
- REFERENCE THE "GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES" AASHTO
- SITE LINES, BIKE LANE WIDTHS, INTERSECTION DESIGN, BIKE ROUTE DEMARCATION.
- BIKE LANE CRITERIA, 4'-6" WIDTH, 6"-8" PAVEMENT STRIP.
- FREE FROM OBSTRUCTIONS, (GRATES, DRAINS, SMOOTH CONTINUOUS FINISHES).

SAFE CONVENIENT AND WELL DESIGNED BICYCLE FACILITIES ARE ESSENTIAL TO ENCOURAGE BICYCLE USE. OKLAHOMA CITY IS MAKING THIS COMMITMENT TO THE COMMUNITY.



OKC LOOPED BIKE RACK



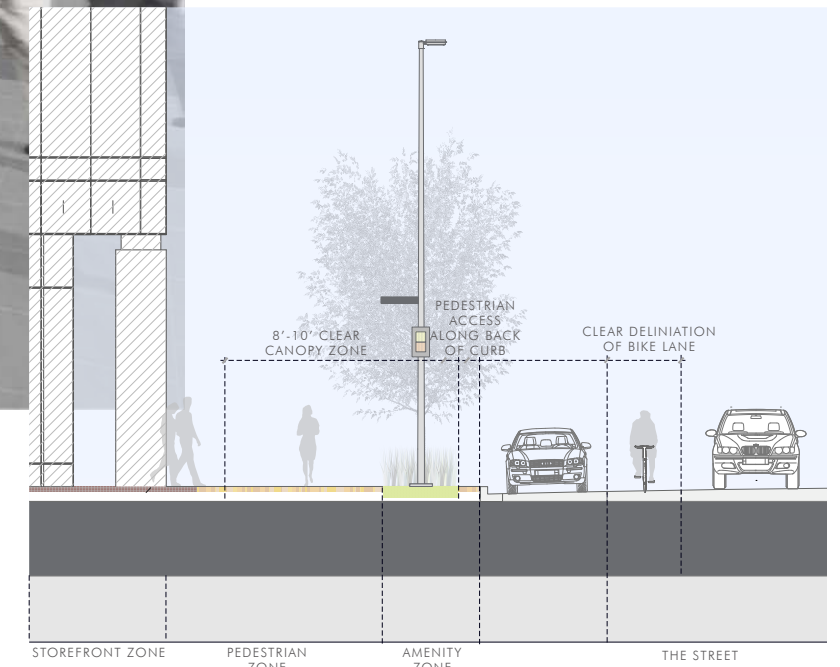
FREMONT BIKE RACK

LEGEND

- SHARROW LANE (MARKED SHARED LANE FOR VEHICLES AND BIKES)
- BIKE LANE (DEDICATED 5 FOOT BIKE LANE ON STREET)
- ▲ FREMONT BIKE RACK
- ▲ OKC LOOPED BIKE RACK

OKLAHOMA CITY URBAN - STREETLIFE bike lane

| safety | symbol & arrow | sharrow | sharrow | standards |



WALKABILITY, OPEN SPACE & MEDIAN DIAGRAM



GENERAL RECOMMENDATIONS/ CONSIDERATIONS

WALKABILITY

- THE AVERAGE PEDESTRIAN WALKS APPROXIMATELY 3'-4' PER SECOND.
- THE AVERAGE PERSON WILL WALK A MAXIMUM OF 700' OR 3-4 MINUTES.
- STREETS CAPES WITH THE BEST PEDESTRIAN COMFORT HAVE CURB PATH SPEEDS OF 25 MPH OR LESS.
- GREAT STREETS SHOULD CONSIDER GRADE, CROSS SLOPE, COMFORTABLE WIDTH, PASSING SPACE, VERTICAL CLEARANCE, CHANGES IN LEVEL, CHANGES IN LEVEL, GRATES AND GAPS, FREE OF OBSTACLES AND PROTRUDING OBJECTS AND A COMFORTABLE WALKING SURFACE.
- PHYSICAL COMFORT DEFINITION AND BOUNDARIES.
- CONCENTRATE AMENITIES AT CORNERS AND MID-BLOCK CROSSINGS.

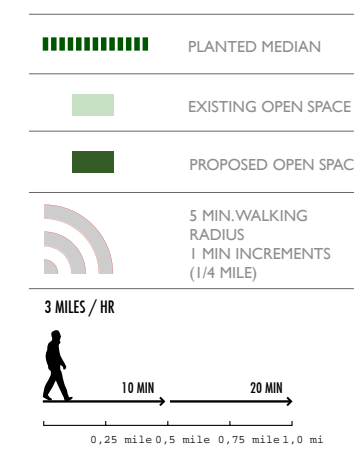
STREETScape PRINCIPLES

- DEFINED STREETScape ZONES, CURB PATH, AMENITIES ZONE, PEDESTRIAN REALM AND BUILDING/RETAIL ZONE.
- SMOOTH COMFORTABLE WALKING SURFACES.
- LANDSCAPING IN BOTH THE VERTICAL AND HORIZONTAL STREETScape.
- COMFORTABLE LIGHTING LEVELS FOR BOTH THE CURB PATH (1 FOOT-CANDLE/ 10 LUX) AND PEDESTRIAN REALM (.5 FOOT-CANDLE / 5 LUX).
- COMFORTABLE AMENITIES AND STREET FURNISHINGS, BENCHES, WASTE RECEPTACLES, BIKE RACKS, SPECIAL DESIGN FEATURES AND LANDSCAPING.
- CONVENIENT FACILITIES, SIGNALIZATION, ENVIRONMENTAL GRAPHICS, TRANSIT SHELTERS.
- STREETScape/RETAIL ZONES THAT OFFER, CONTEXT, OPPORTUNITIES FOR ENHANCED MOVABLE SEATING AND LANDSCAPING, PEOPLE WATCHING, NIGHT LIFE OPPORTUNITIES AND A LAYERING OF STREET RICHNESS.

MID-BLOCK ALLEYS AND DRIVEWAY CONSIDERATIONS

- CONSIDERS ACCESS AND ADJACENCY.
- APPROPRIATELY SIZE EXISTING DRIVE ACCESS TO THE CURRENT PROPERTY USES.
- DRIVE WITH IS BASED ON BUILDING/GARAGE OPENING AND NUMBER OF ENTRY/EXITS, APPROXIMATELY 11' PER LANE.
- A 5' ACTUAL RADIUS OR 10' EFFECTIVE RADIUS IS ACCOMMODATED FOR EACH DRIVE RADIUS.
- MINIMIZE PEDESTRIAN VEHICULAR CONFLICT. CLEARLY IDENTIFY DRIVES AND ALLEYS.
- PROVIDE RAMPS AND DETECTABLE WARNING AS REQUIRED.

LEGEND





01 | ICON MARKER

02 | TRIANGLE PARK

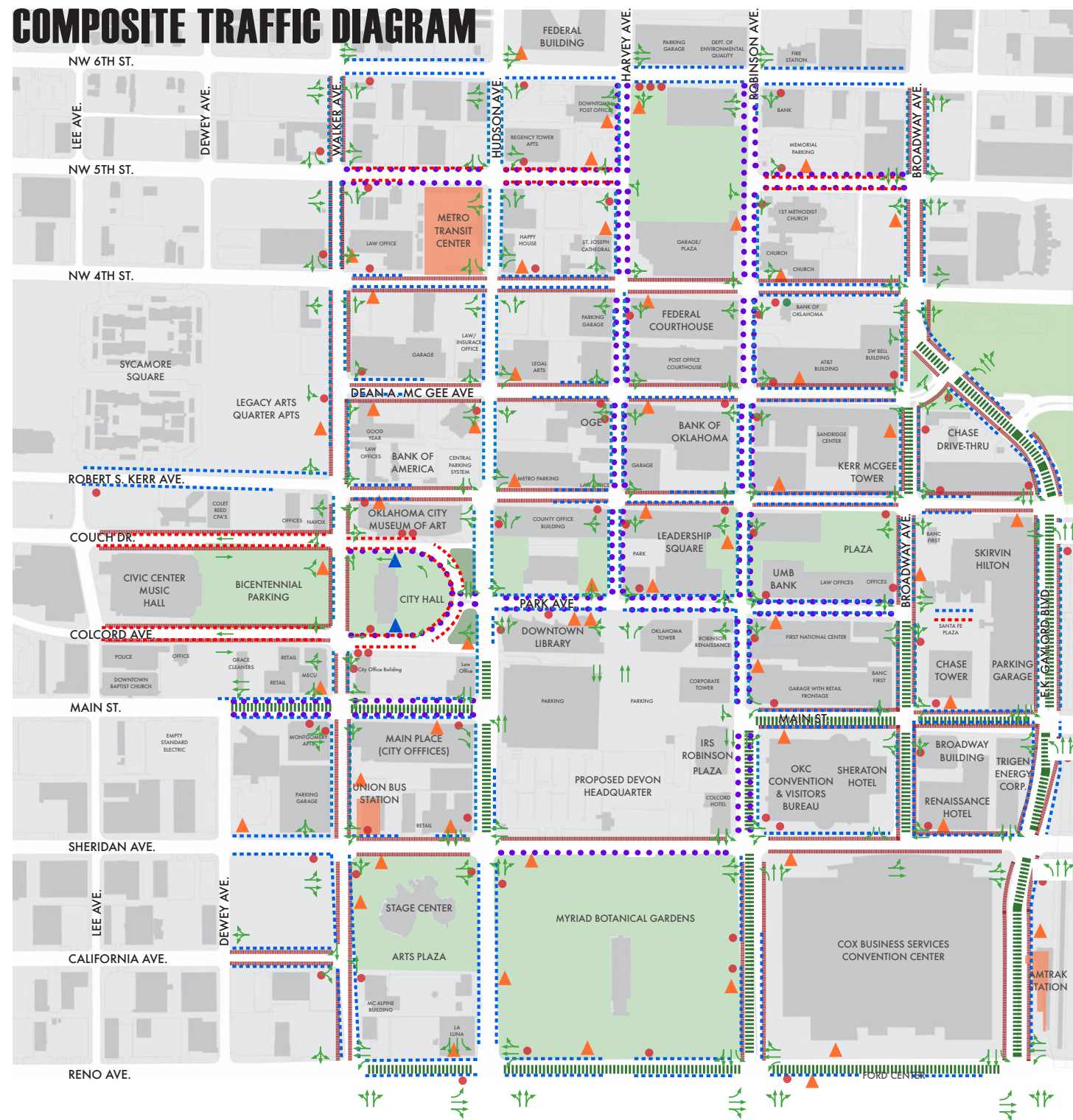
03 | DESTINATION MARKER

04 | MEDIAN ART

05 | DESTINATION MARKER PERSPECTIVE

06 | MEDIAN ART SECTION

COMPOSITE TRAFFIC DIAGRAM
















INTERSECTIONS OF STUDY

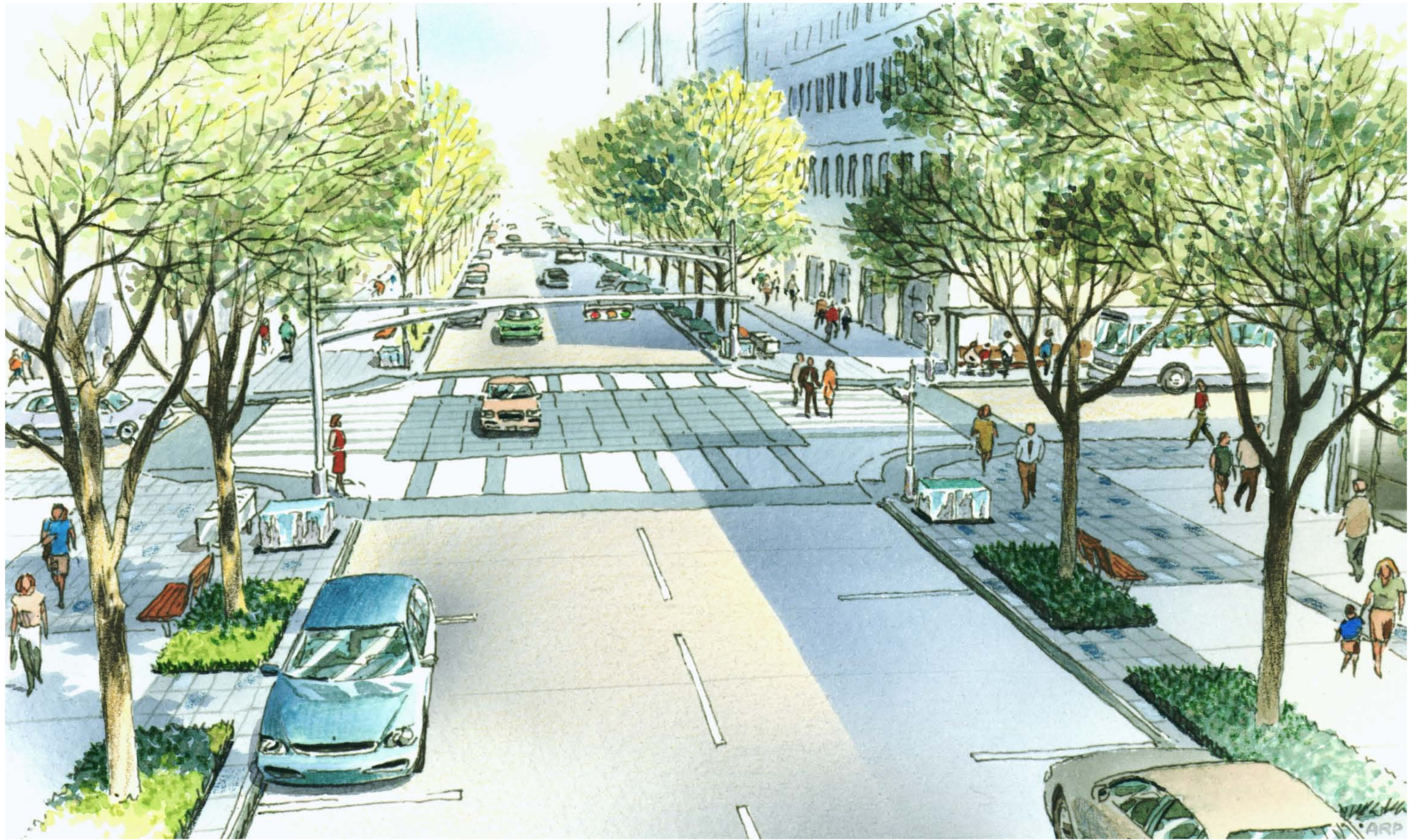
- 4TH STREET AND BROADWAY AVENUE
- SHERIDAN AVENUE AND WALKER AVENUE
- RENO AVENUE AND WALKER AVENUE
- RENO AVENUE AND HUDSON AVENUE
- THE BOULEVARD AT ROBINSON AVENUE (OFF PLAN)
- THE BOULEVARD AT E.K. GAYLORD BOULEVARD (OFF PLAN)

GENERAL RECOMMENDATION

- PROVIDE TWO-WAY TRAFFIC ON ALL STREETS IN THE CENTRAL BUSINESS DISTRICT EXCEPT FOR SOME SECTIONS OF COLCORD AVE. AND COUCH AVE. NEAR CITY HALL
- REDUCE LANE WIDTH TO 10 FEET; 11-12 FEET FOR TRANSIT ROUTES
- PROVIDE AUTOMATIC 'WALK' SIGNAL FOR PEDESTRIAN
- MAXIMIZE ON-STREET PARKING SPACES THROUGHOUT THE DISTRICT WITH PARALLEL AND ANGLED PARKING
- INTRODUCE BIKE LANES BETWEEN ON-STREET PARKING SPACES AND VEHICULAR TRAFFIC LANES ON CERTAIN STREETS
- CONVERT STRIPED MEDIAN ON RENO AVE. TO PLANTED MEDIAN

LEGEND

	4 THROUGH LANES		FREMONT BIKE RACK
	2 THROUGH LANES		OKC LOOPED BIKE RACK
	PLANTED MEDIAN		ACCESSIBLE PARKING
	TRAFFIC LANE		HYBRID VEHICLE PARKING
	ON-STREET PARALLEL PARKING (DEDICATED LANE)		MOTORCYCLE PARKING
	ON-STREET ANGLED PARKING (DEDICATED LANE)		
	SHARROW LANE (MARKED SHARED LANE FOR VEHICLES & BIKES)		
	BIKE LANE (DEDICATED 5 FT BIKE LANE ON STREET)		



PARK AVENUE AT ROBINSON AVENUE

2

DESIGN COMPONENTS

SCHEME OKLAHOMA CITY URBAN-STREETLIFE

CLEAN MODERN LINES.

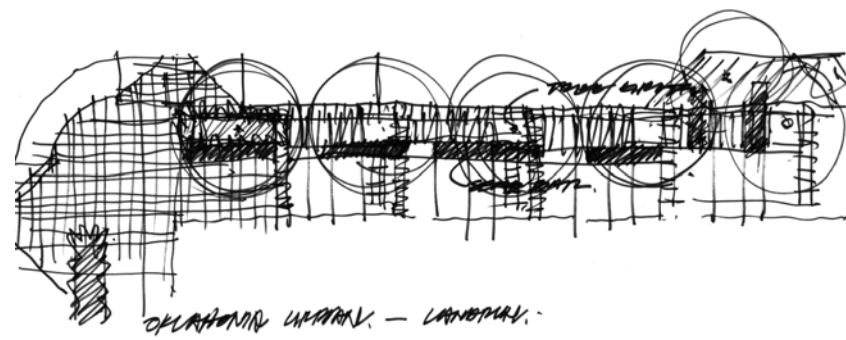
THE LATEST IN MATERIALS AND TECHNOLOGY. GRANITE PAVERS, CONCRETE, METAL, WOOD, GEOMETRIC PLANTING AND STREET TREES.

"ZEITGEIST" THE SPIRIT OF AN AGE. THE VISION FOR THE NEW OKLAHOMA CITY.

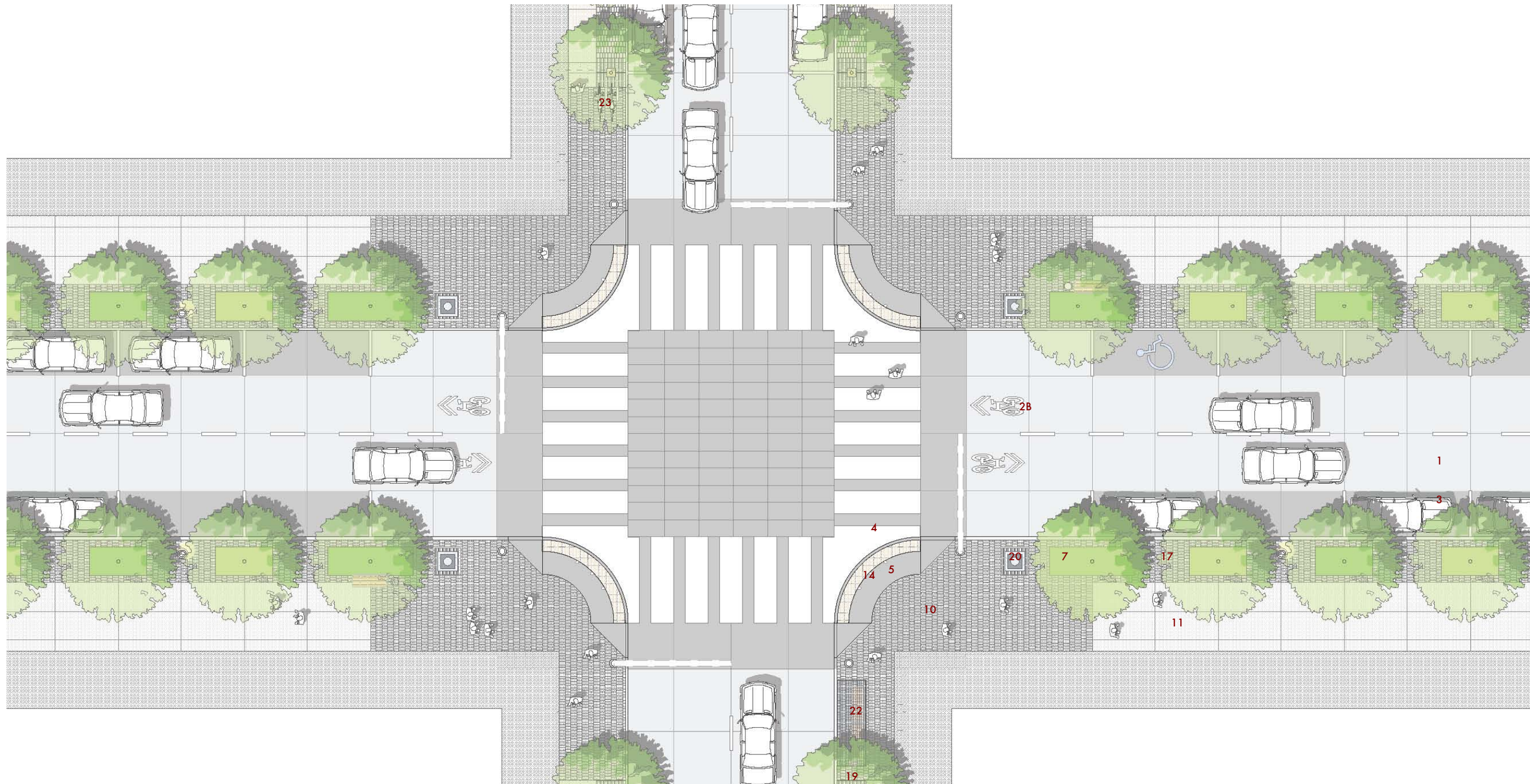
"ALWAYS DESIGN A THING BY CONSIDERING IT IN ITS NEXT LARGER CONTEXT - A CHAIR IN A ROOM, A ROOM IN A HOUSE, A HOUSE IN AN ENVIRONMENT, AN ENVIRONMENT IN A CITY PLAN."

ELIEL SAARINEN

BOOMERS, SOONERS, LANDRUN



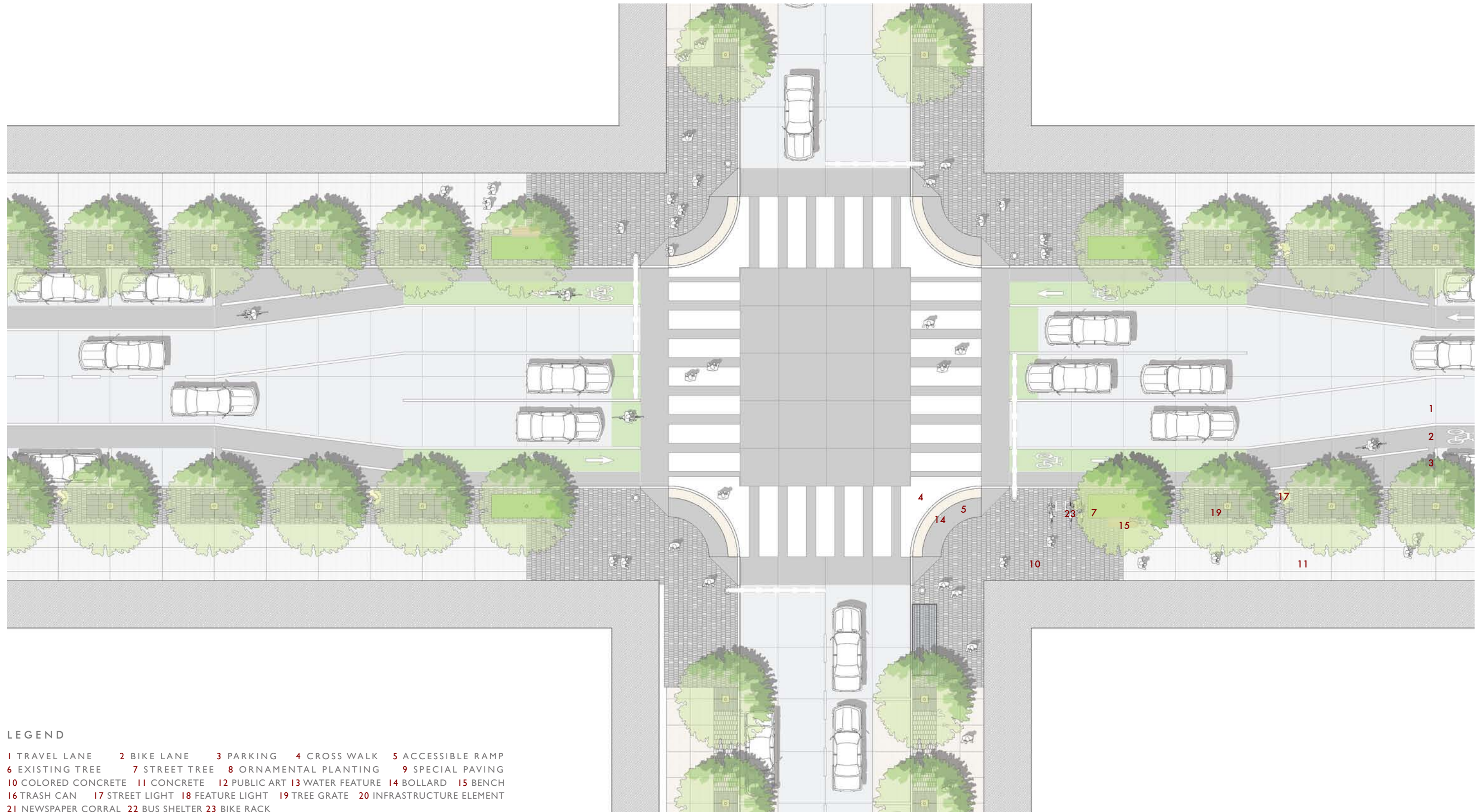
OKLAHOMA CITY URBAN - STREETLIFE 2 LANES WITH SHARROW



LEGEND

- 1 TRAVEL LANE 2 BIKE LANE 2B SHARROW LANE 3 PARKING 4 CROSS WALK
- 5 ACCESSIBLE RAMP 6 EXISTING TREE 7 STREET TREE 8 ORNAMENTAL PLANTING
- 9 SPECIAL PAVING 10 COLORED CONCRETE 11 CONCRETE 12 PUBLIC ART 13 WATER FEATURE
- 14 BOLLARD 15 BENCH 16 TRASH CAN 17 STREET LIGHT 18 FEATURE LIGHT 19 TREE GRATE
- 20 INFRASTRUCTURE ELEMENT 21 NEWSPAPER CORRAL 22 BUS SHELTER 23 BIKE RACK

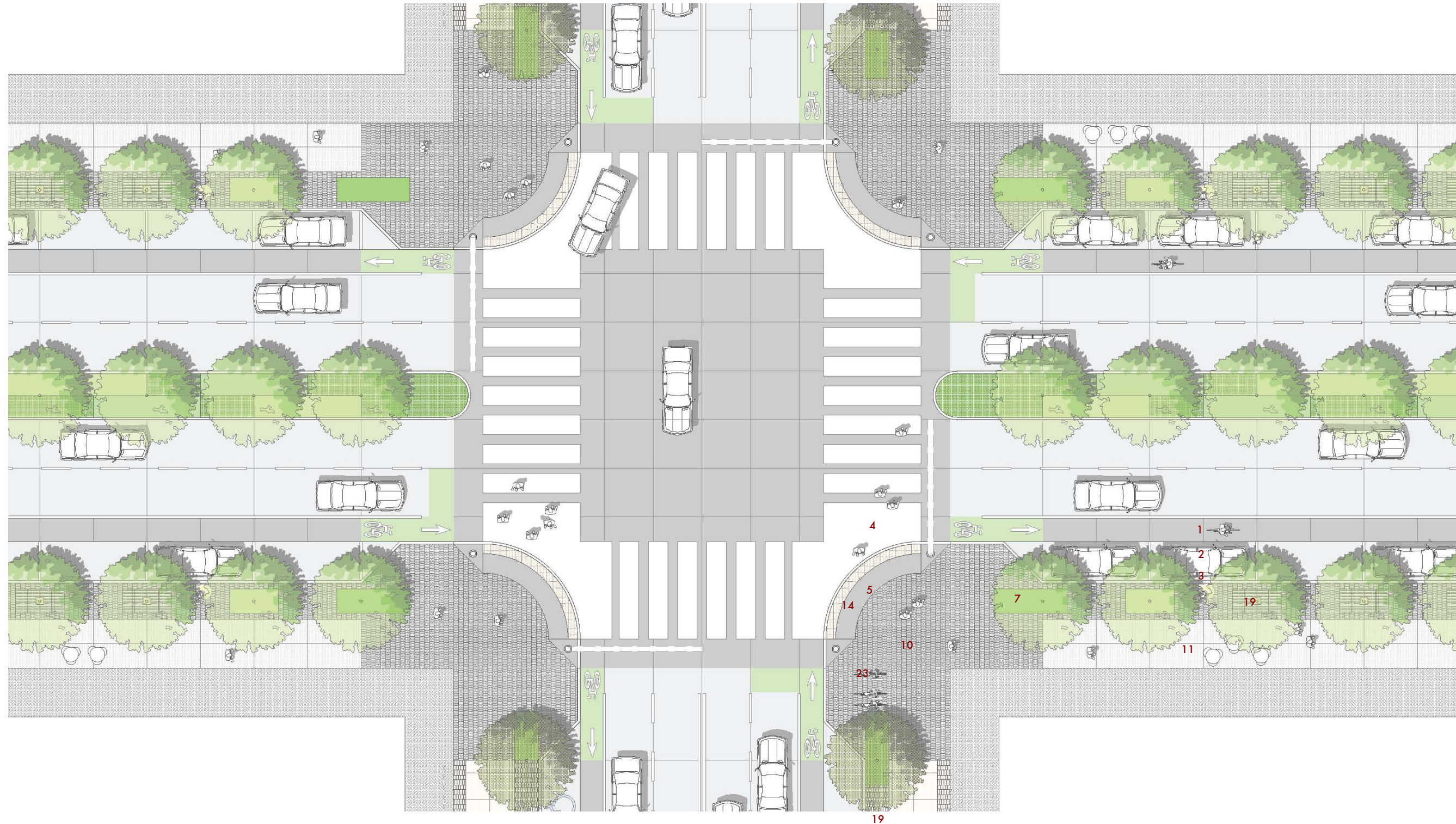
1 LANE WITH BIKE LANE & TURN LANE



LEGEND

- 1 TRAVEL LANE 2 BIKE LANE 3 PARKING 4 CROSS WALK 5 ACCESSIBLE RAMP
- 6 EXISTING TREE 7 STREET TREE 8 ORNAMENTAL PLANTING 9 SPECIAL PAVING
- 10 COLORED CONCRETE 11 CONCRETE 12 PUBLIC ART 13 WATER FEATURE 14 BOLLARD 15 BENCH
- 16 TRASH CAN 17 STREET LIGHT 18 FEATURE LIGHT 19 TREE GRATE 20 INFRASTRUCTURE ELEMENT
- 21 NEWSPAPER CORRAL 22 BUS SHELTER 23 BIKE RACK

4 LANES WITH BIKE LANE & MEDIAN



LEGEND

- 1 TRAVEL LANE 2 BIKE LANE 3 PARKING 4 CROSS WALK 5 ACCESSIBLE RAMP
- 6 EXISTING TREE 7 STREET TREE 8 ORNAMENTAL PLANTING 9 SPECIAL PAVING
- 10 COLORED CONCRETE 11 CONCRETE 12 PUBLIC ART 13 WATER FEATURE 14 BOLLARD 15 BENCH
- 16 TRASH CAN 17 STREET LIGHT 18 FEATURE LIGHT 19 TREE GRATE 20 INFRASTRUCTURE ELEMENT
- 21 NEWSPAPER CORRAL 22 BUS SHELTER 23 BIKE RACK

OKLAHOMA CITY URBAN - STREETLIFE

custom traffic light signal pole

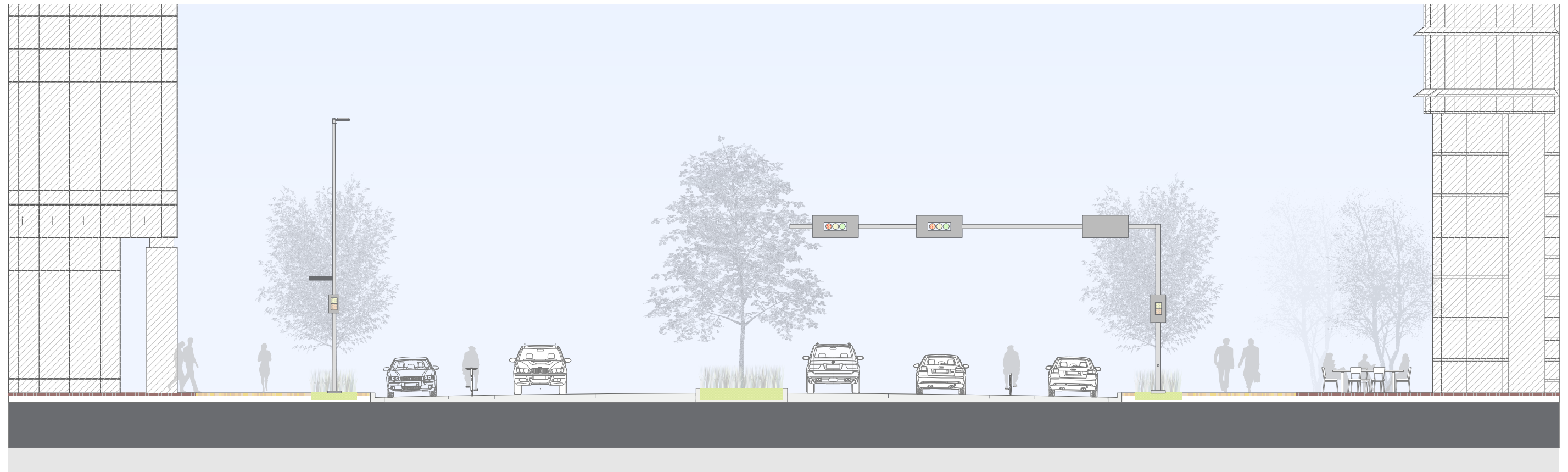
| contemporary

| minimalist

| elegant

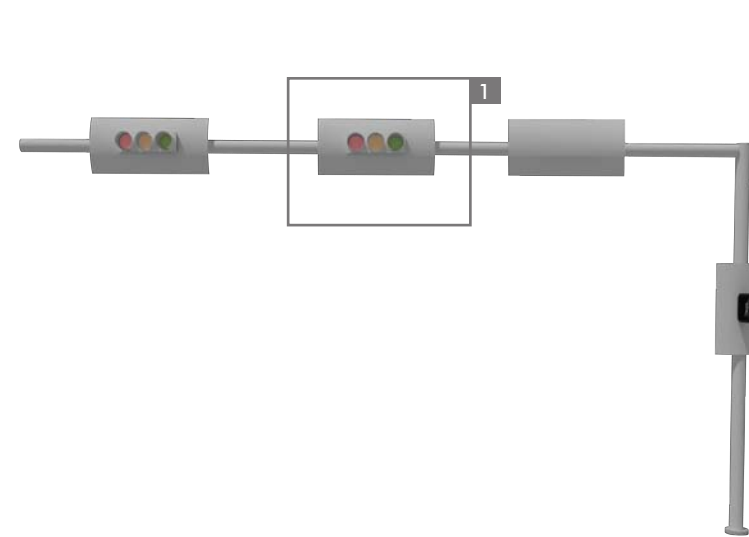
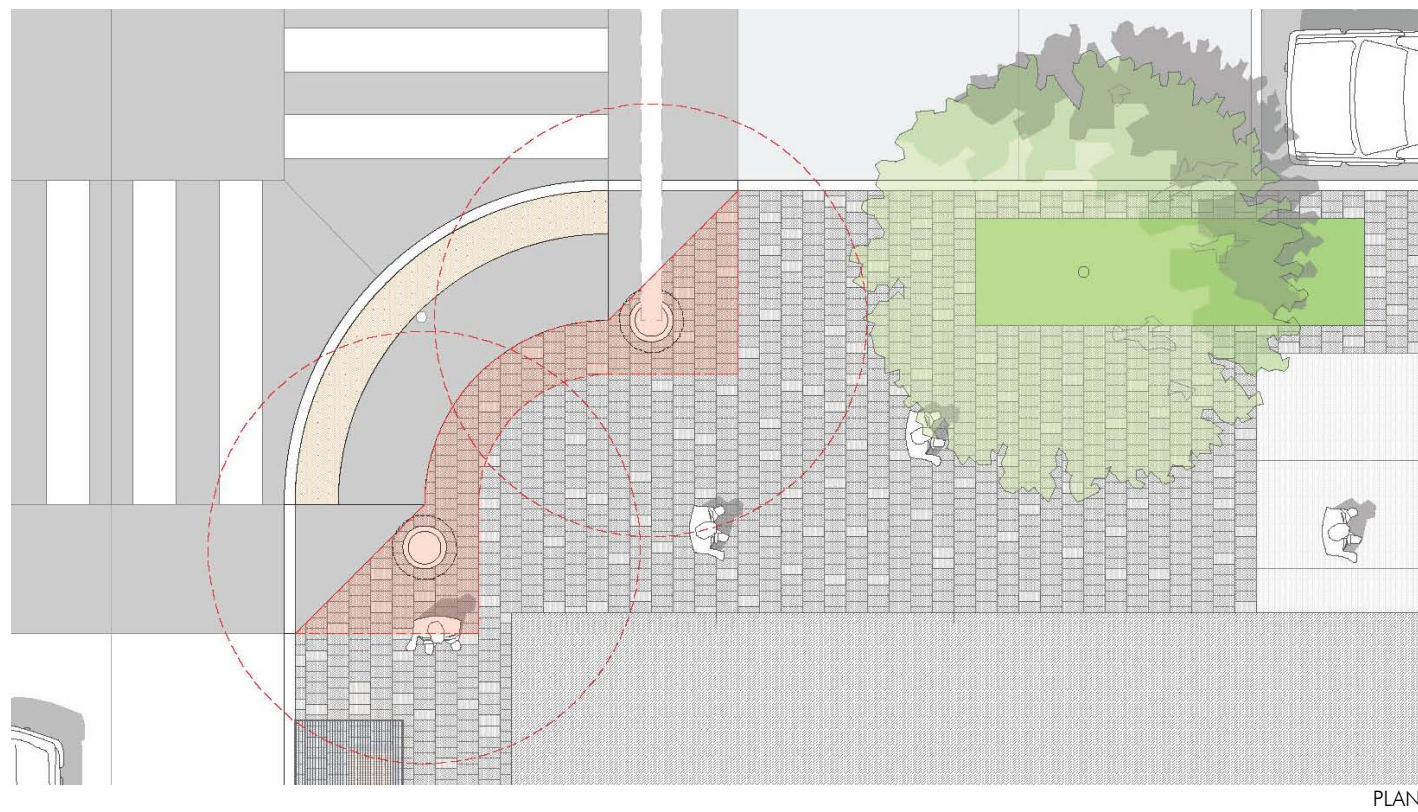
| stainless steel

| rectangular pole

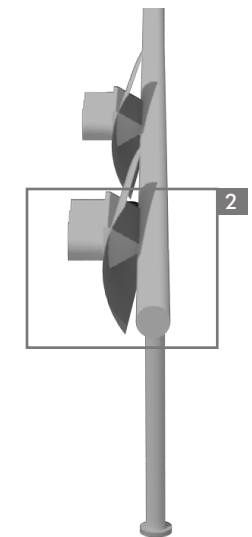


OKLAHOMA CITY URBAN - STREETLIFE custom traffic light signal pole

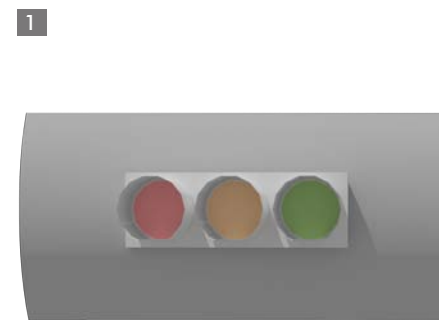
| contemporary | minimalist | elegant | stainless steel | rectangular pole |



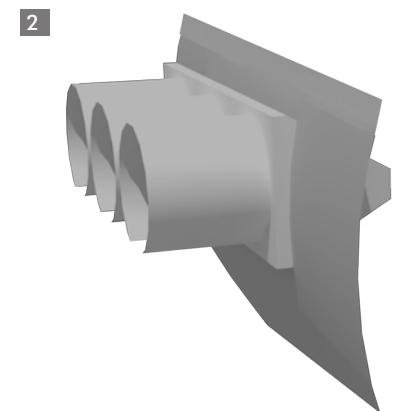
FRONT



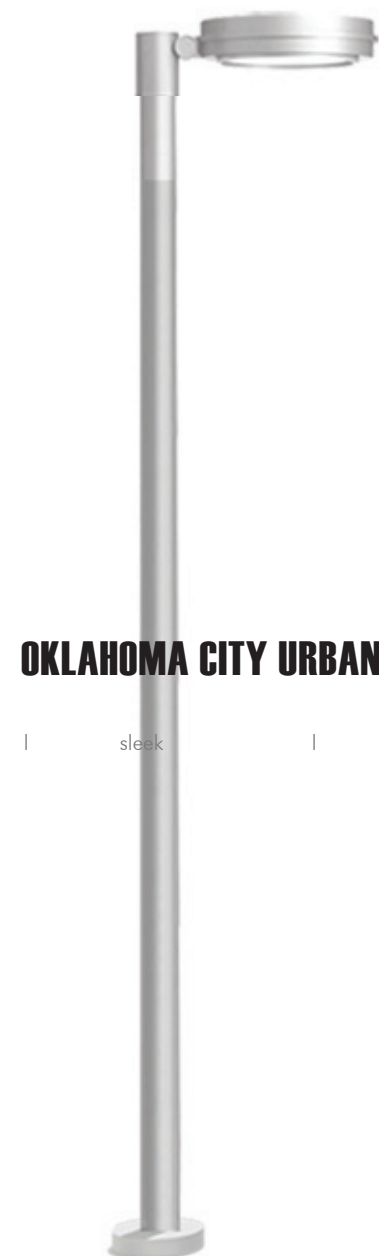
SIDE



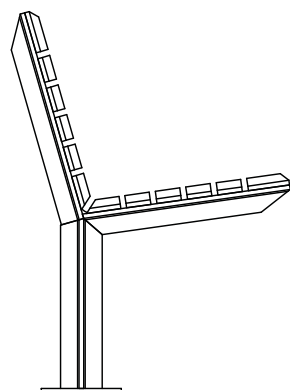
FRONT PLATE



SIDE PLATE



01



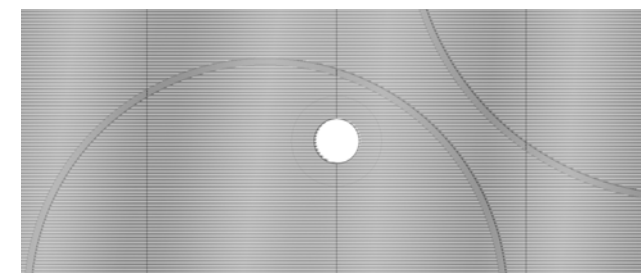
02



03



04



CUSTOM TREE GRATE

OKLAHOMA CITY URBAN - STREETLIFE site furnishing

| sleek | performance | superior materials | modern | elegant |

01

lighting
BEGA
POLE TOP LUMINAIRES

02

bench
FORMS+SURFACES
KNIGHT

03

bike rack
FORMS+SURFACES
FREMONT

04

waste receptacles
FORMS+SURFACES
DISPATCH



OKLAHOMA CITY URBAN - STREETLIFE



PARK AVENUE AT ROBINSON AVENUE (EAST BOUND)

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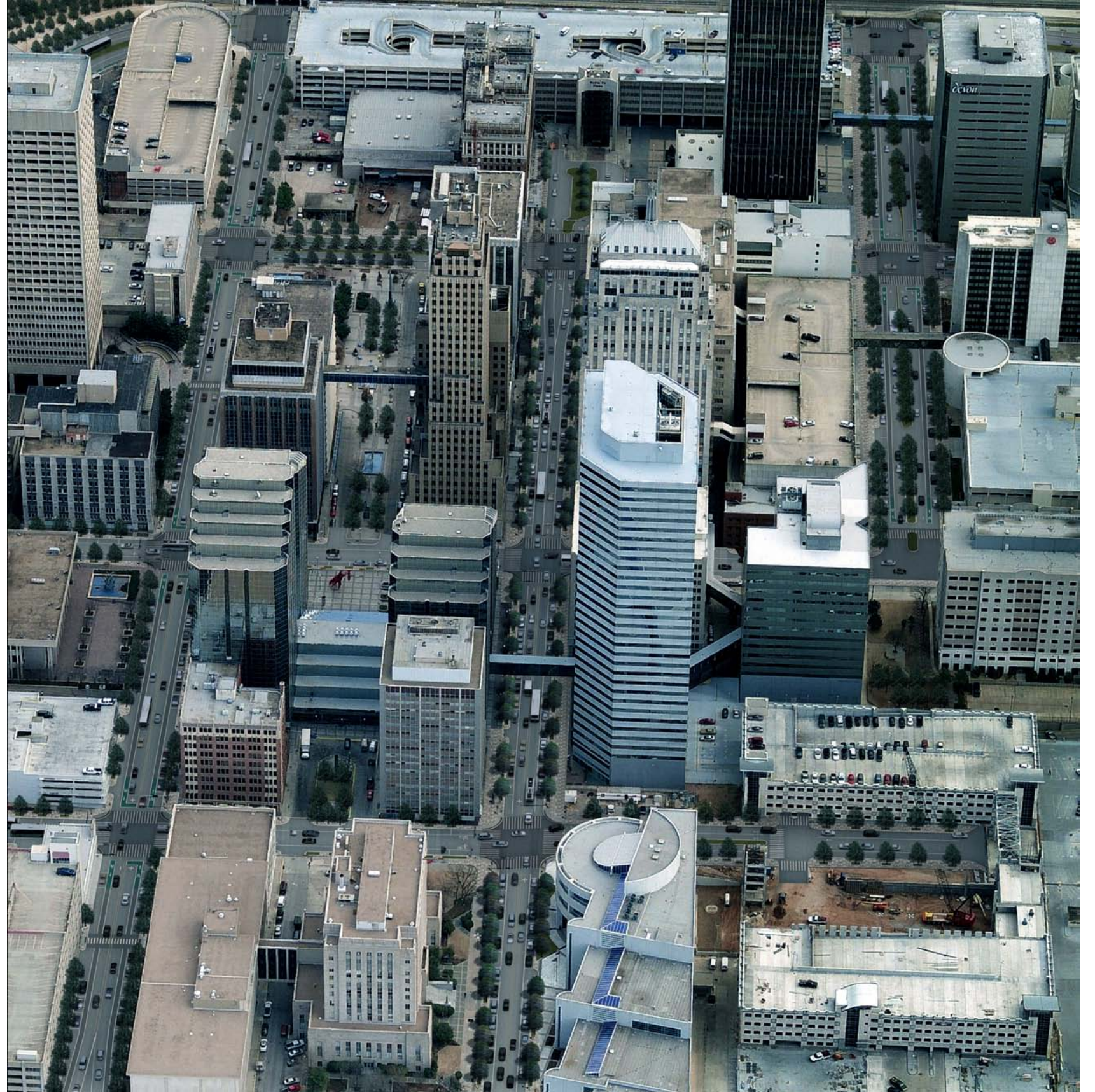
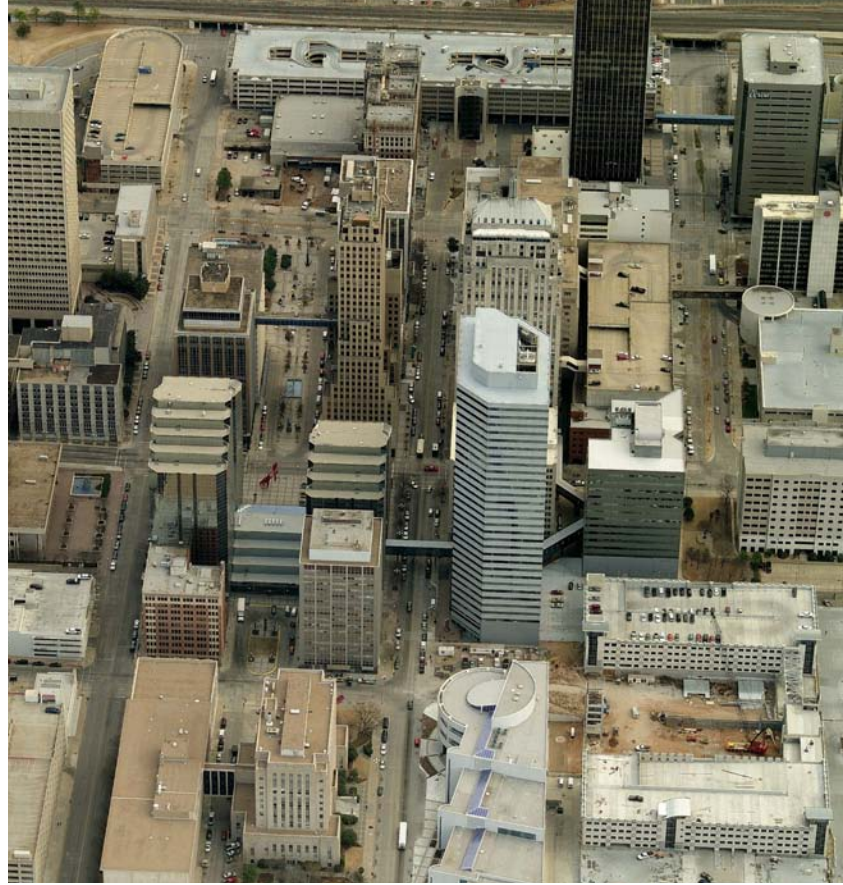
BROADWAY AVENUE AT PARK AVENUE (NORTH BOUND)

OKLAHOMA CITY URBAN - STREETLIFE



WALKER AVENUE AT WEST MAIN STREET (SOUTH BOUND)

OKLAHOMA CITY URBAN - STREETLIFE



AERIAL VIEW ROBERT S.KERR AVENUE, PARK AVENUE, EAST MAIN STREET

3

VEGETATION

OKLAHOMA CITY URBAN - STREETLIFE trees

| shade | colorful | sinewy | graceful | arching | bold |



CADDO SUGAR MAPLE



CHINESE PISTACHE



SHUMARD RED OAK



ESCARPMENT LIVE OAK



RIO RIVER BALD CYPRESS



BOSQUE ELM

PREFERRED TREES

CADDO MAPLE

Scientific Name: *Acer saccharum* 'Caddo'
 100 Gallon
 3.5"-4" Caliper
 60' Height
 30' Spread



CHINESE PISTACHE

Scientific Name: *Pistacia chinensis*
 100 Gallon
 3.5"-4" Caliper
 14'-15' Height
 7'-9' Spread



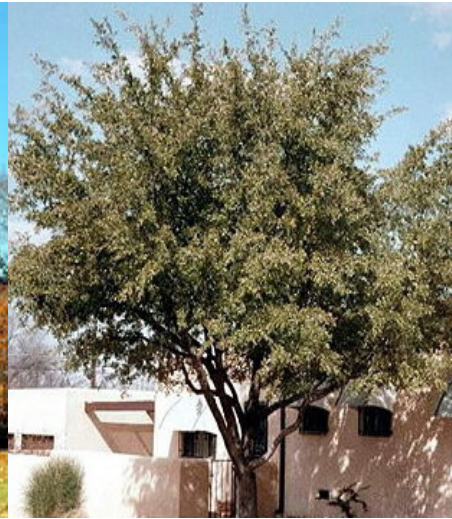
SHUMARD RED OAK

Scientific Name: *Quercus shumardii*
 100 Gallon
 3.5"-4" Caliper
 14'-15' Height
 7'-9' Spread



LIVE OAK

Scientific Name: *Quercus fusiformis*
 200 Gallon
 5"-6" Caliper
 20'-50' Height
 25'-40' Spread



BALD CYPRESS

Scientific Name: *Taxodium distichum*
 100 Gallon
 3.5"-4" Caliper
 50'-70' Height
 30' Spread



BOSQUE ELM

Scientific Name: *Ulmus parvifolia*
 'Bosque'
 100 Gallon
 3.5"-4" Caliper
 14'-15' Height
 7'-9' Spread



PREFERRED SHRUBS

JAPANESE PLUM YEW

Scientific Name: *Cephalataxus harringtonia*
 5 Gallon
 1.5' - 2' Height
 3' - 4' Spread

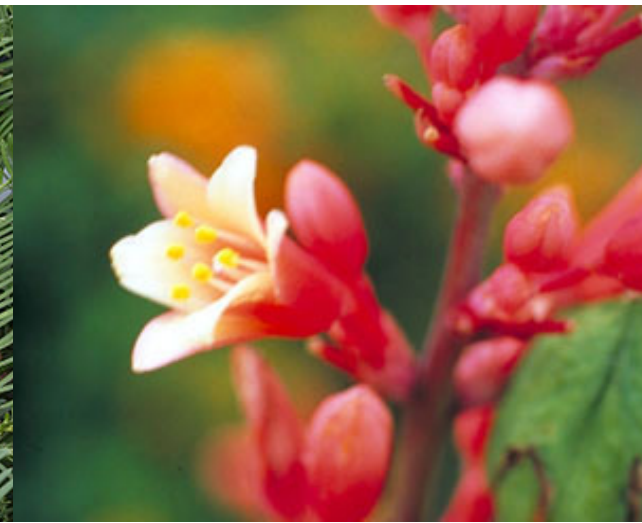
Low spreading, evergreen conifer with strong texture and arching branches. The green needles of this shrub are soft to the touch. Needs regular water through establishment, then moderate water requirements.



RED YUCCA

Scientific Name: *Hesperaloe parviflora*
 5 Gallon
 3 feet tall, with a flower stalk to 6 feet,
 6' Spread

Red Yucca has thick sword shaped recurved gray-green foliage. The plant itself only reach 2-3 feet in height but the bloom can reach up to 5 feet in height. Red Yucca blooms starting spring and keeps going until early fall. The flowers are more pink or salmon in color,



YELLOW YUCCA

Scientific Name: *Hesperaloe parviflora*
 5 Gallon
 3 feet tall, with a flower stalk to 6 feet,
 6' Spread

From spring through fall, it produces six foot tall flower spikes. The Red-flowering variety has been a staple in southwestern landscapes for many years. This is simply a yellow-flowering selection. Use this tough accent plant in full sun. Since it also tolerates reflected heat, yellow yucca is a reliable plant to use along sidewalks, in parking lots, etc.



WINTER BERRY

Scientific Name: *Ilex verticillata 'Nana'*
 5 Gallon
 6' - 15' Height
 6' - 10' Spread

It is a shrub growing to 1-5 m tall. It is one of a number of hollies which are deciduous, losing their leaves in the fall. In wet sites, it will spread to form a dense thicket, while in dry soil it remains a tight shrub. The leaves are glossy green, 3.5-9 cm long, 1.5-3.5 cm broad, with a serrated margin and an acute apex.



AFRICAN IRIS

Scientific Name: *Morea iriodes*
 5 Gallon
 2' - 3' Height
 2' - 3' Spread

Upright evergreen grass-like perennial with occasional white blooms with purple centers throughout the warm months. Low maintenance, requiring only occasional cleaning and dead-heading. Needs moderate water for establishment and continual growth.



RUSSIAN SAGE

Scientific Name: *Perovskia atriplicifolia*
 35"-59" Height
 23-35" Spread

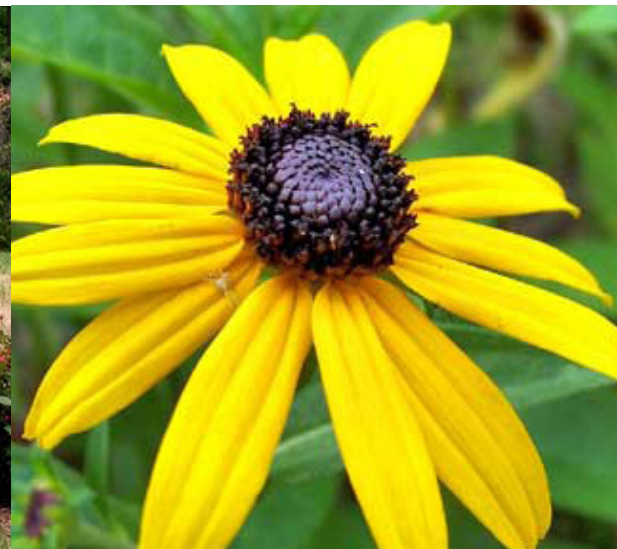
Russian sage is an important player in summer and fall gardens. It shows off well against most flowers and provides an elegant look to flower borders. The aromatic leaves are oblong, deeply cut along the edges. Foot-long panicles of flowers bloom for many weeks. Excellent drainage and full sun are ideal, although very light shade is tolerated.



BLACK EYED SUSAN

Scientific Name: *Rudbeckia hirta*
 18"-72" Height

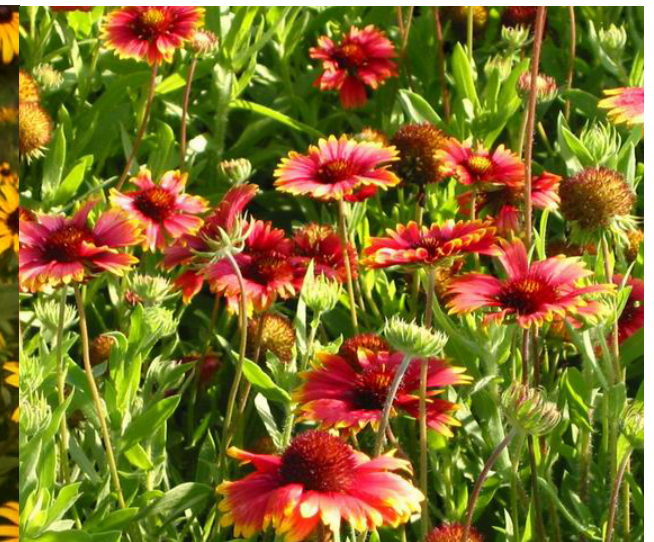
Mostly in shades of yellow and gold, the plants range in height from 18 inches to a full 72 inches in height and bloom in late summer into fall. Planting is 18 inches apart for the shorter varieties and 24 inches apart for the larger plants over 3 feet tall.



INDIAN BLANKET FLOWER

Scientific Name: *Morea iriodes*
 12"-18" Height

Short-lived perennial or annual noted for its brilliant, daisy-like flowers. The large centers of the flowers are rose-purple and the dense, frilly petals are yellow, orange, crimson or copper scarlet.



BIG BLUE LIRIOPE

Scientific Name: *Liriope muscari* 'Big Blue'

1 Gallon

1' Height

1' Spread

Low, evergreen grasslike groundcover with purple flower spikes during cooler periods. The clumping quality of this textural plant looks good year round. Needs moderate water through establishment, then very drought tolerant.



GIANT LIRIOPE

Scientific Name: *Liriope muscari*

24"- 30" Height

A tall growing, dark green grass-like leaves reaching some 24-30 inches in height. This plant produces violet flower spikes in mid summer. This plant can be used as a tall groundcover, border plant, or accent plant. This variety will take full sun to partial shade.



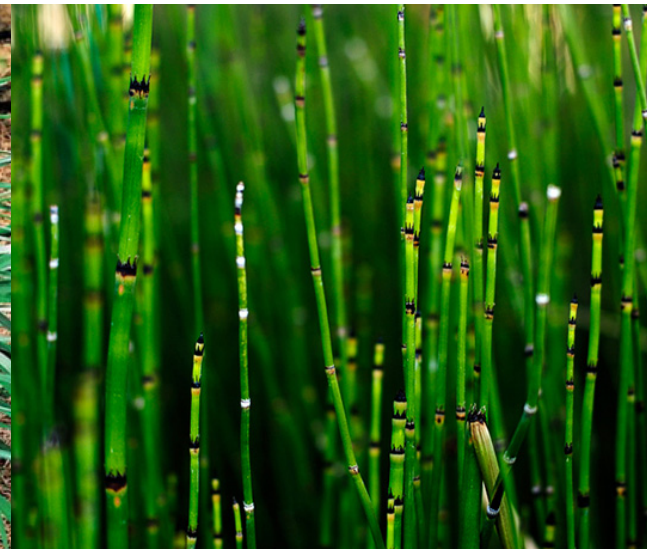
HORSETAIL REED

Scientific Name: *Equisetum arvense*

3 Gallon

18"-24"

Horsetail is a very primitive perennial plant with dark-green hollow, jointed or segmented stems 1/4 to 1/2 inch thick with no true leaves. Stems may be singular or have whorls of branches.



PURPLE WINTERCREEPER

Scientific Name: *Euonymus fortunei* 'COLORATA'

1 Gallon

6"-12"

Dense, woody-stemmed, broadleaf evergreen plant which comes in a variety of forms. Primarily a trailing ground cover form which typically grows to 6-9" tall and spreads indefinitely by rooting stems as a sprawling, tangled, bushy mat.



ADAGIO MAIDEN GRASS

Scientific Name: *Miscanthus sinensis 'Adagio'*
 5 Gallon
 2' - 3' Height
 3' - 4' Spread

Mounding ornamental grass with sprays of yellow blooms in early fall that keep their structure through winter. Will require yearly cut back in March. Needs regular water for establishment then fairly drought tolerant.



MEXICAN FEATHER GRASS

Scientific Name: *Nassella tenuissima*
 1 Gallon or Hydroseed
 1' - 1.5' Height
 1' - 1.5' Spread

Low, extremely fine-textured ornamental grass with feathery blooms that appear from spring through fall, and wave gracefully in the wind. This ornamental grass is semi-evergreen and does not require much maintenance at all. Needs low water through establishment, then very drought tolerant.



LITTLE BLUESTEM

Scientific Name: *Schizachyrium scoparium*
 1 Gallon or Hydroseed
 2.5' - 3.5' Height
 1' - 2' Spread

Very upright blue-green native prairie grass and proven ornamental grass. The noted vertical structure turns reddish yellow and remains strong through the winter. Will require yearly cut back in March. Needs low water through establishment, then very drought tolerant.




FOUNTAIN GRASS

Scientific Name: *Pennisetum alopecuroides 'Hameln'*
 5 Gallon
 1.5' - 2.5' Height
 2' - 3' Spread

Low clumping ornamental grass with catpillar-like blooms in mid-summer through fall. Much of the structure remains through the winter. Will require yearly cut back in March. Needs moderate water for establishment then fairly drought tolerant.





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