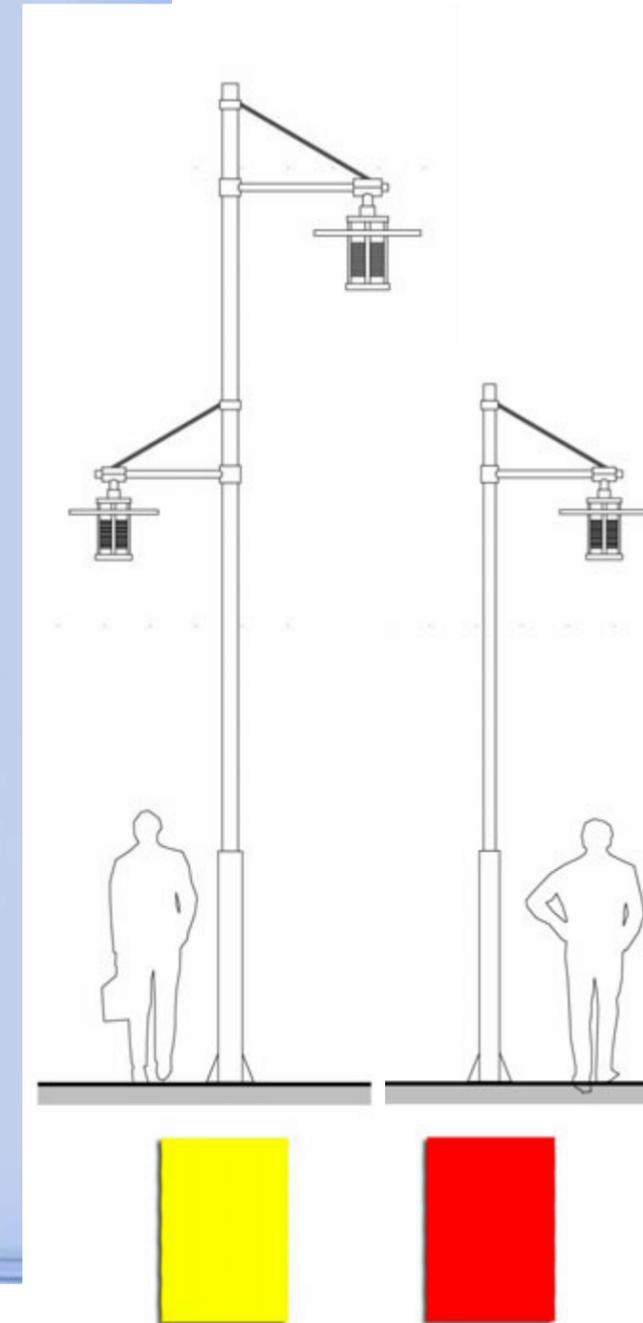
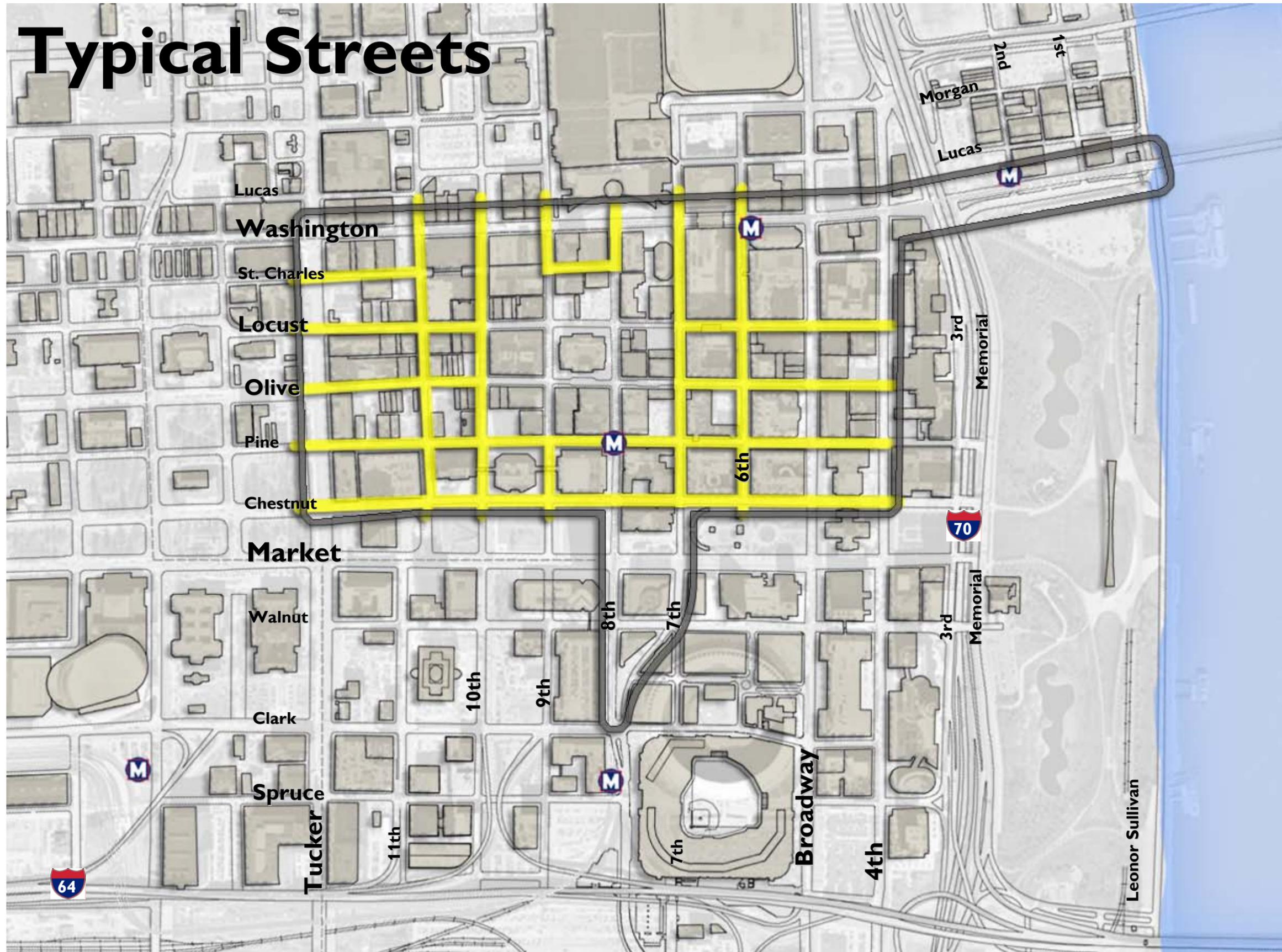
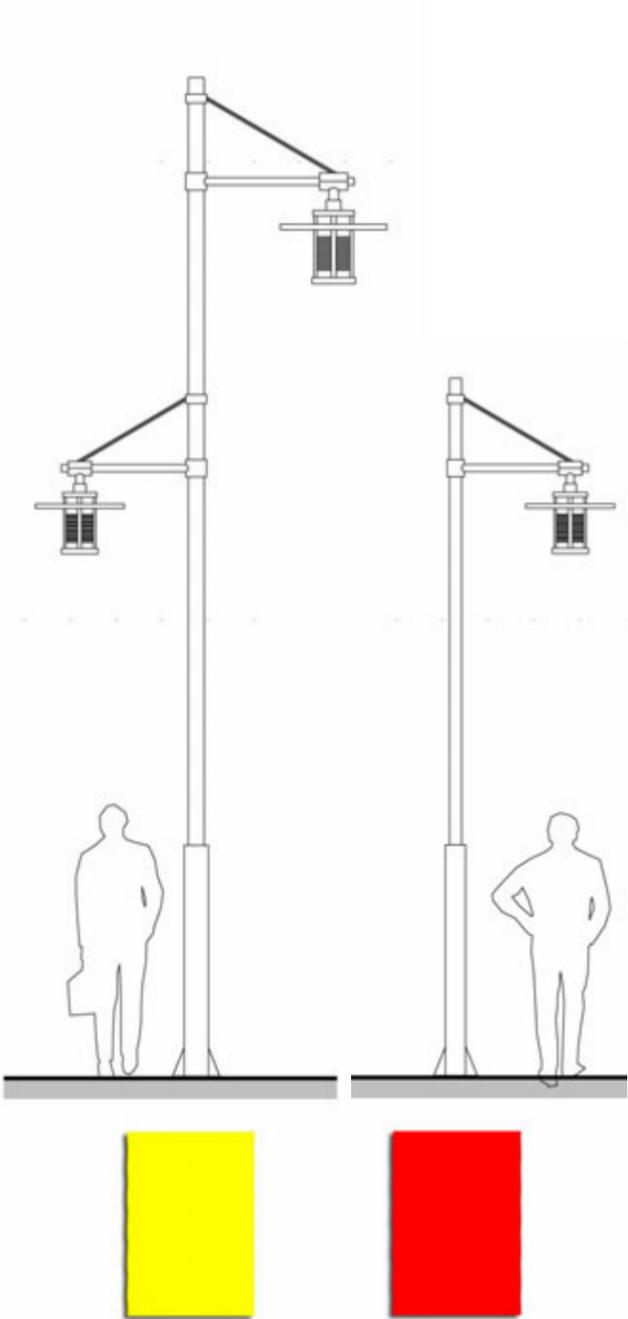
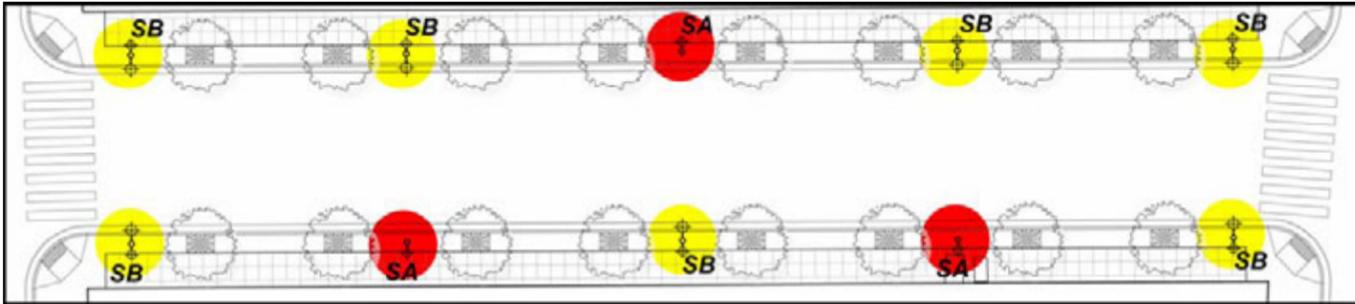


Typical Streets

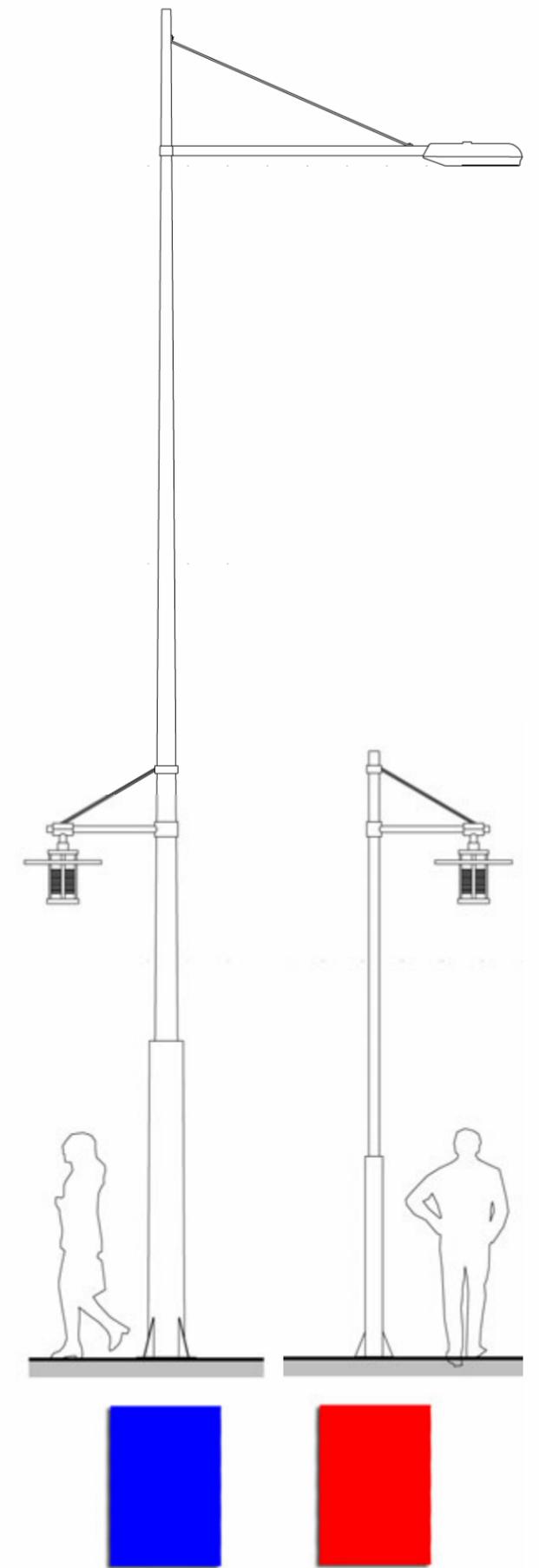
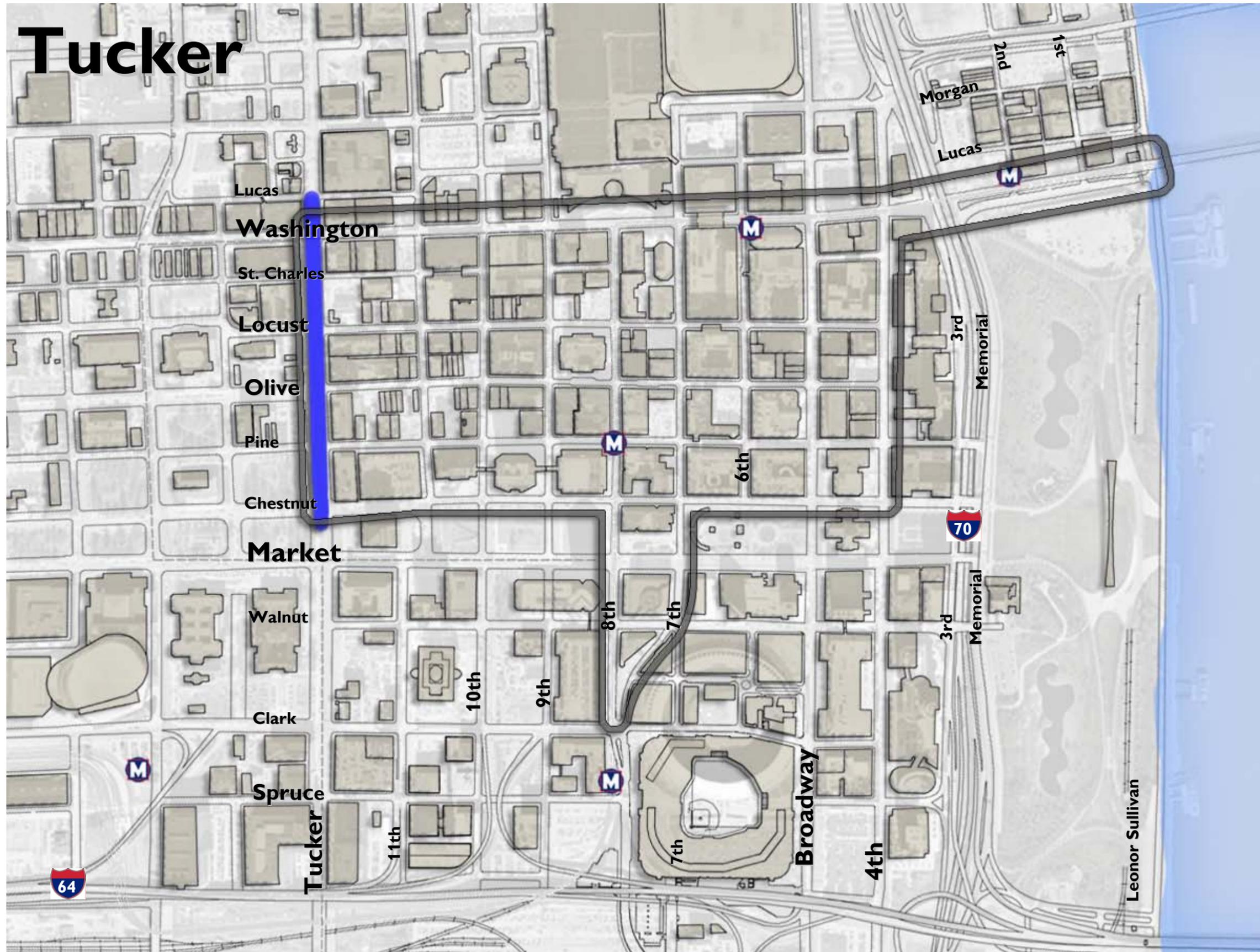


Typical Streets

- Staggered Streetlight Poles across Street
- Alignment of Streetlight Poles at Intersection
- 60' Module
- Pedestrian Poles align with Streetlight Poles

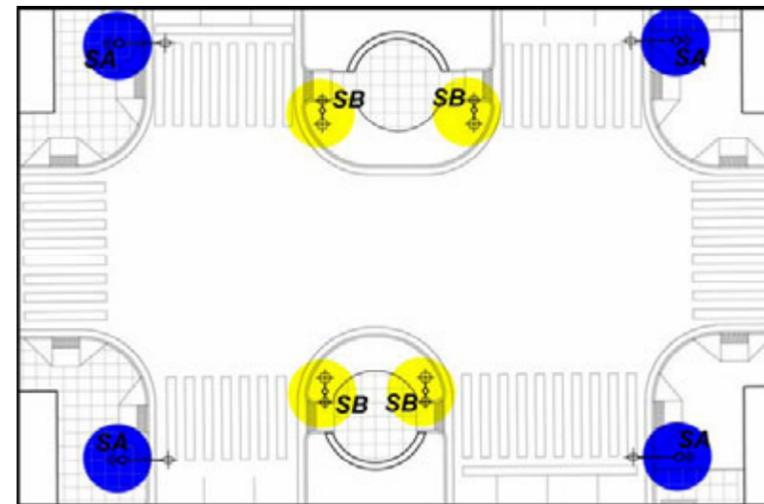
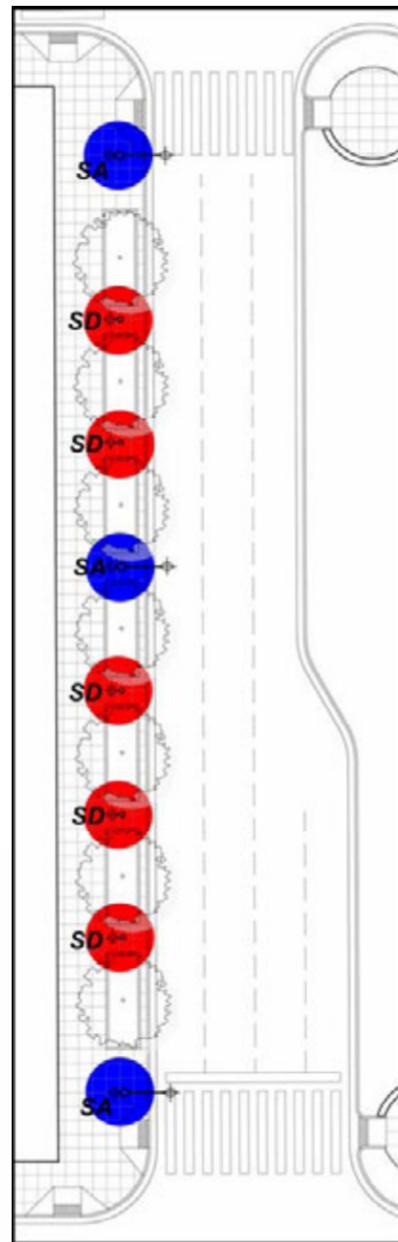


Tucker

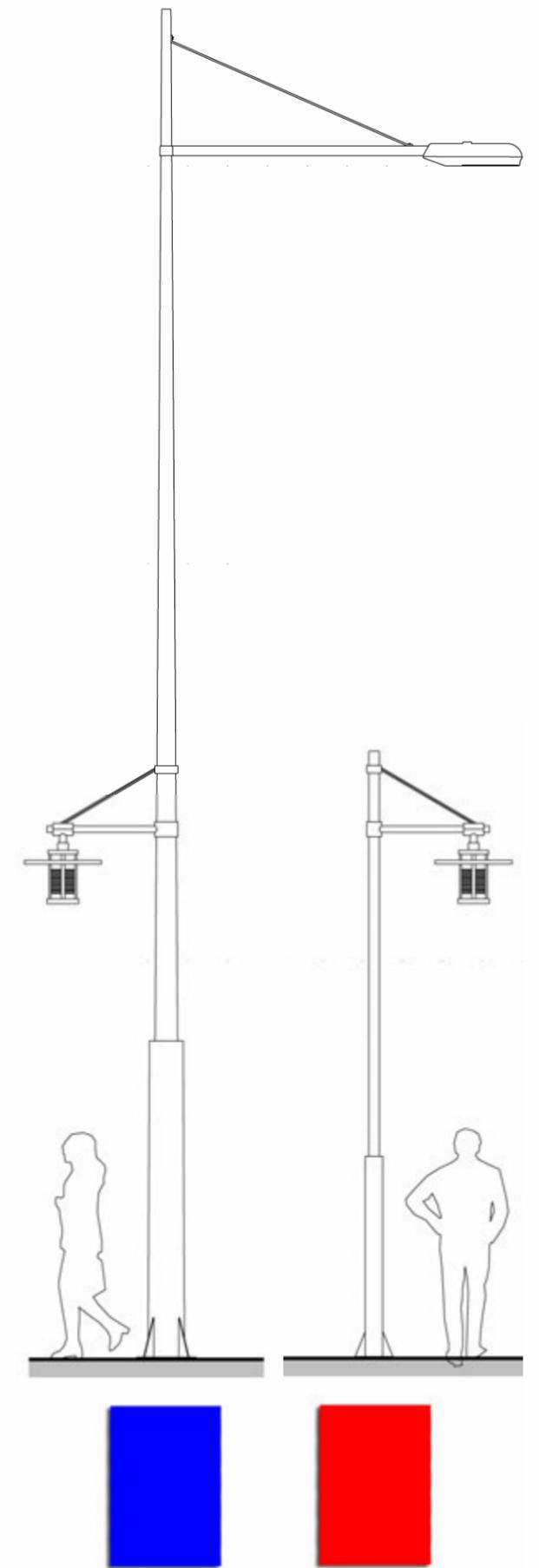
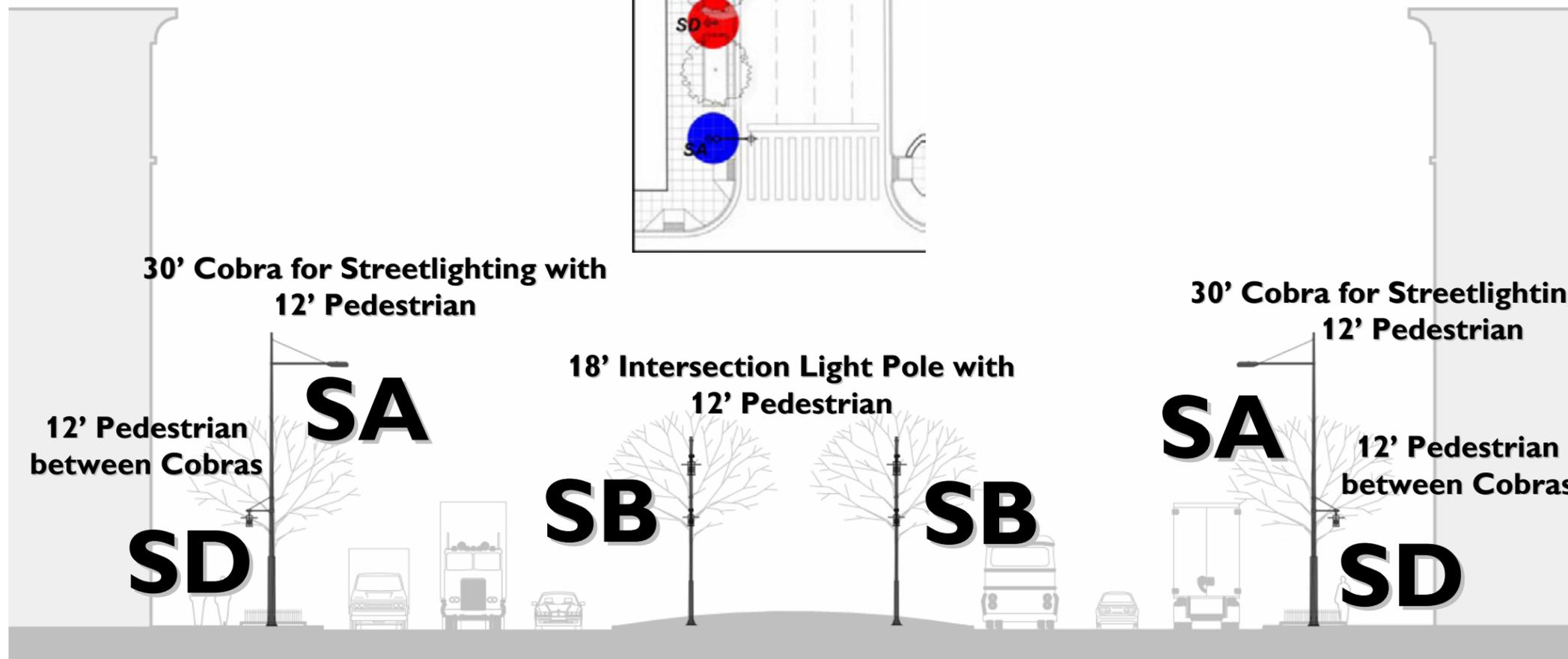


Tucker

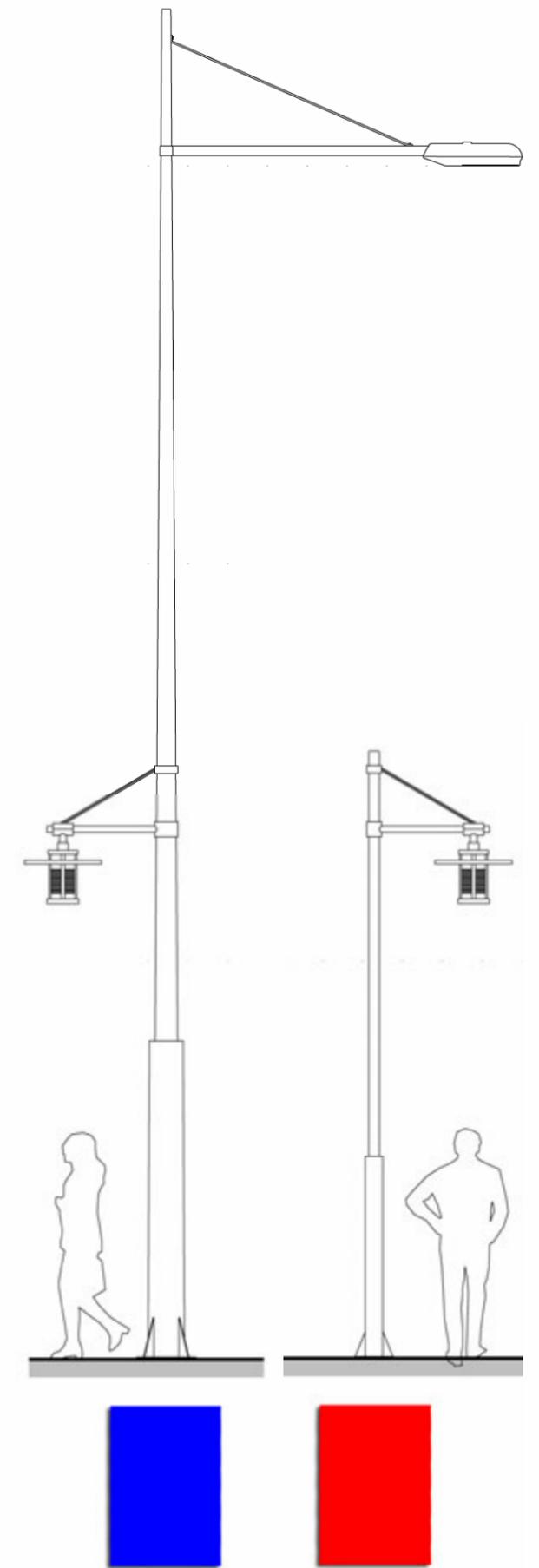
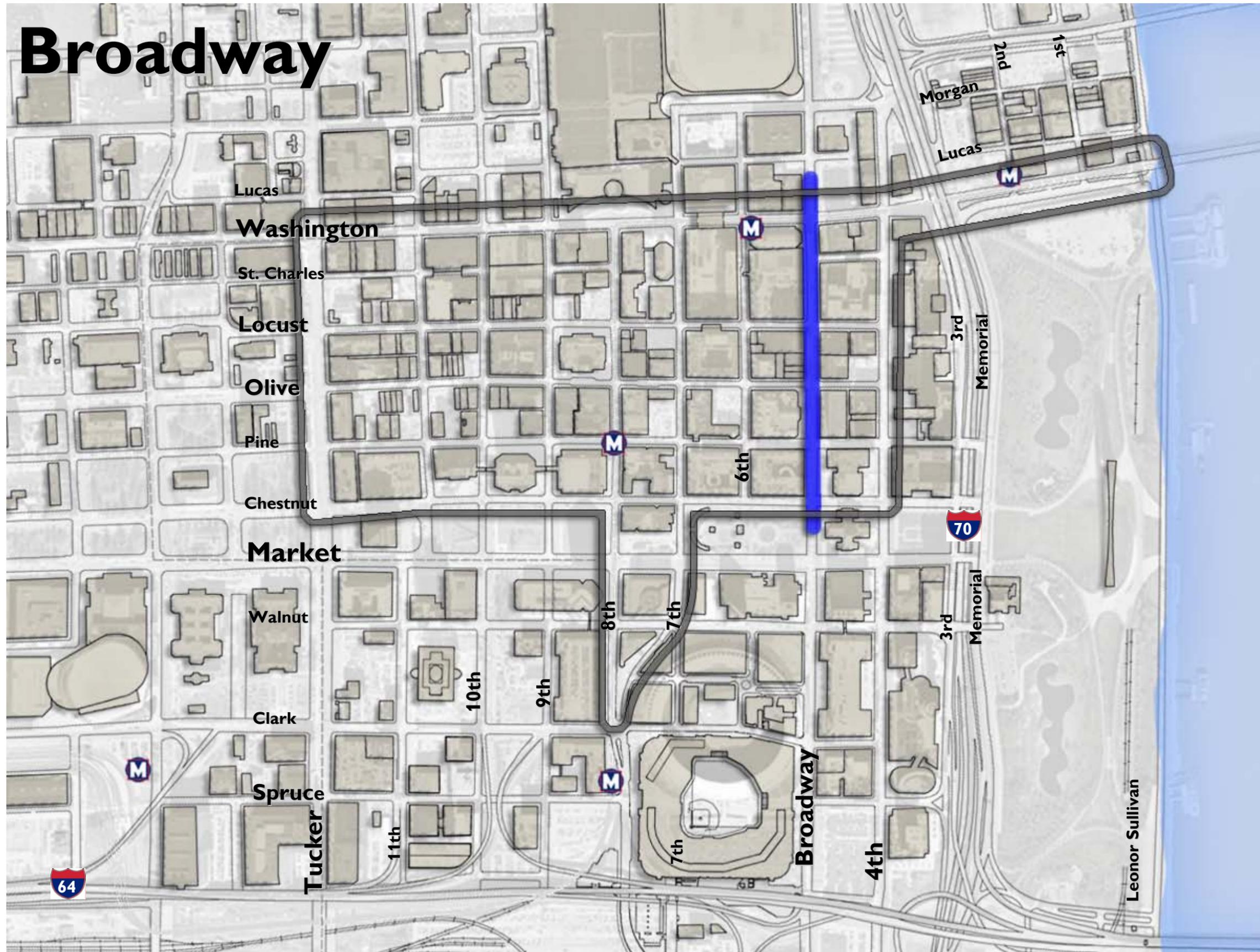
- Alignment of Cobras across Tucker
- Alternating Cobra/Pedestrian Rhythm
- 90'-120' Cobra Module
- 30' Pedestrian Module



Intersection

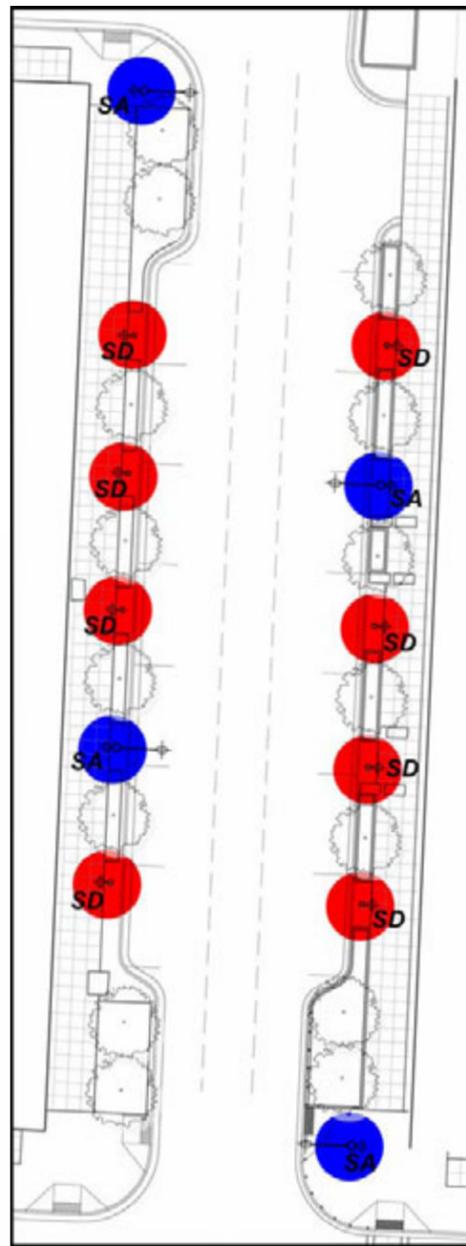


Broadway



Broadway

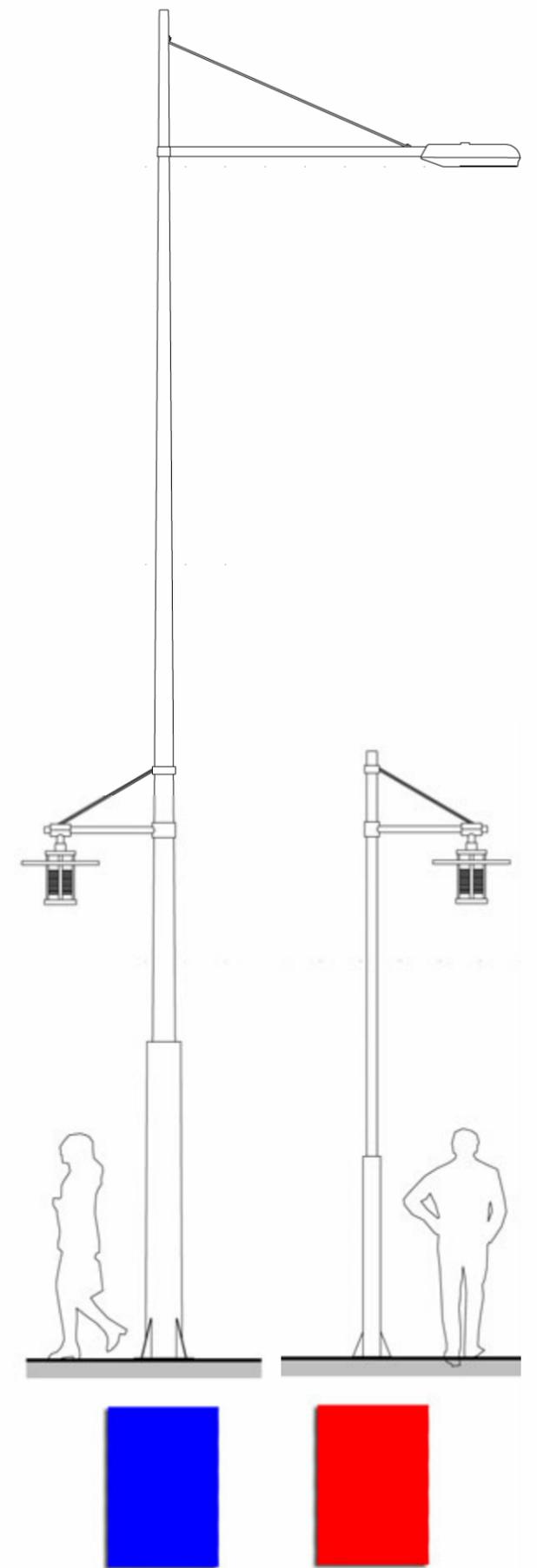
- Staggered Cobra Alignment
- Alternating Cobra/Pedestrian Rhythm

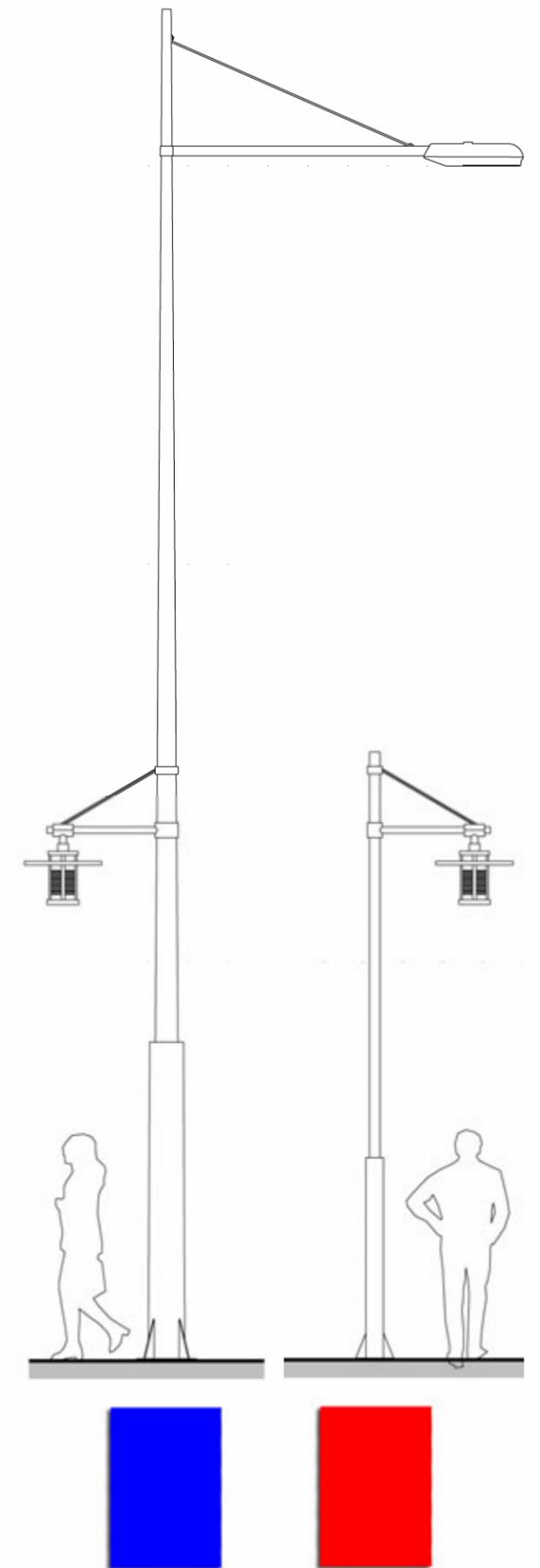
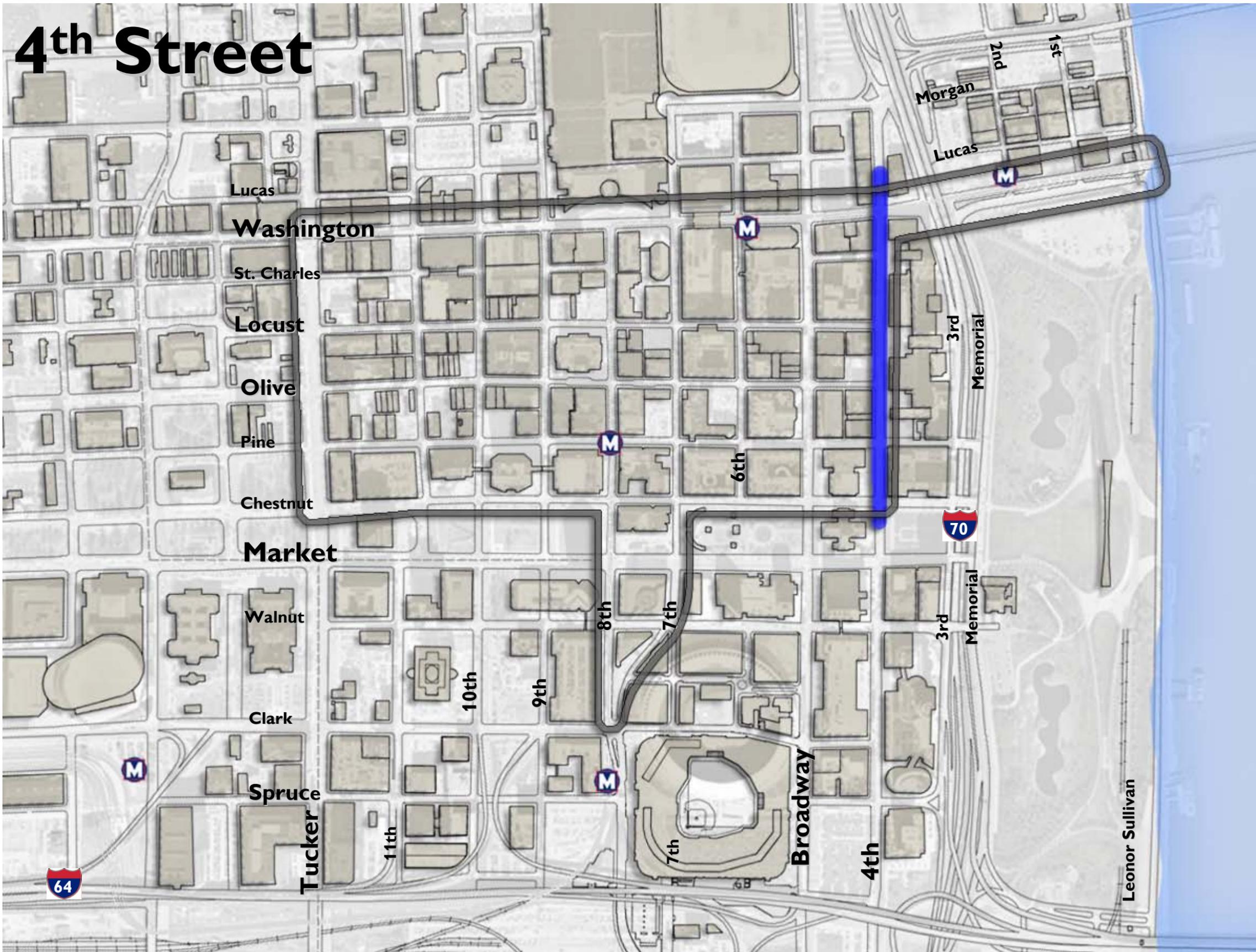


30' Cobra for Streetlighting with
12' Pedestrian



12' Pedestrian
SD





St. Louis CBD Downtown Streetscape :: Enhanced Schematic Design

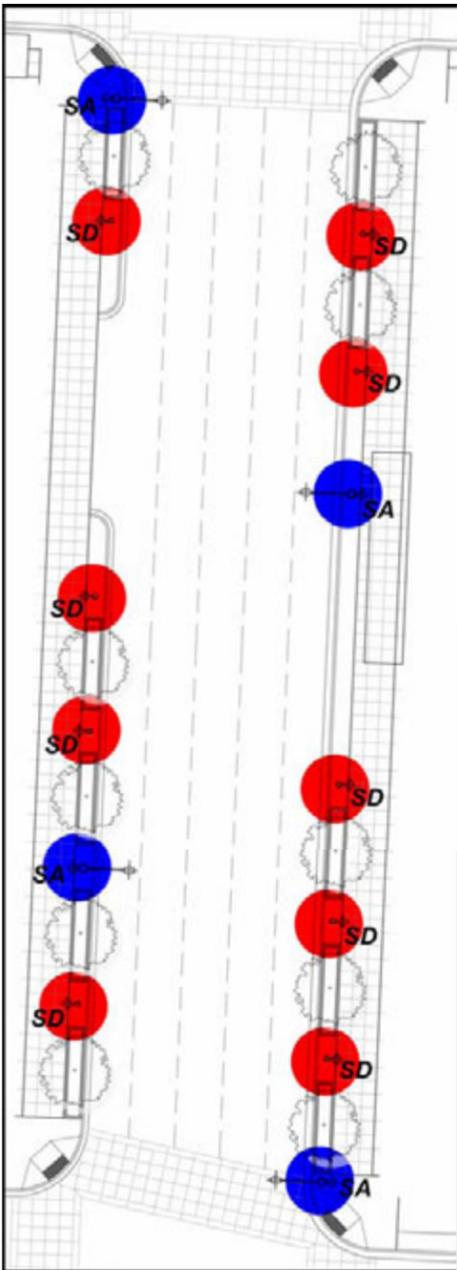
Downtown Now! :: Downtown St. Louis Partnership :: St. Louis Development Corporation :: theHOKPlanningGroup :: HOK Lighting Group :: Kiku Obata & Company :: David Mason & Associates :: EDM, Inc.

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Lighting System :: 4th Street
2.51

4th Street

- Staggered Cobra Alignment
- Alternating Cobra/Pedestrian Rhythm



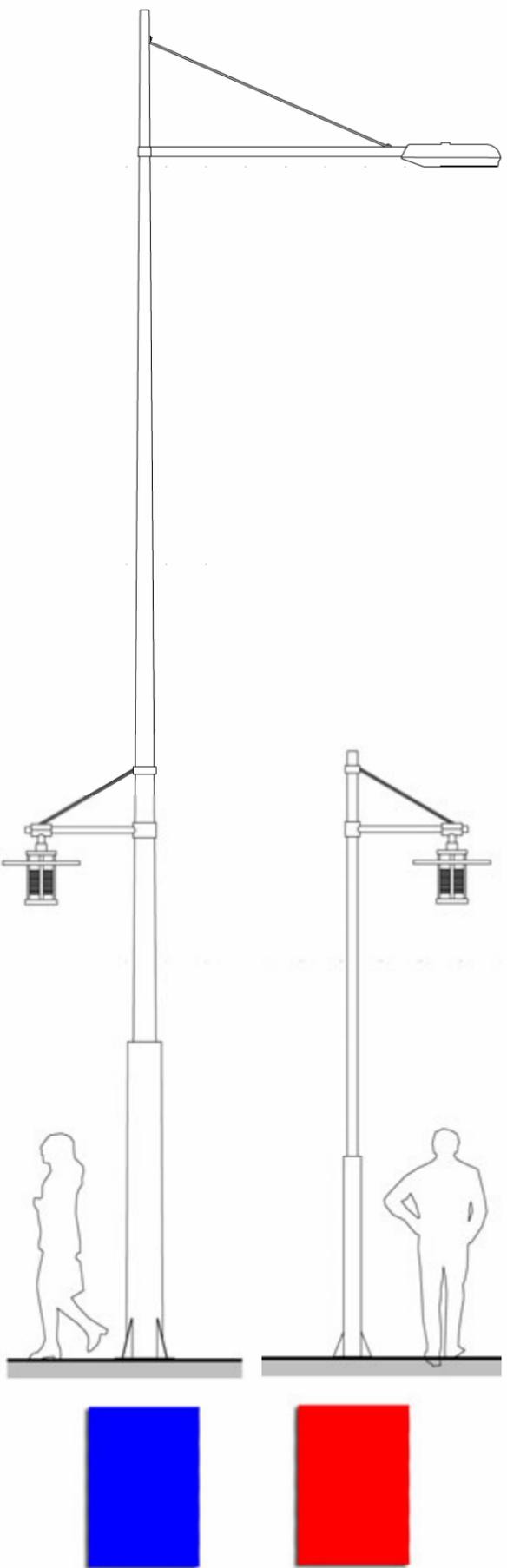
30' Cobra for Streetlighting with
12' Pedestrian

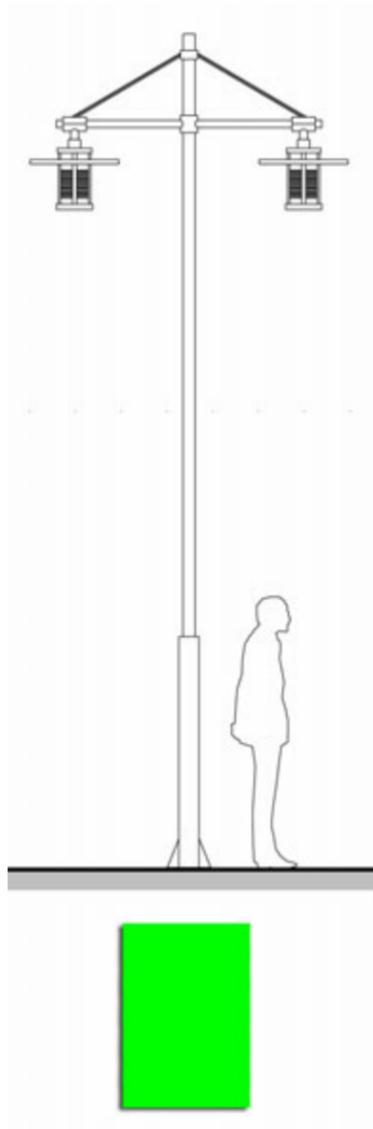
SA



12' Pedestrian

SD





St. Louis CBD Downtown Streetscape :: Enhanced Schematic Design

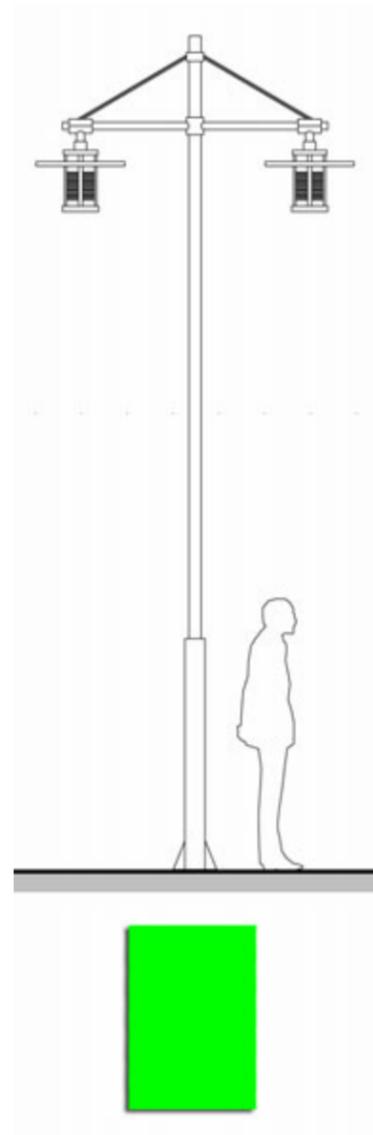
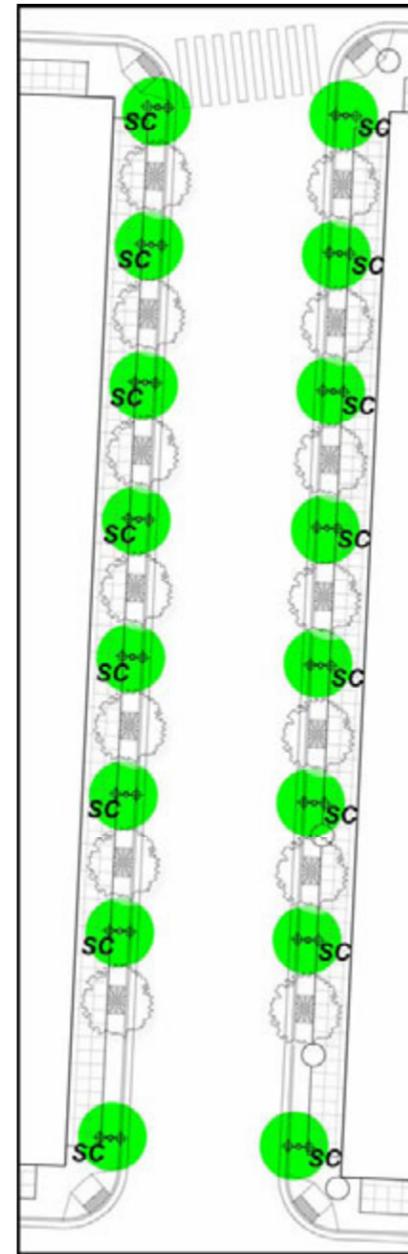
Downtown Now! :: Downtown St. Louis Partnership :: St. Louis Development Corporation :: theHOKPlanningGroup :: HOK Lighting Group :: Kiku Obata & Company :: David Mason & Associates :: EDM, Inc.

Lighting System :: 8th Street
2.53

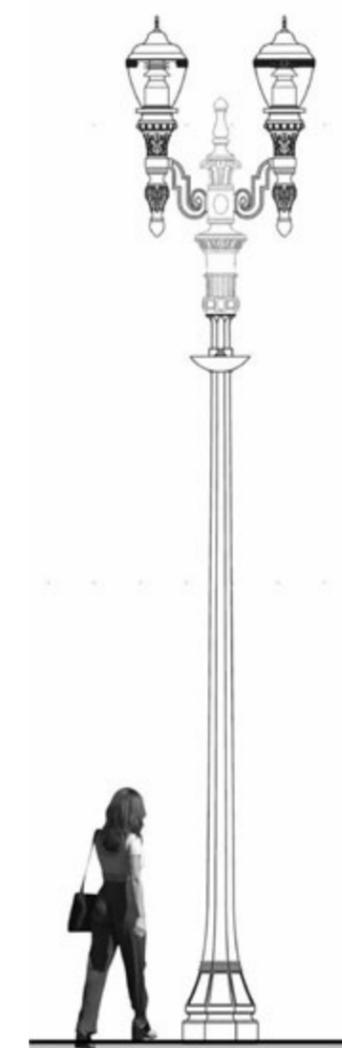
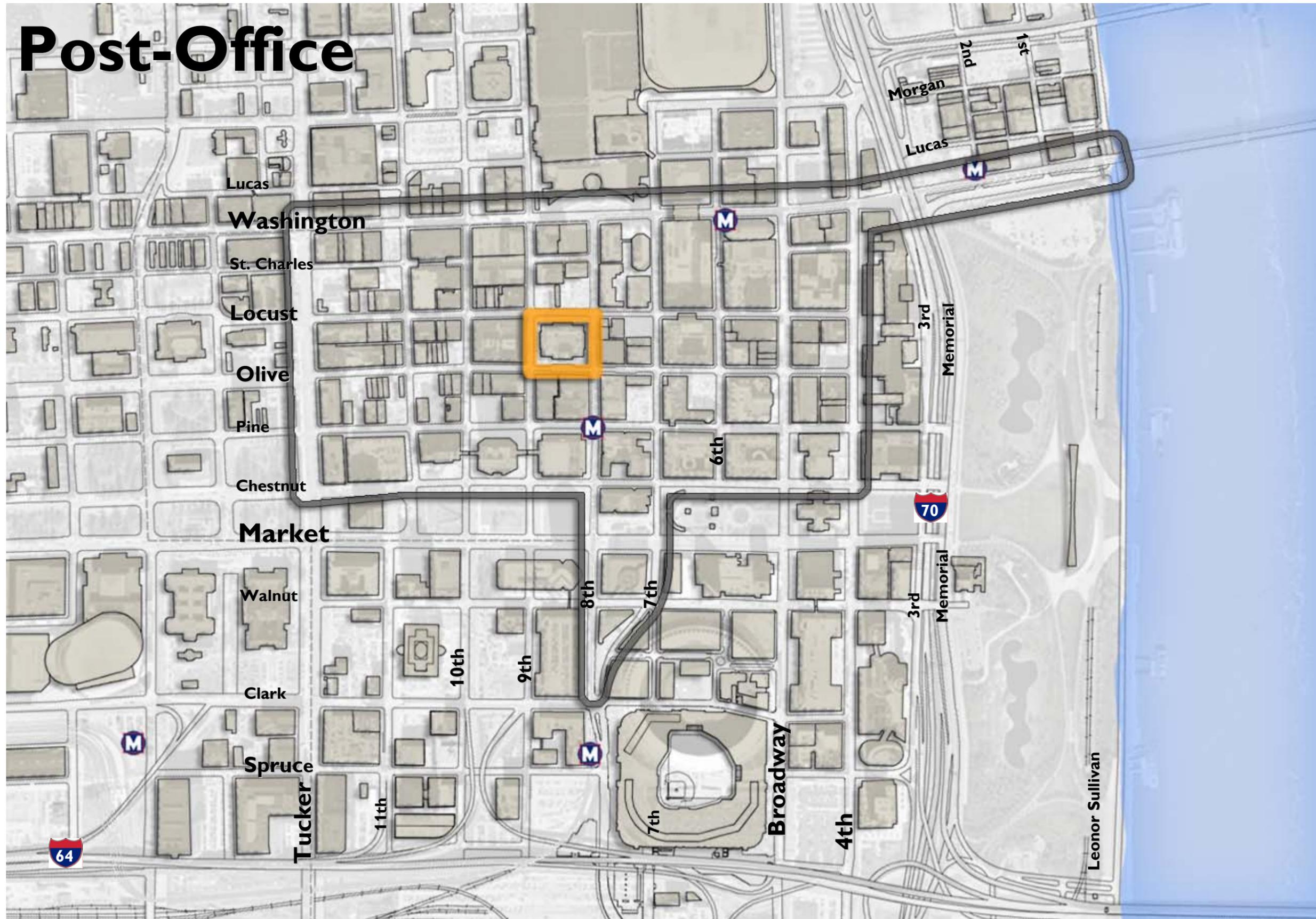
September 2004

8th Street

- Alignment of Poles across Street
- Continuous Rhythm along 30' Module

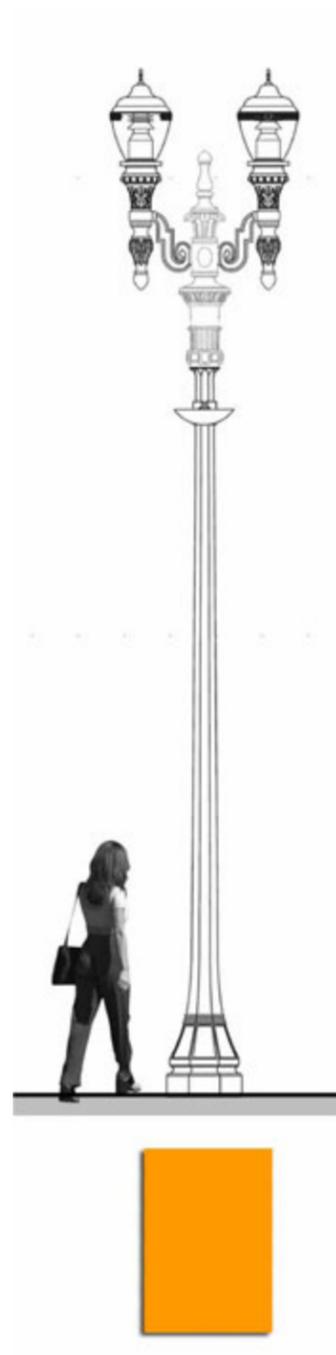
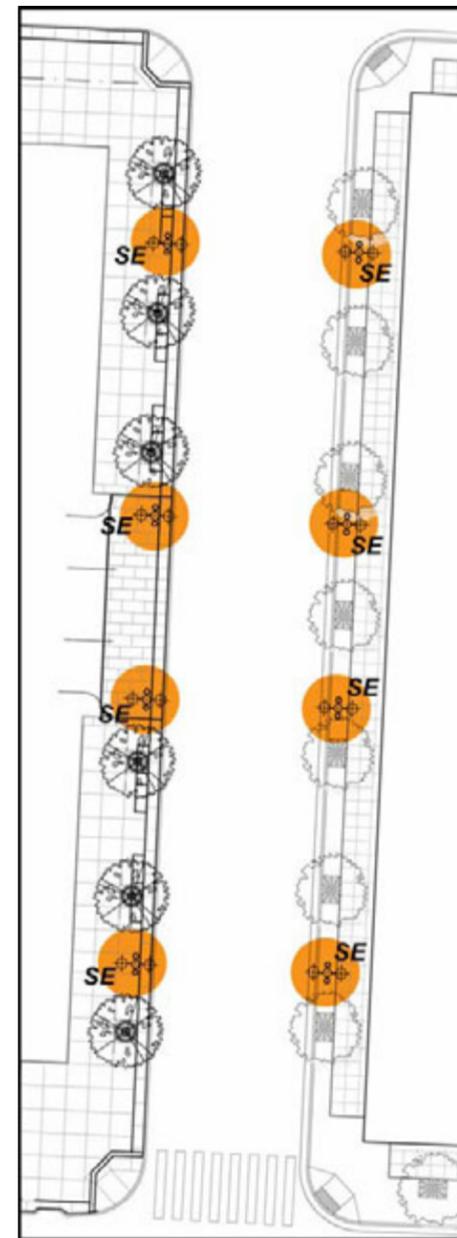
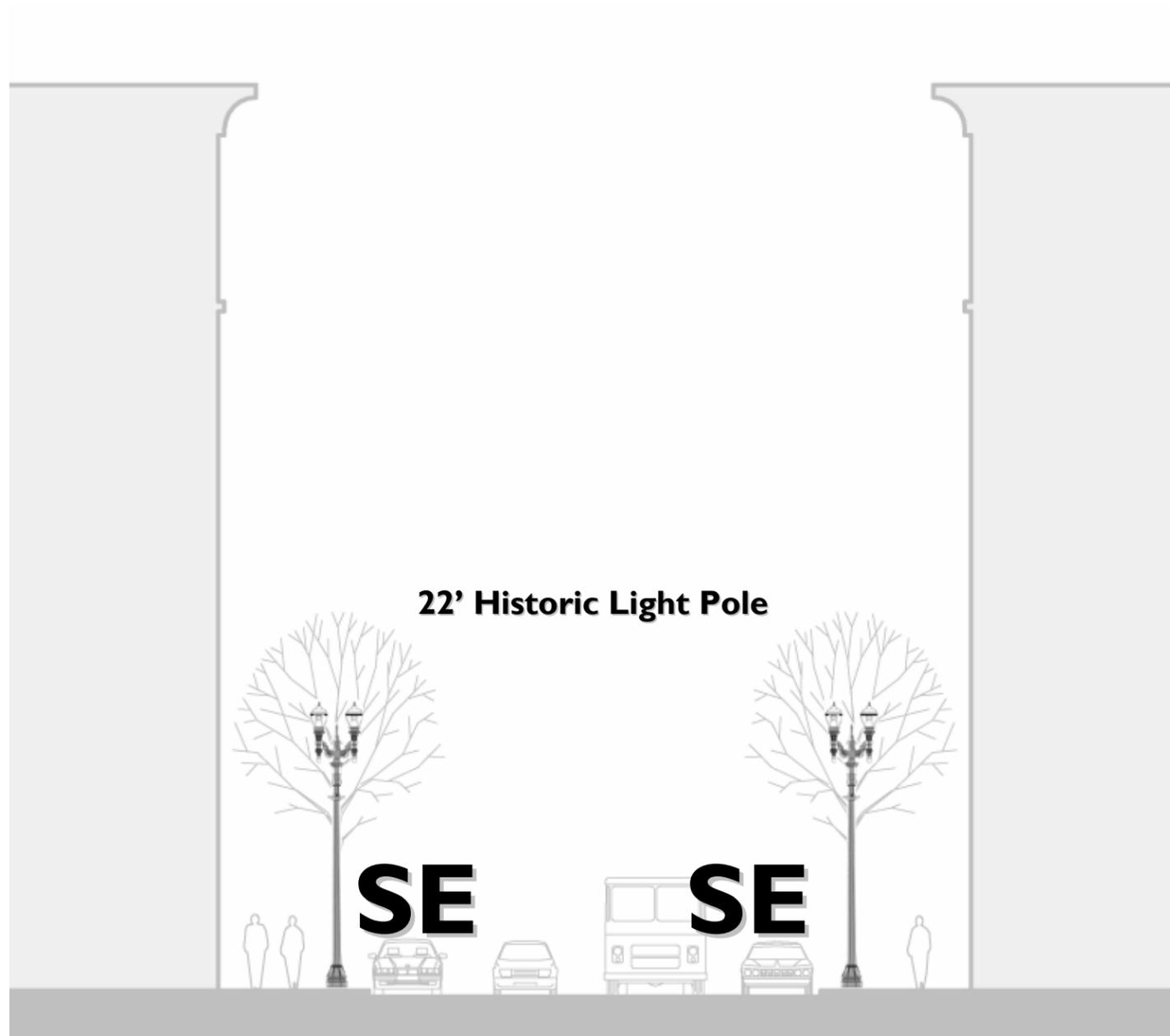


Post-Office

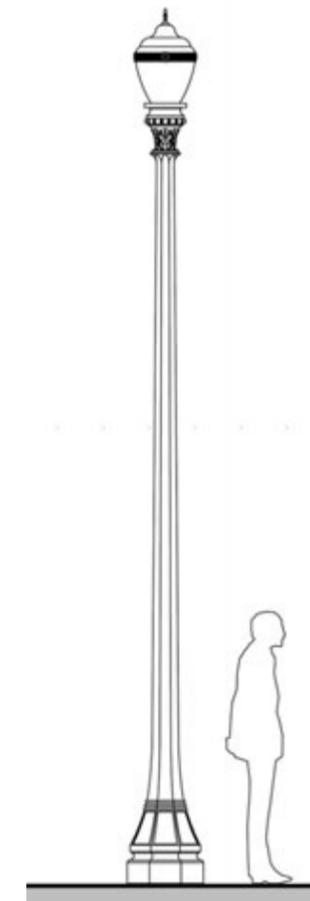
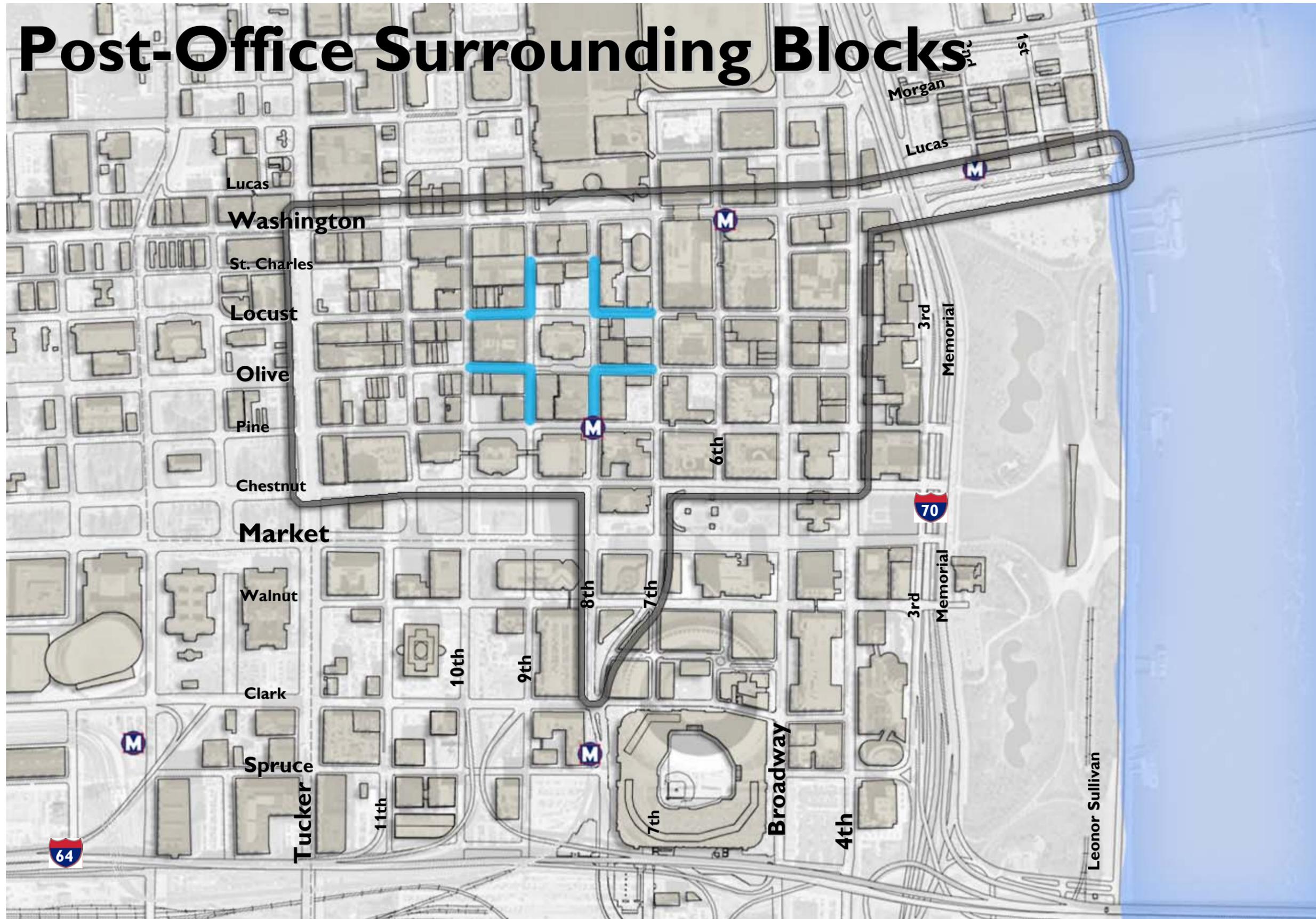


Post-Office

- Aligned Poles across Street
- 60' Module

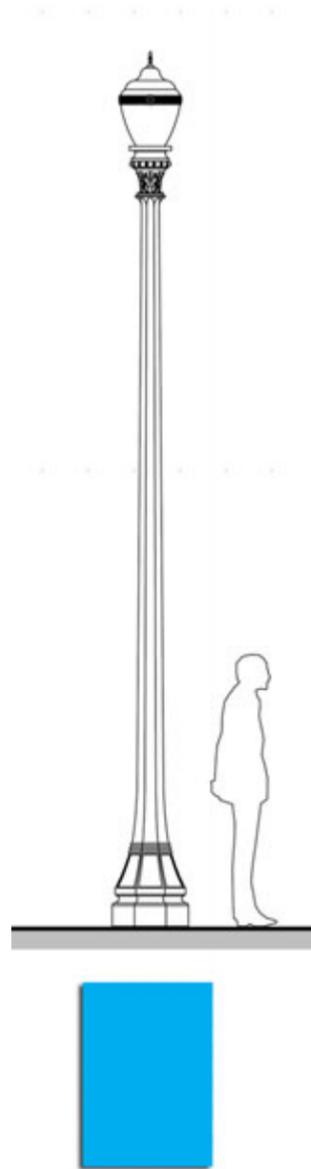
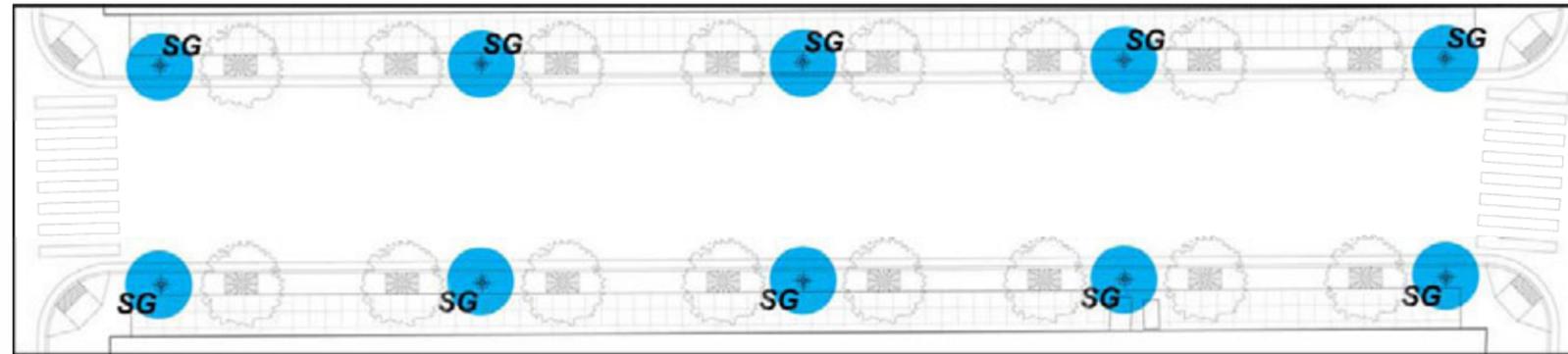


Post-Office Surrounding Blocks

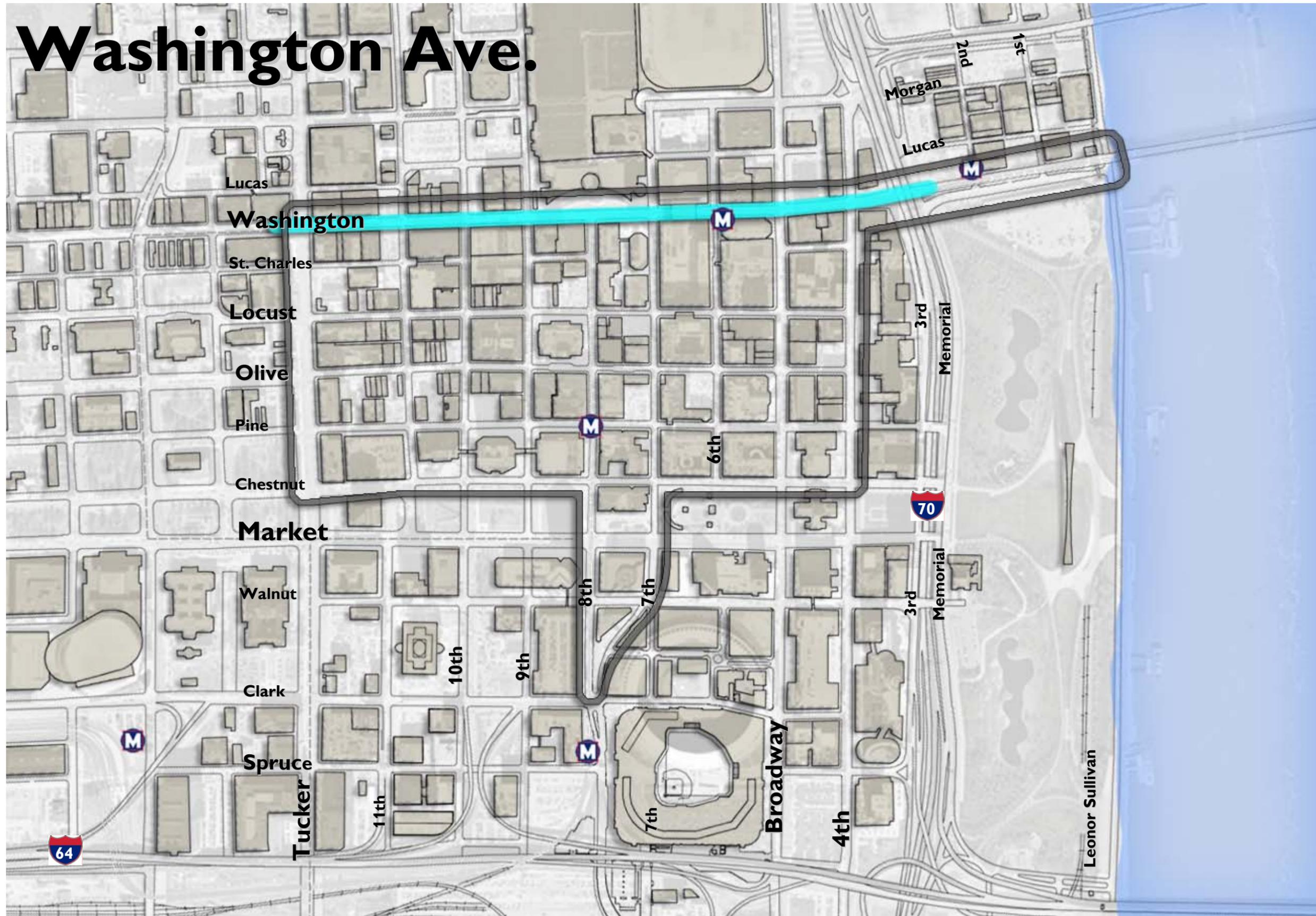


Post-Office Surrounding Blocks

- Aligned Poles across Street
- 60' Module

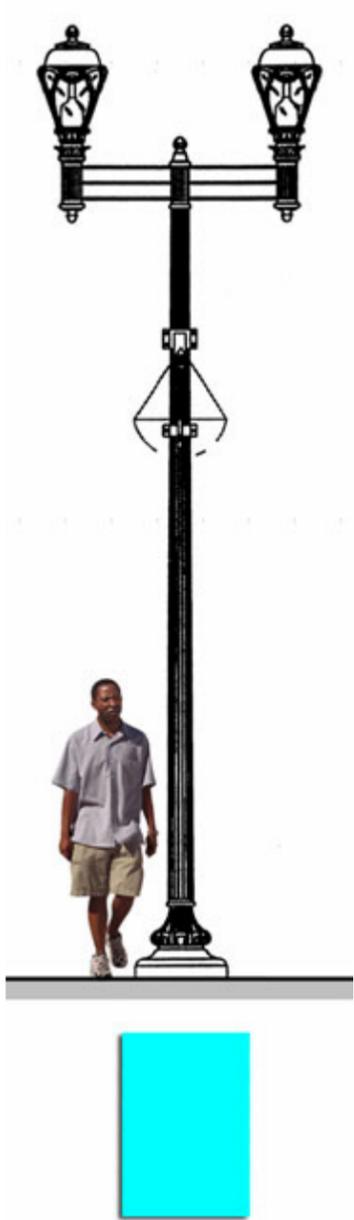
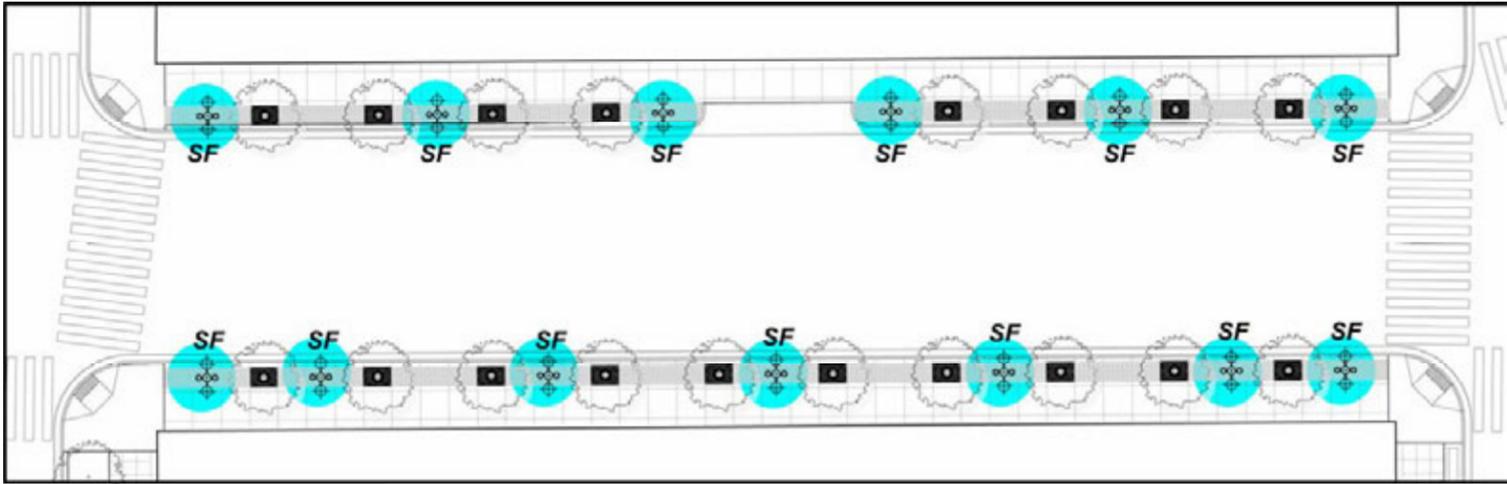


Washington Ave.

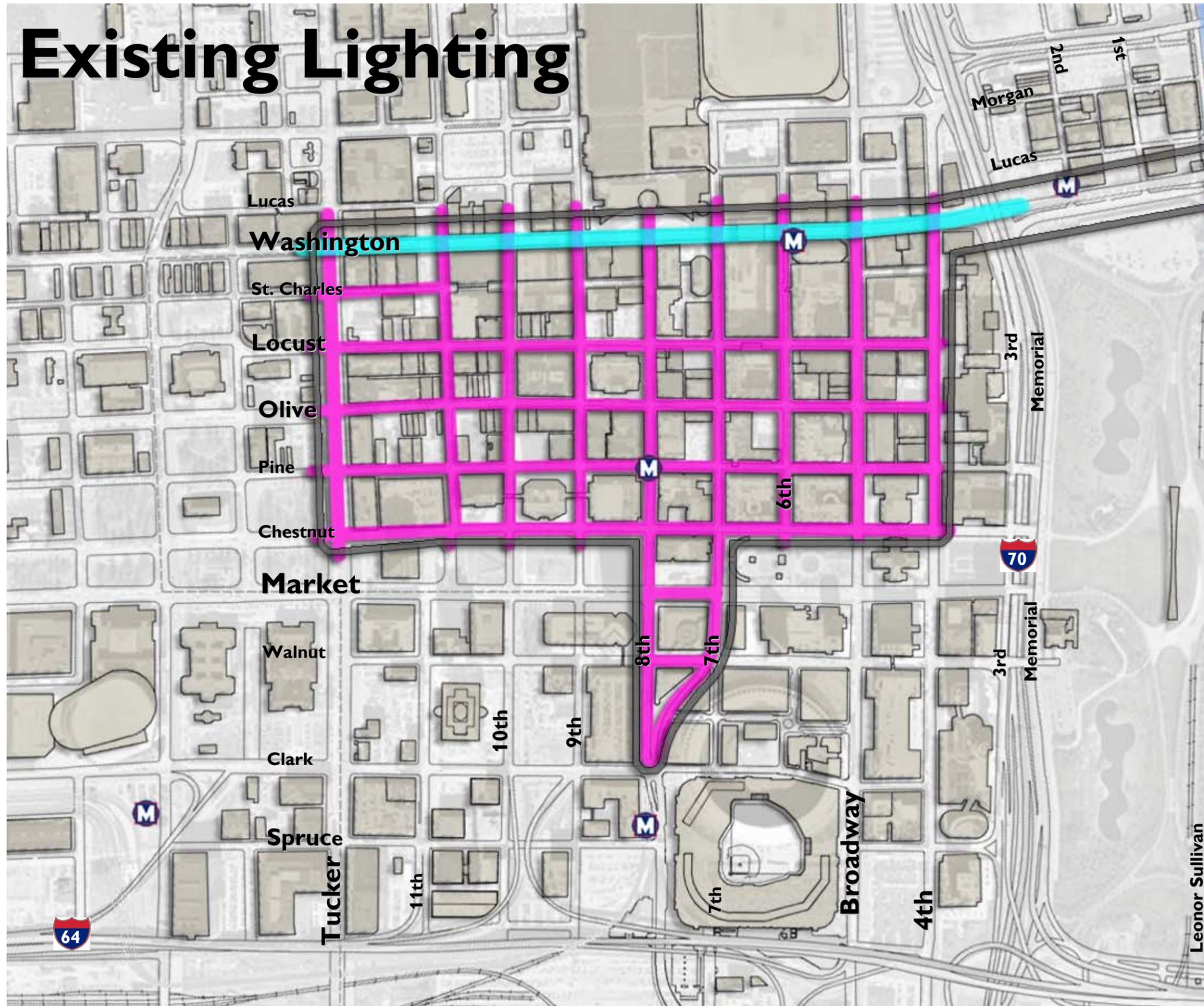


Washington Ave.

- Aligned Poles across Street
- 60' Module



Existing Lighting

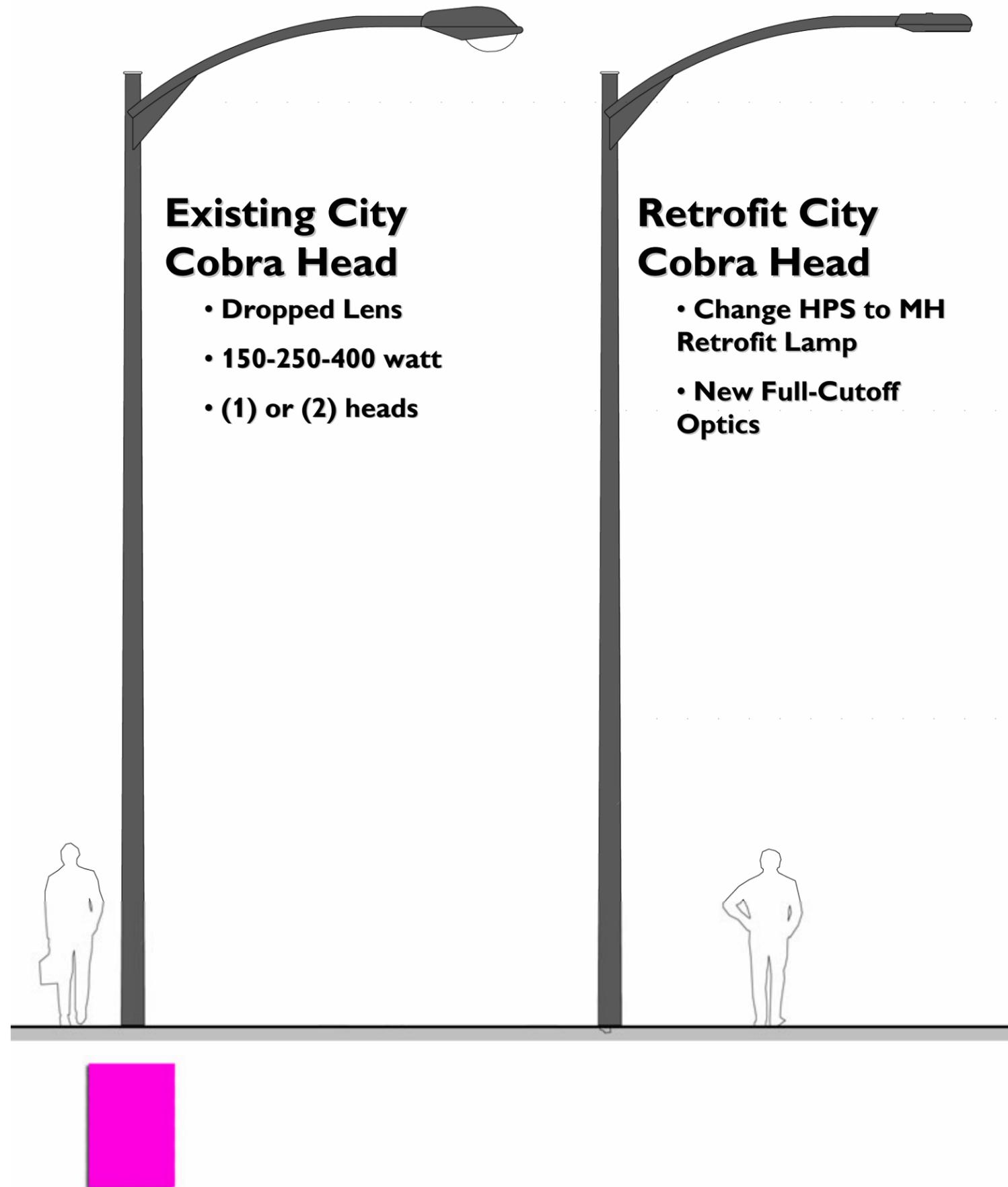


Retrofit Opportunities

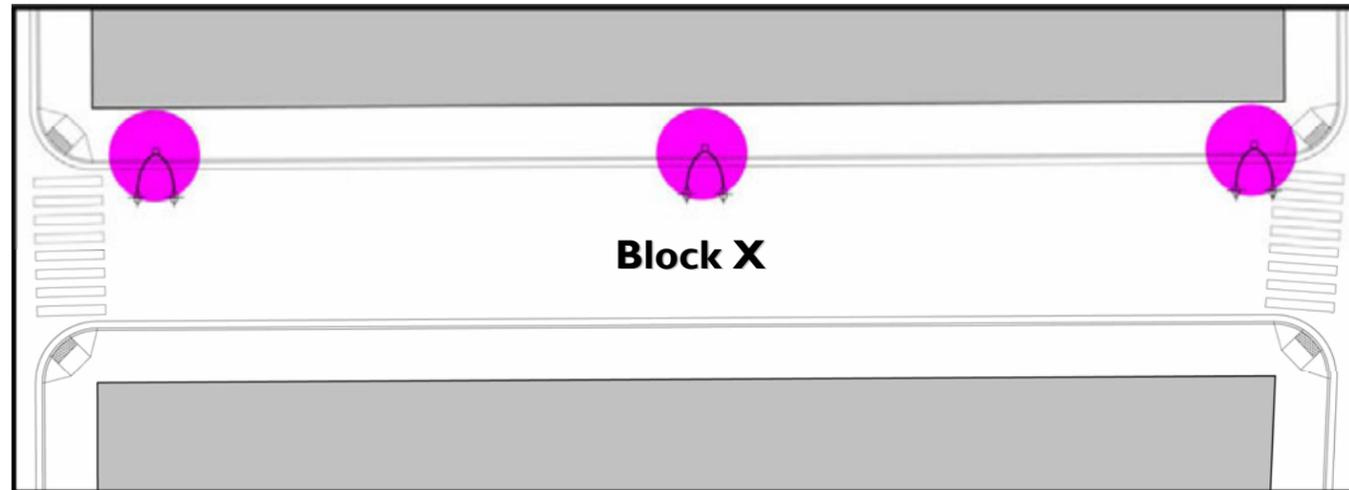
As city blocks are upgraded, partial city blocks may still have city cobra heads. Possible upgrades are as follows:

- HPS to MH retrofit lamp = ~\$50
- Dropped lens to cutoff style head = ~\$250

Note: Wattages and optics of replacement luminaires/lamps must match existing. Reduction in wattage is recommended on a case by case basis but must meet IESNA illumination level requirements as well as city approval.

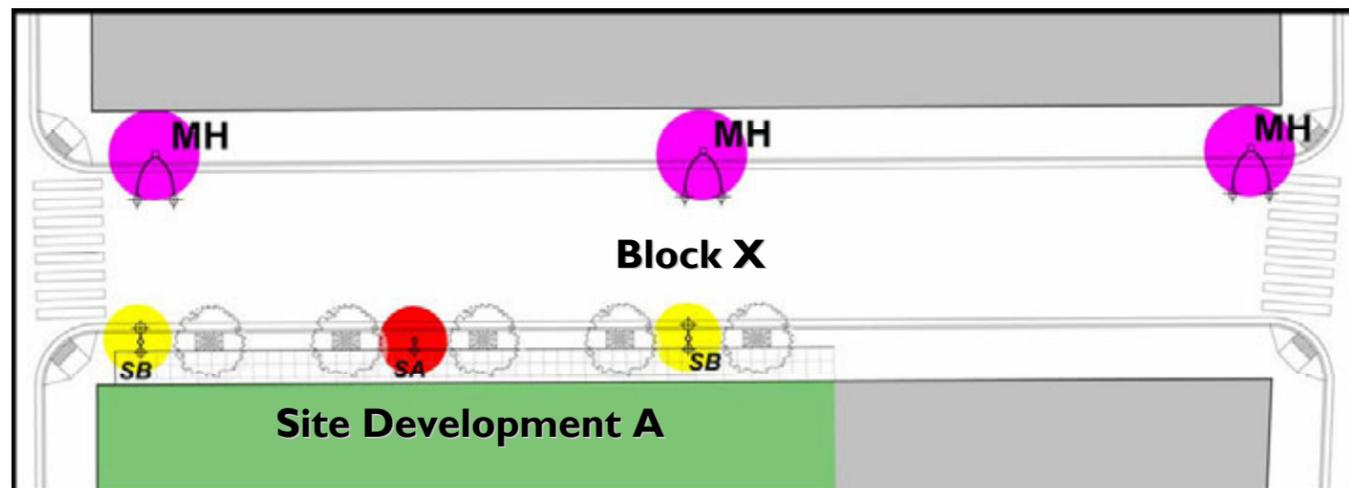


Partial Block Development



Existing City Cobra Light Poles Illuminated a City Block

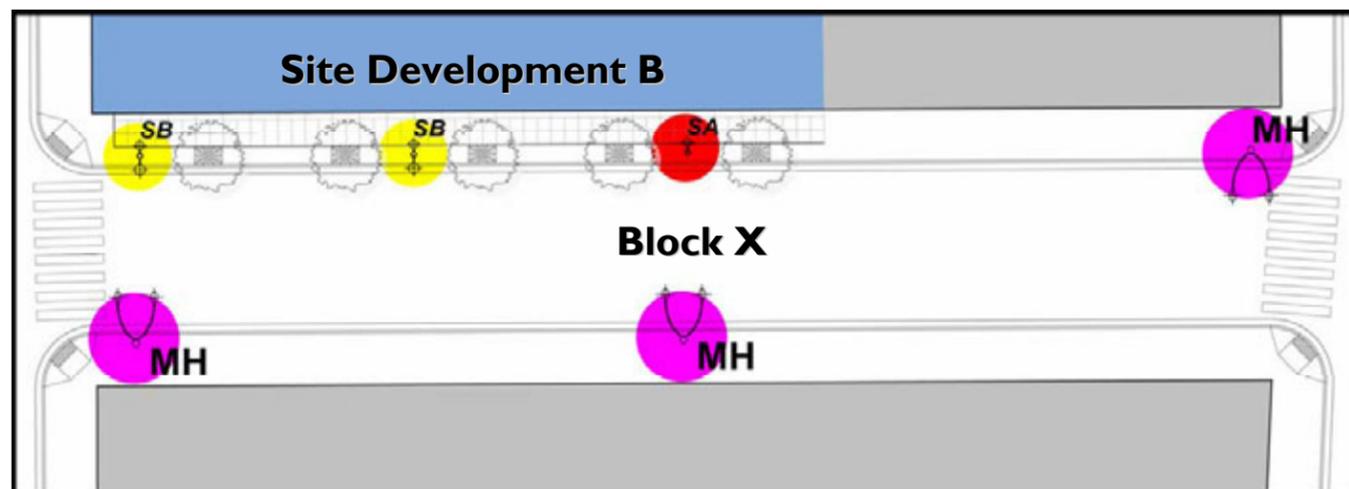
- Quantity/Configuration of existing City Cobras vary per block.
- This schematic drawing assumes three City Cobras in the block.
- Survey Drawing notes location/number of City Cobras per block.
- This schematic drawing shows approximate new & relocated light fixture locations only.
- City recognizes development will occur a building/sidewalk at a time. The design intent is to “change” the overall color of the lighting on an entire block to show progress & encourage the entire block to implement the new Streetscape Master Plan.



Site Development A = City Cobras on OPPOSITE Side of Street (from your property)

Installation on Block X calls for new city streetlighting/pedestrian fixtures, type SA and SB. Existing City Cobras on opposite side of the street.

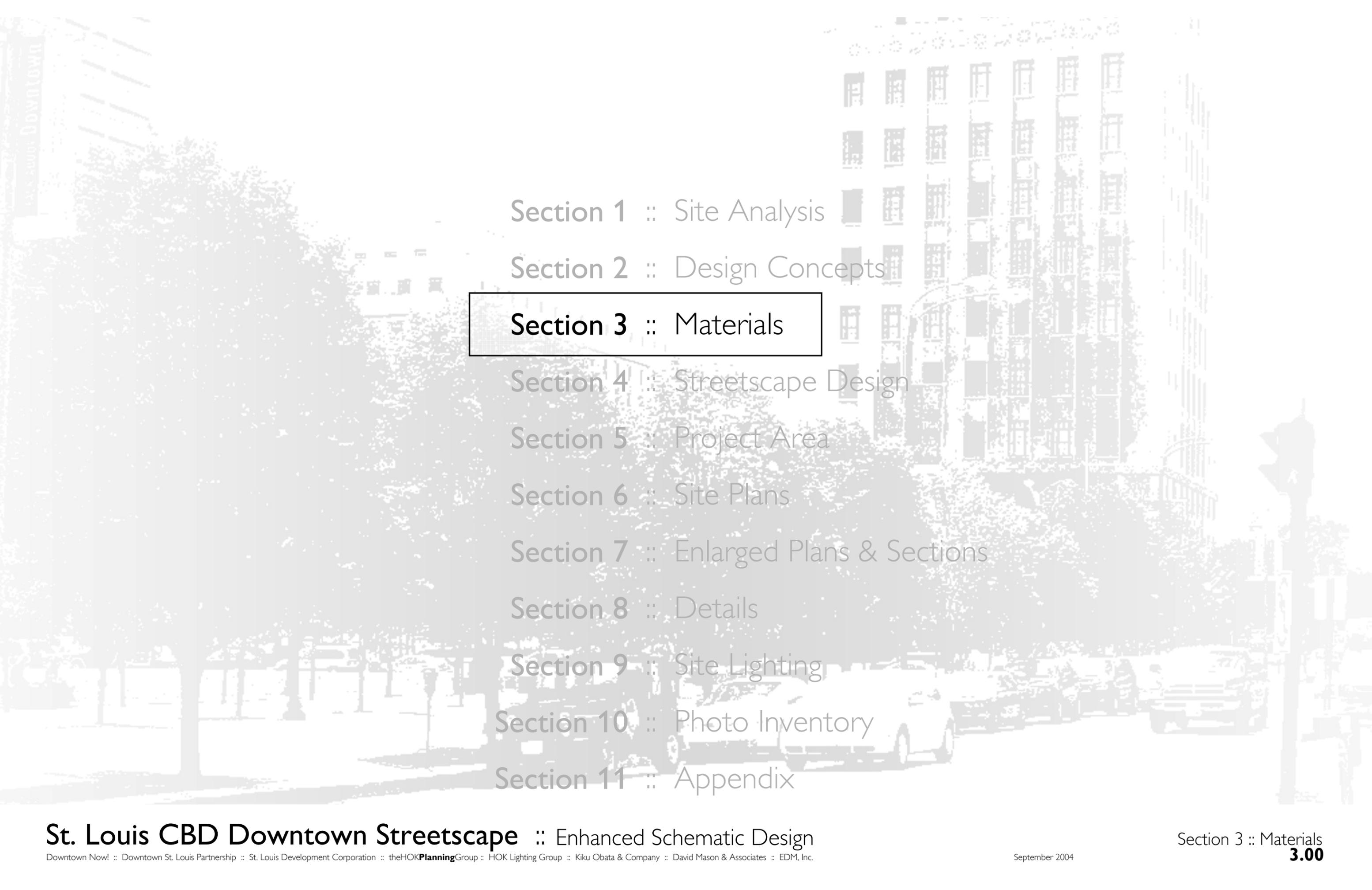
1. Existing City Cobras cannot be removed completely because new lighting system requires light contribution from both sides of street.
2. All existing City Cobras must be upgraded on this block. City Cobra fixtures (heads) will be upgraded from high pressure sodium (yellow) lamps and dropped lens optics to metal halide (white) lamps and full-cutoff fixture optics.



Site Development B = City Cobras on YOUR Side of Street

Installation on Block X calls for new city streetlighting/pedestrian fixtures, type SA and SB to be installed. Existing City Cobras on your side of the street.

1. (2) Existing City Cobras must be removed (salvaged) from this area of the sidewalk to permit new lighting/streetscape installation. These City Cobras will be re-used across the street until future development occurs adding new SA & SB.
2. Existing City Cobras cannot be removed completely because new lighting system requires light contribution from both sides of street.
3. All existing City Cobras must be upgraded on this block. City Cobra fixtures (heads) will be upgraded from high pressure sodium (yellow) lamps and dropped lens optics to metal halide (white) lamps and full-cutoff fixture optics.



Section 1 :: Site Analysis

Section 2 :: Design Concepts

Section 3 :: Materials

Section 4 :: Streetscape Design

Section 5 :: Project Area

Section 6 :: Site Plans

Section 7 :: Enlarged Plans & Sections

Section 8 :: Details

Section 9 :: Site Lighting

Section 10 :: Photo Inventory

Section 11 :: Appendix

Benches

Victor Stanley, Classic Series,
Model CR-196

Material: All fabricated metal components are steel shot-blasted, etched, phosphatized, preheated and electrostatically powder-coated with TGIC polyester powder coatings.

Size: 6' long.

Color: Match existing benches (green).



Bike Racks

Columbia Cascade, Cycloops,
Model 2172-P-C

Material: Powder-coated steel w/ pedestal (fixed surface) mounting option and base cover.

Size: 5" diameter, 3'-0" high, 2 cycle loops overall length is 12".

Color: Match existing furnishings (green).



Bollards

Columbia Cascade, Timberform Metal Bollards, Model 2190-P

Material: Powder-coated steel w/ pedestal (fixed surface) mounting option and base cover.

Size: 5" diameter, 3'-0" high.

Color: Match existing furnishings (green).



Bus Shelters

Wall USA, Product Line Helios, Model Standard

Material: Anodized aluminum and stainless steel w/ powder-coated finishes and safety glass.

Size: As appropriate for space, function and location.

Color: Match Existing.



Kiosks

Wall USA, Product Line Streetlines, Model City Information Panel.

Material: Anodized aluminum and stainless steel w/ powder-coated finished and safety glass.

Size:

Color:



Newspaper Vending

Wall USA, Product Line Challenge, Model News Rack.

Material: Anodized aluminum and stainless steel w/ powder-coated finished and safety glass.

Size:

Color:



Trash Receptacles

Victor Stanley, Ironsites Series, Model S-42

Material: 3/8" solid steel bars w/ powder-coated finish.

Size: 32 gallon capacity.

Color: Match existing furnishings (green).



Tree Grates

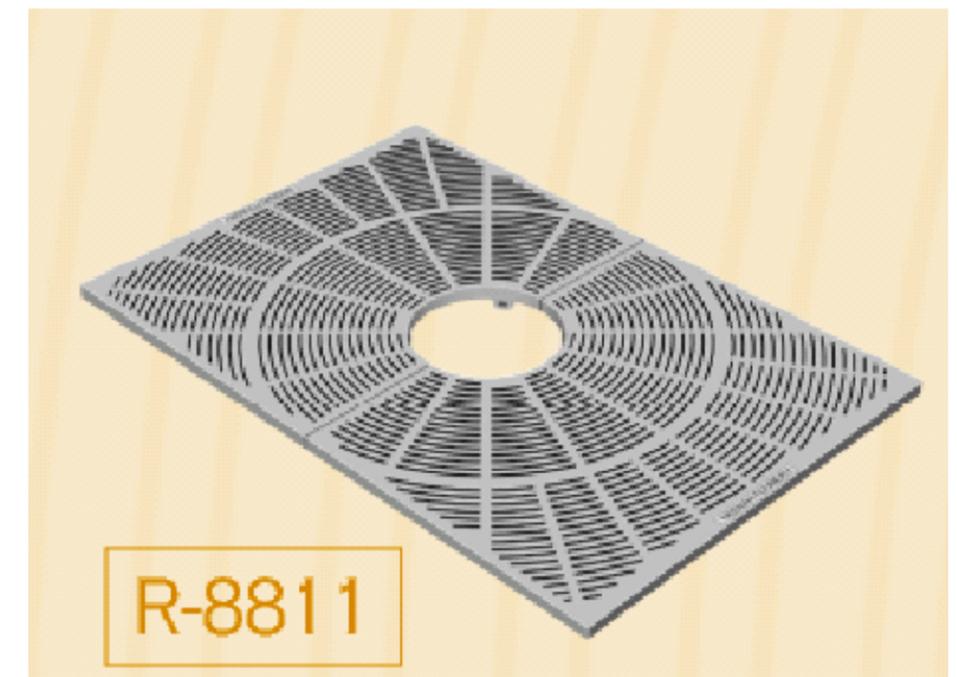
Neenah, Boulevard Collection, Model #R-8811

Materials: Cast Iron

Finish Options: Powder-coated or primed.

Size: 4x6' Rectangular.

Color: Black



Planters

Canterbury International, Charleston
Victorian Group.

Material: Cast aluminum or iron w/
powder-coated finish. Semi-rigid plastic
liner and optional custom cast logo in relief.

Sizes: 42"x21"x18", 42"x42"x18" and
18"x18"x18".

Color: Match existing furnishings.



Median Planter

Longshadow Planters, Classic Garden
Ornaments, LTD, Model LS 9085-Glencoe
42 Square Base

Material: Dry cast limestone.

Size: 21" high x 42" dia. x 36" square base.

Color: Natural limestone.



Vending Kiosks

Wall USA, Product Line Streetlines, Model
Kiosk XH.

Material: Anodized aluminum and stainless
steel w/ powder-coated finished and safety
glass.

Size:

Color:



Paver A

Hanover Architectural Concrete Pavers

Size: 12" x 24"

Color: Charcoal



Paver B

Hanover Architectural Concrete Pavers

Size: 12" x 12"

Color: Limestone Gray



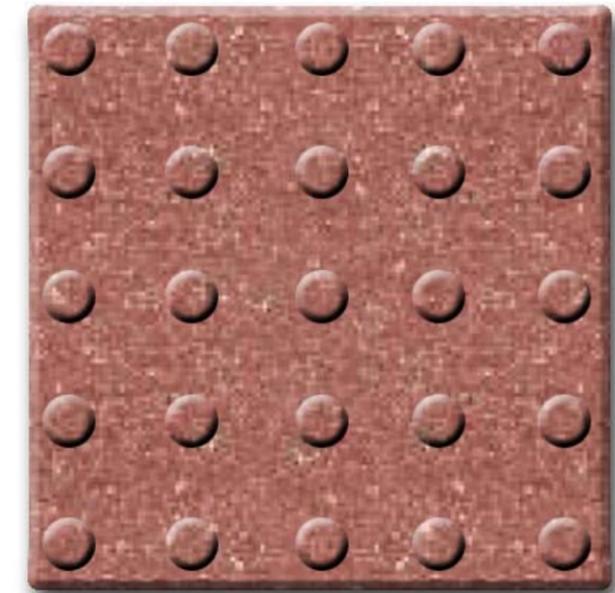
Paver C

Hanover Architectural Concrete Pavers

Detectable Warning Surface

Size: 12" x 12"

Color: Red 15





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Paving :: Scored Concrete w/ Continuity Strip
September 2004 **3.06**



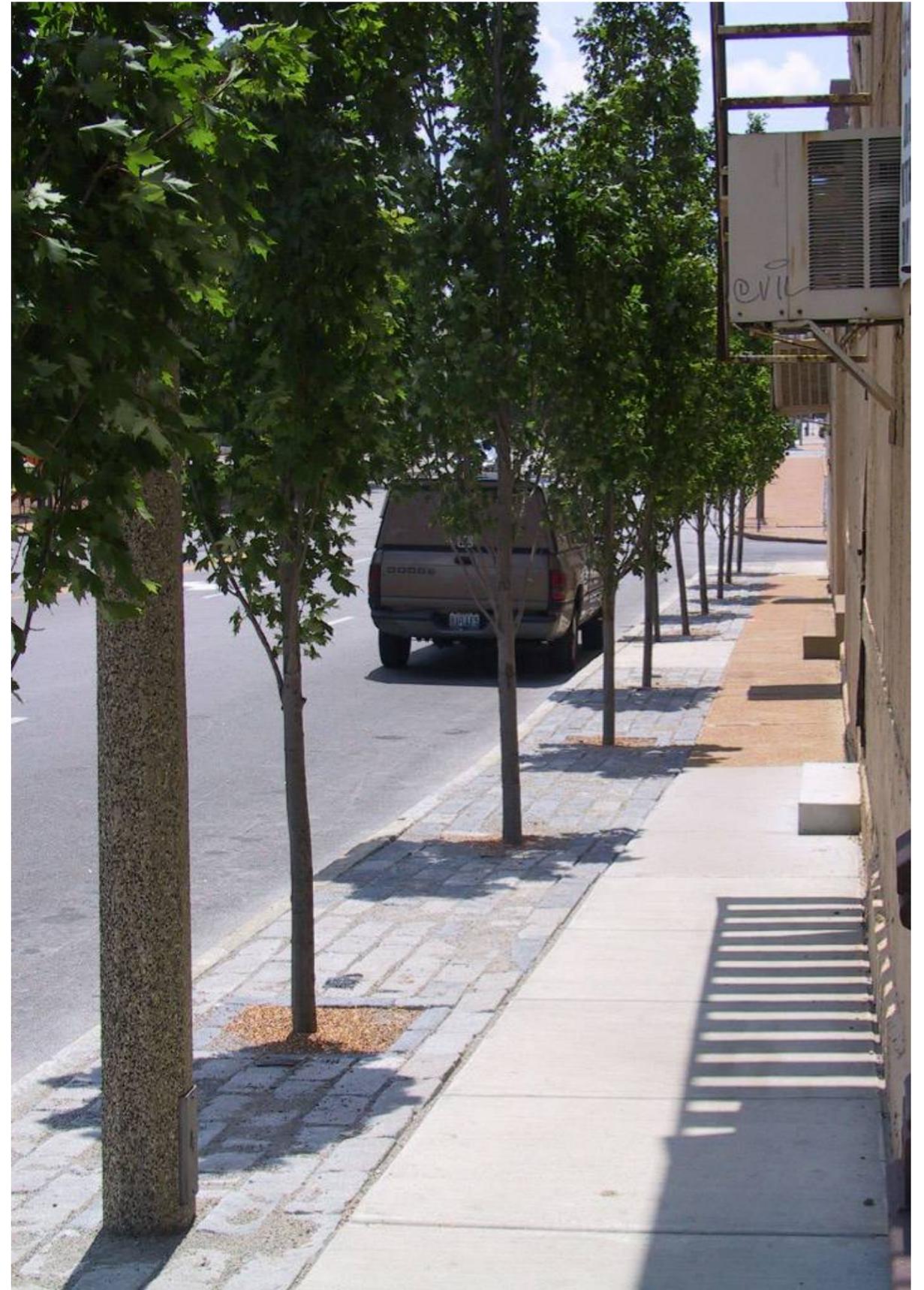
St. Louis CBD Downtown Streetscape :: Enhanced Schematic Design

Downtown Now! :: Downtown St. Louis Partnership :: St. Louis Development Corporation :: theHOKPlanningGroup :: HOK Lighting Group :: Kiku Obata & Company :: David Mason & Associates :: EDM, Inc.

Paving :: Scored Concrete :: Architectural Pattern

September 2004

3.07



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Paving :: Carriage Walk
3.08



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September 2004

Paving :: Carriage Walk
3.09



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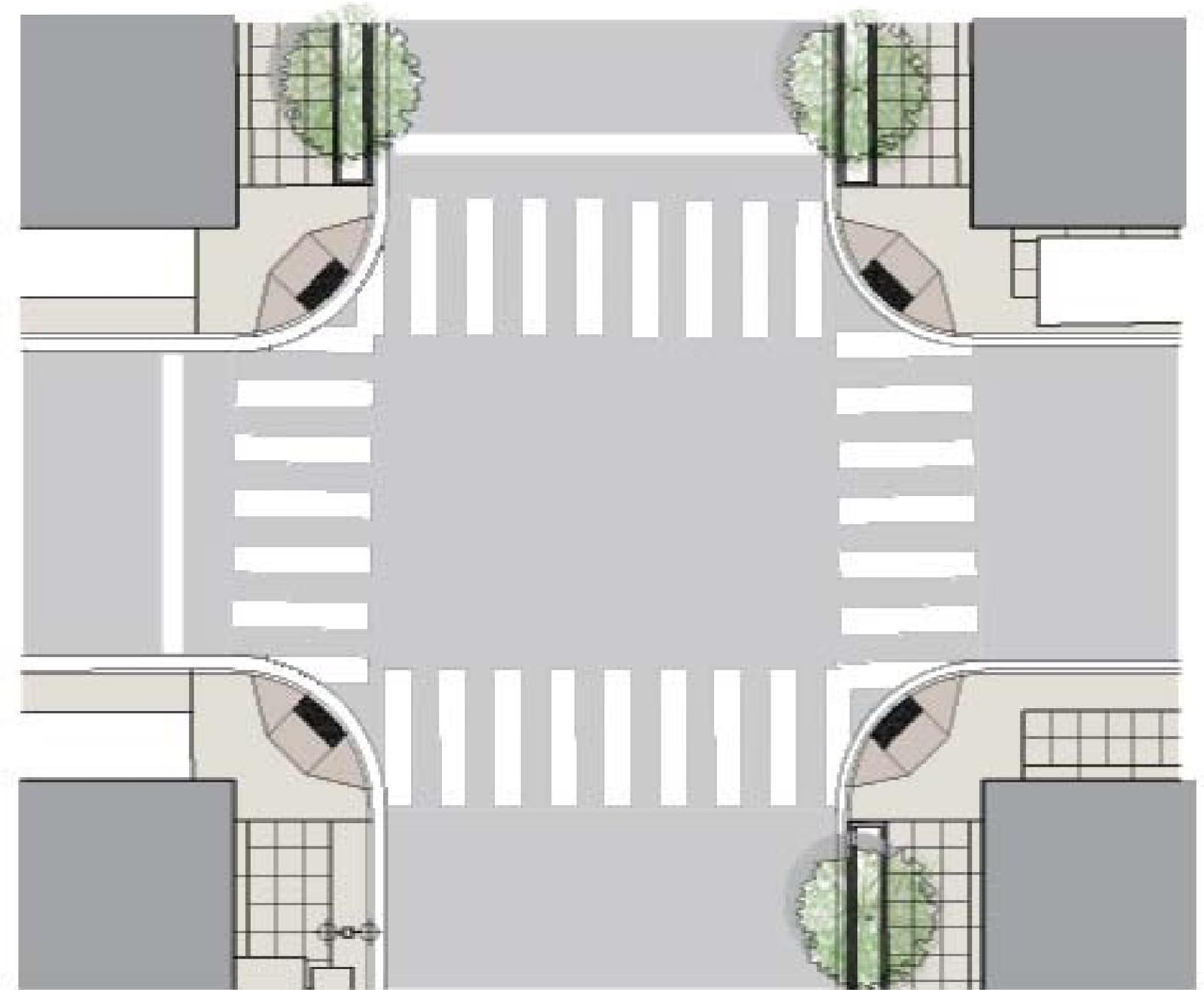
September 2004

Paving :: Carriage Walk
3.10



Bold Bar Striping

Cost: \$7,800



Preparation:
Milling

Painted Striping
Painted Stop Bars



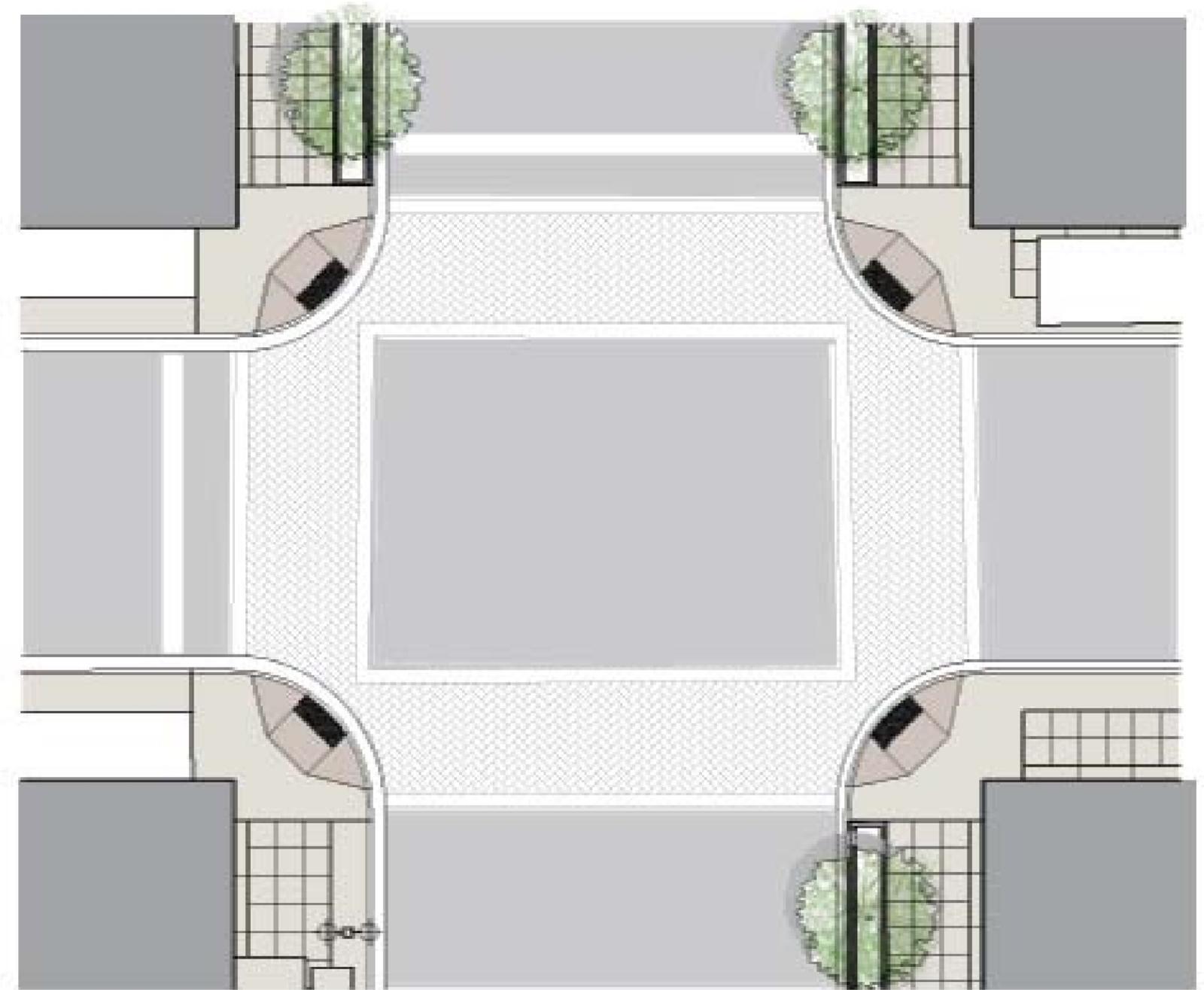
Concrete Pavers

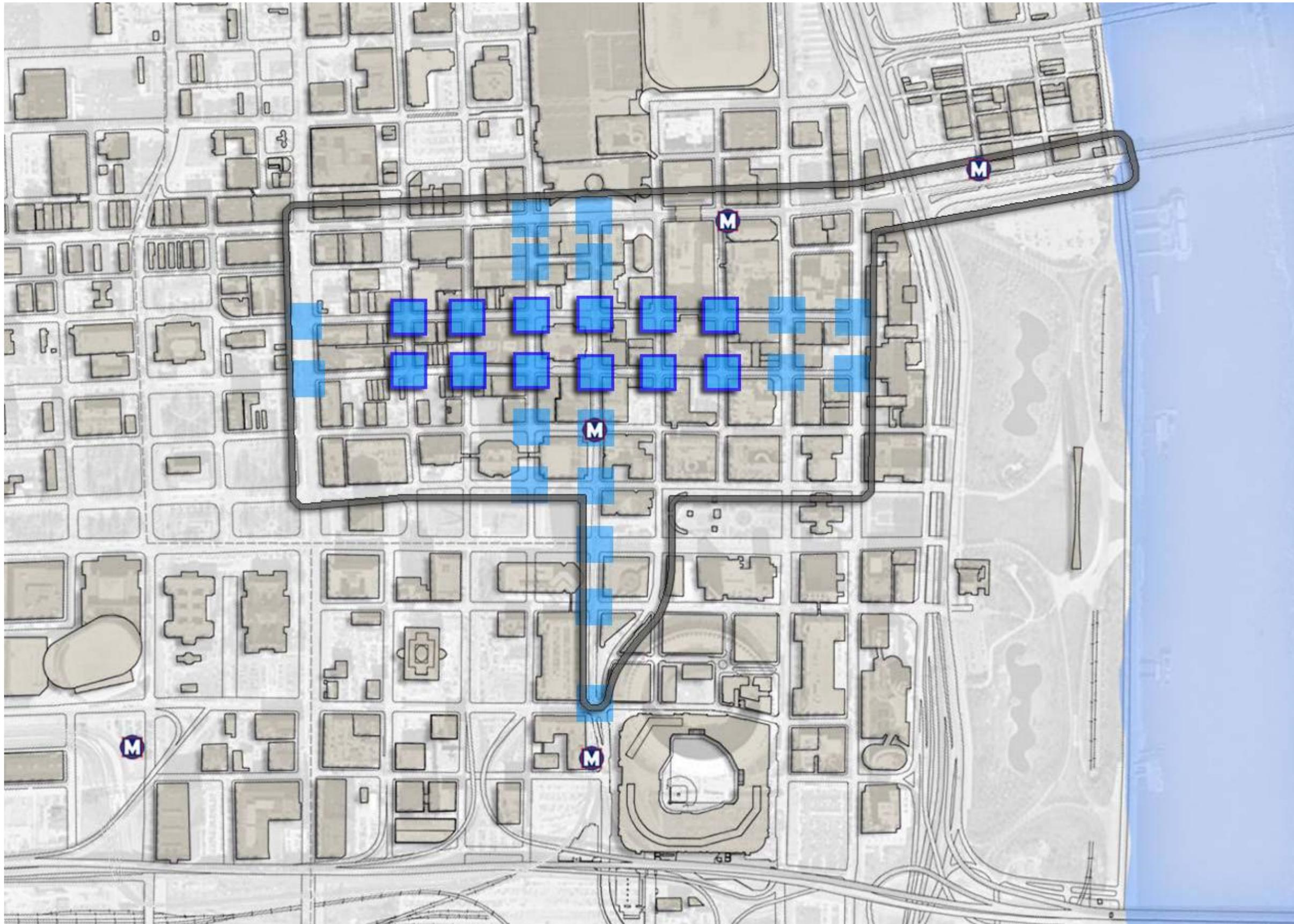
Cost: \$42,000

Preparation:

- Excavation
- Sawcut Pavement
- Overdig and Patchwork

- Concrete Pavers
- Concrete Bands
- Concrete Stop Bars





- Priority 1**
- Priority 2**

St. Louis CBD Downtown Streetscape :: Enhanced Schematic Design

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September 2004

Crosswalks :: Upgraded Areas
3.13