DOWNTOWN FOR EVERYONE

A REIMAGINED DOWNTOWN BLOOMINGTON EXPERIENCE

STREETSCAPE PROGRAM REPORT
VOLUME 2

Adopted April 8th, 2024

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Design Standards

The Downtown for Everyone Streetscape Program recommends substantial improvements to the street rights-of-way throughout the project area. Streets and sidewalks are recommended for redesign to improve walkability and simplify pedestrian and vehicular circulation. On-street parking will be redesigned to improve its usability and increase safety. Sidewalks will be replaced with concrete and brick pavement to provide accessibility and space for outdoor dining and retail. Lighting and site furnishings will also be incorporated in the streetscape design for comfort and convenience. These improvements are recommended over a series of construction projects to produce a far more efficient and attractive urban center.

This Design Standards document was developed in conjunction with the Downtown for Everyone "Streetscape Program Report". That Report provides broader context for the improvements specified in this document, including approximate locations and uses of these improvements. Users of this document are encouraged to review the "Streetscape Program Report" before construction of any of these improvements.

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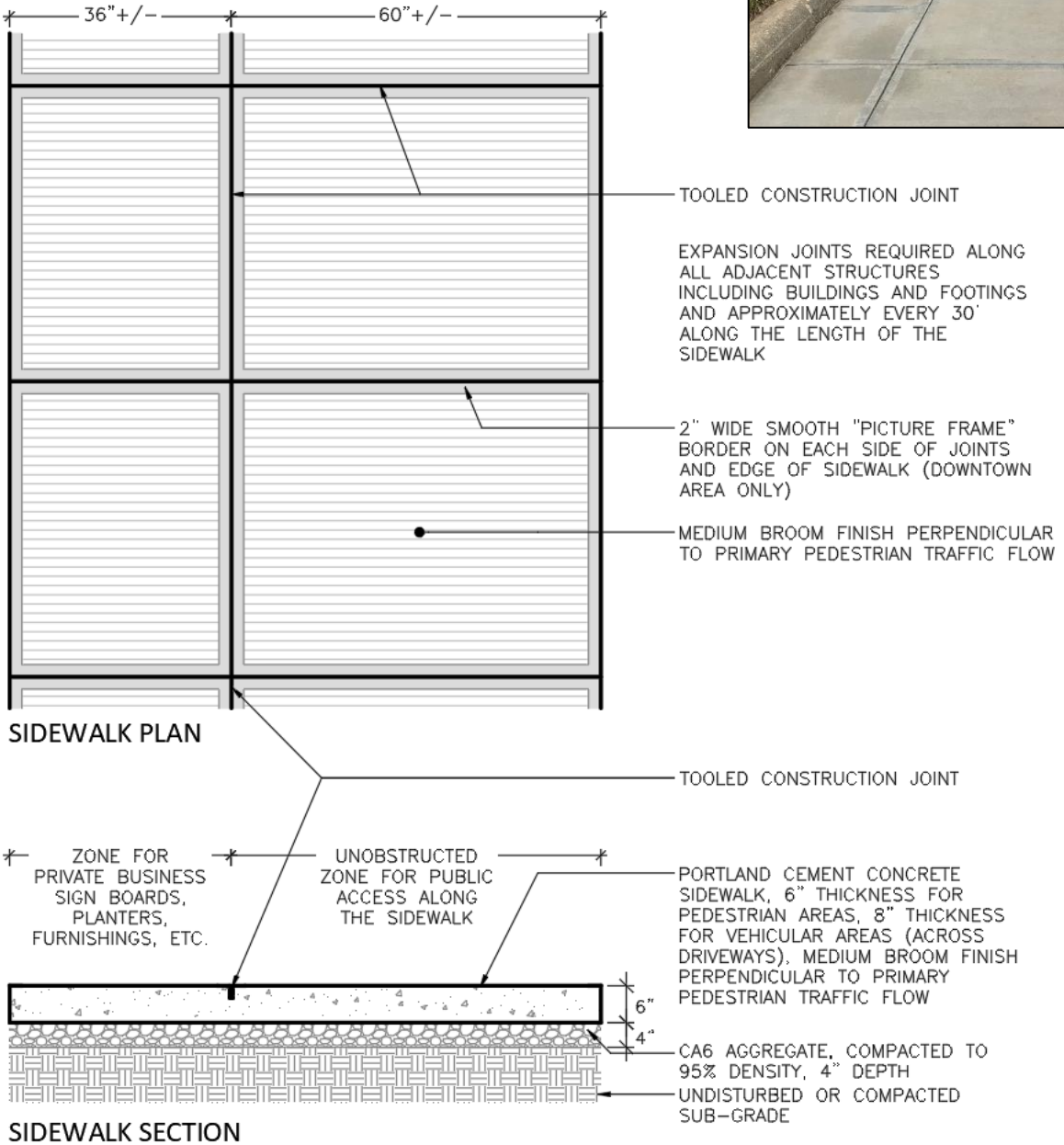
CONCRETE SIDEWALK



SIDEWALK PLAN

SIDEWALK SECTION

Description: Concrete pavement with tooled joints, 6" thick (pedestrian areas), 8" thick (across driveways) Portland Cement, Section 1001 of the IDOT Standard Specifications

BRICK PAVERS – RED BLEND

Actual Paver Color

4”x8”x2-3/4” Clay Brick Paver
Admiral Full Range Red Blend
Amenity strip, pedestrian areas
Running bond pattern

Running Bond Pattern Example

Size	Jumbo Paver
Avg. Comp. (PSI)	25,860
Avg. 24 Hr. Cold Water Absor.	0.50
Avg. 5 Hr. Boil Absor.	0.60
Avg. Saturation Coeff.	0.72

Description: Clay brick paver with chamfered edges and spacer lugs, 4”x8”x2-3/4”, Red blend
City Line Series Pavers by Belden Brick Company, www.beldenbrick.com

BRICK PAVERS – BLACK BORDER

Actual Paver Color

4”x8”x2-3/4” Clay Brick Paver
Carbon Black Color
16” wide border along back of curb
Running bond pattern

Running Bond Pattern Example

Size	Jumbo Paver
Avg. Comp. (PSI)	19,950
Avg. 24 Hr. Cold Water Absor.	1.90
Avg. 5 Hr. Boil Absor.	2.10
Avg. Saturation Coeff.	0.92

Black border adjacent to the curb →

Description: Clay brick paver with chamfered edges and spacer lugs, 4”x8”x2-3/4”, Carbon black color
City Line Series Pavers by Belden Brick Company, www.beldenbrick.com

PERMEABLE BRICK PAVERS – PARKING AREAS

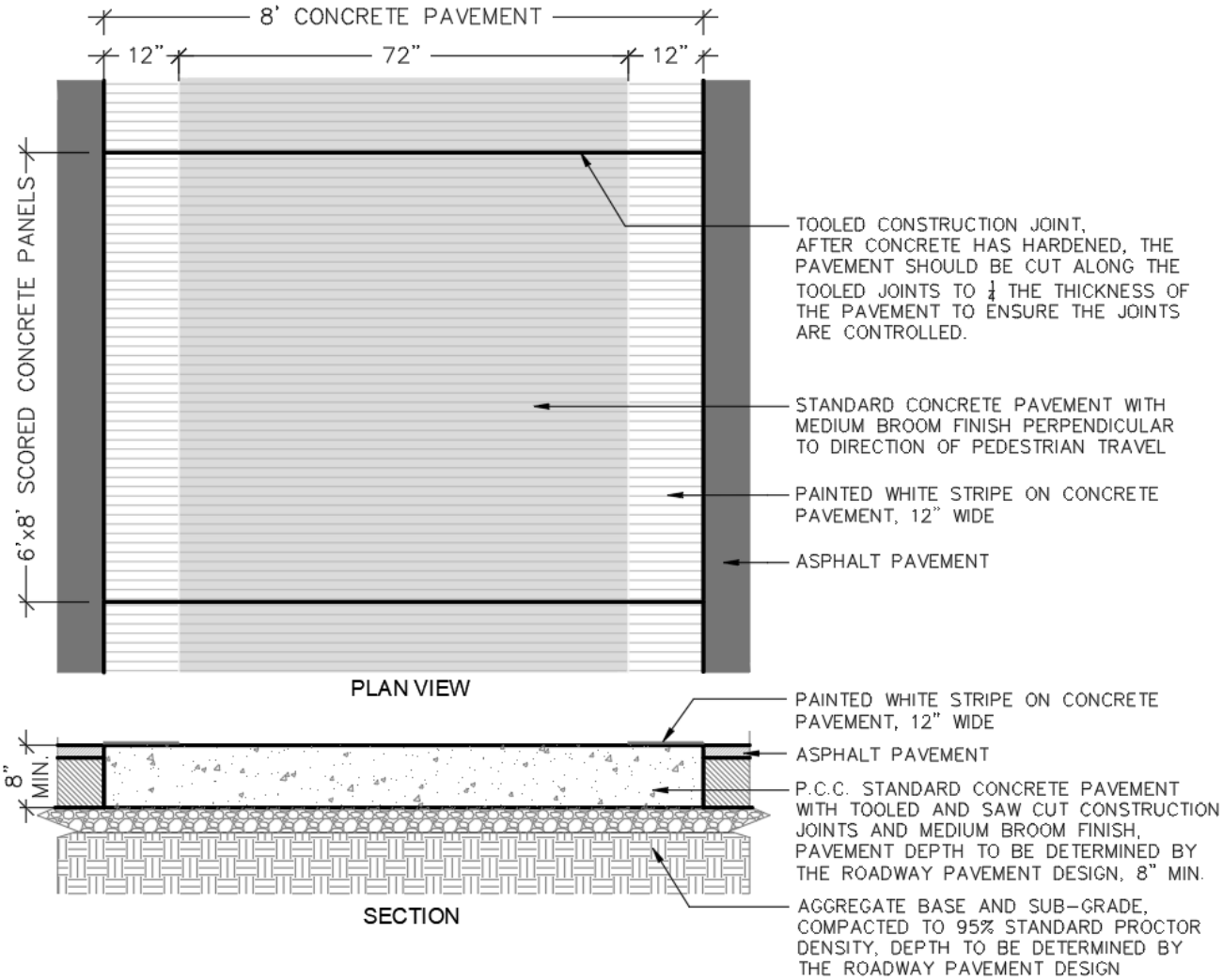
4”x8”x2-3/4” Clay Brick Paver
Ivory Bay Color
Parking Areas
Herringbone pattern

Size	Jumbo Paver
Avg. Comp. (PSI)	20,830
Avg. 24 Hr. Cold Water Absor.	2.01
Avg. 5 Hr. Boil Absor.	2.90
Avg. Saturation Coeff.	0.69

Description: Clay brick permeable paver with chamfered edges and spacer lugs, 4”x8”x2-3/4”, Ivory Bay color Permeable Series Pavers by Belden Brick Company, www.beldenbrick.com

CROSSWALK SURFACE – MAIN AND CENTER STREETS

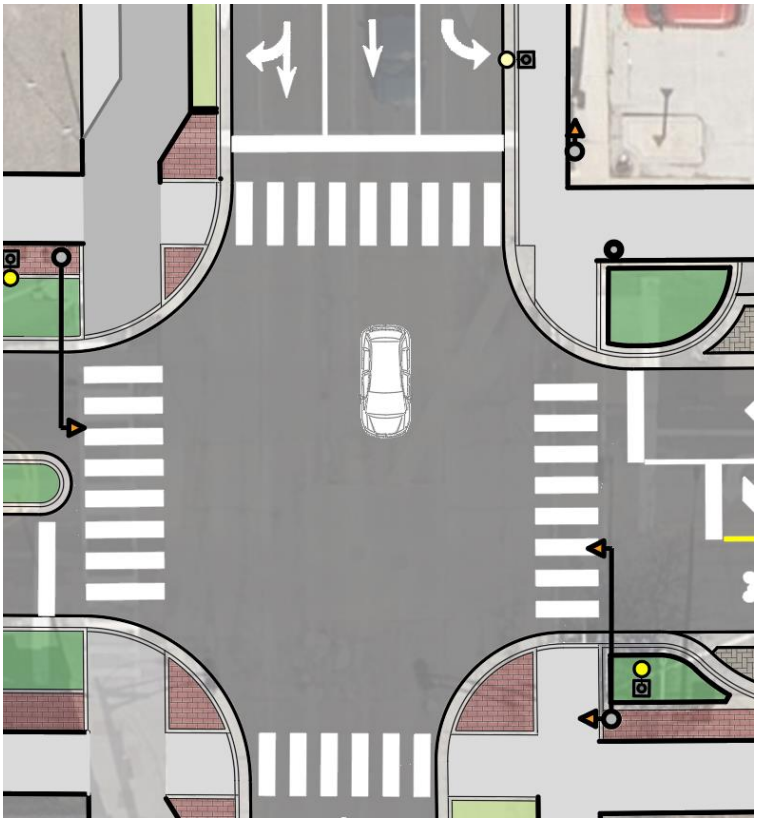
Concrete crosswalk pavement (8’ wide) with painted white stripes (12” wide) on each side of the concrete surface to delineate the crosswalk and meet safety standards



Description: Concrete pavement with tooled joints (8” thick) with painted white stripes (12” wide) Portland Cement, Section 1001 of the IDOT Standard Specifications

CROSSWALK SURFACE – SIDE STREETS AND US 51B

Bold, 24” wide thermoplastic or painted crosswalk stripes



Description: Thermoplastic or painted pavement markings, 24” wide
According to Section 780 – Pavement Striping of the IDOT Standard Specifications

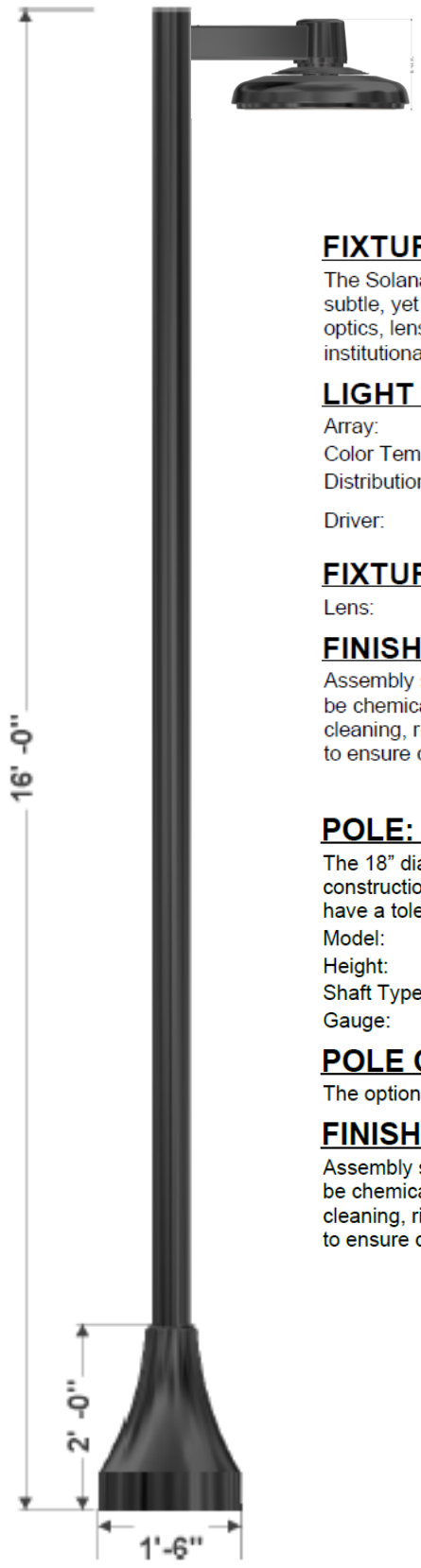
REFURBISHED LIGHTS – SINGLE GLOBE

Description: Remove existing light assembly and reinstall around the interior of the Courthouse Square

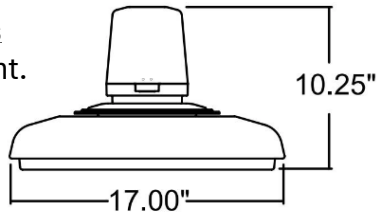
REFURBISHED LIGHTS – FIVE (5) GLOBE

Description: Remove existing light assembly, remove decorative scroll ornamentation and reinforce arm, re-lamp with color changing LED lights, provide lighting controls, and reinstall at street intersections along Main and Center Streets.

PEDESTRIAN LIGHT ASSEMBLY



Pedestrian Light Fixtures
17” dia x 15’-6” mounting ht.



FIXTURE: SL730

The Solana® Arm Mount Luminaire’s stylish design is a perfect accent for urban settings. The subtle, yet sophisticated look enhances the impact of any project. The Solana’s wide array of optics, lenses and distributions makes this an easy choice for a variety of commercial institutional and municipal projects.

LIGHT SOURCE: -24L40T3-MDL014

Array:	24 LEDS, 89W for MD_014 (24L)
Color Temp:	4000K (40)
Distribution:	Type 3 (T3)
Driver:	Multi-Volt Dimmable Low-Range Driver - 120-277V, 140mA (MDL014)

FIXTURE OPTIONS: -SV2

Lens:	Flat Soft Vue Moderate Diffused Acrylic (SV2)

FINISH: /BK

Assembly shall be powder coated to Black Smooth finish. Prior to coating, the assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance.

POLE: 9116P5-.250

The 18” diameter cast 356 aluminum alloy base and aluminum shaft shall be a one-piece construction. The pole shall be U.L. or E.T.L. listed in U.S. and Canada. All pole heights to have a tolerance of ± 2"

Model:	9100 Lancaster (91)
Height:	16 Ft (16)
Shaft Type:	Smooth Straight 5 Inch, 6061-T6 Aluminum Alloy (P5)
Gauge:	0.250" (.250)

POLE CAP: PCC

The option tops the pole with a flat cap.

FINISH: BK

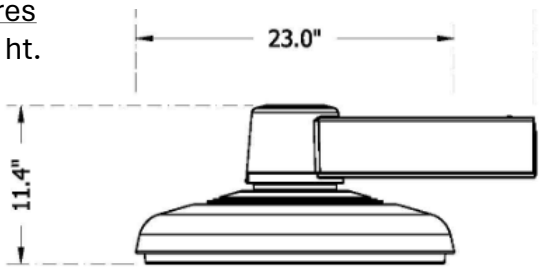
Assembly shall be powder coated to Black Smooth finish. Prior to coating, the assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance.

Pole Base

Description: Light pole assembly with 16’ high decorative pole and base and simple circular, disc style fixture Lancaster pole with Solara arm mount fixture by Sternberg Lighting, www.sternberglighting.com

STREET LIGHT ASSEMBLY

Street/Area Light Fixtures
23" dia. x 27' mounting ht.



ARM NUMBER OF ARMS: 1

Number of Arms: One Arm (1)

ARM FIXTURE: SL730

The Solana® Arm Mount Luminaire's stylish design is a perfect accent for urban settings. The subtle, yet sophisticated look enhances the impact of any project. The Solana's wide array of optics, lenses and distributions makes this an easy choice for a variety of commercial institutional and municipal projects.

ARM FIXTURE OPTIONS: -24L30T3-MDL014-SV2-RP56

Array:	24 LEDS, 89W for MD_014 (24L)
Color Temp:	3000K (30)
Distribution:	Type 3 (T3)
Driver:	Multi-Volt Dimmable Low-Range Driver - 120-277V, 140mA (MDL014)
Lens:	Flat Soft Vue Moderate Diffused Acrylic (SV2)
Round Pole Adapter:	5" to 6" Pole (RP56)

POLE: 550P5-28.250

The 12" diameter cast 356 aluminum alloy base and aluminum shaft shall be a one-piece construction. For fixtures using remote ballasts or drivers, the servicing of these components requires pulling the pole. The pole shall be U.L. or E.T.L. listed in U.S. and Canada. All pole heights to have a tolerance of ± 2"

Model:	550 Concord (550)
Shaft Type:	Smooth Straight 5 Inch, 6061-T6 Aluminum Alloy (P5) (P5-)
Height:	28 Ft (28)
Gauge:	0.250" (.250)

POLE CAP: PCC

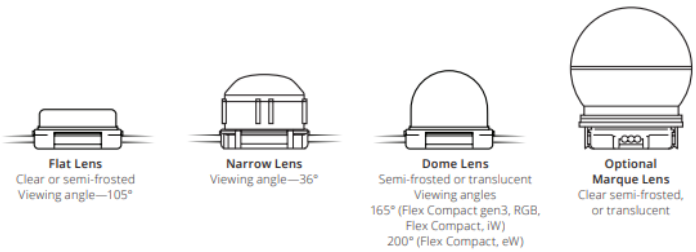
The option tops the Urban pole with a flat cap.

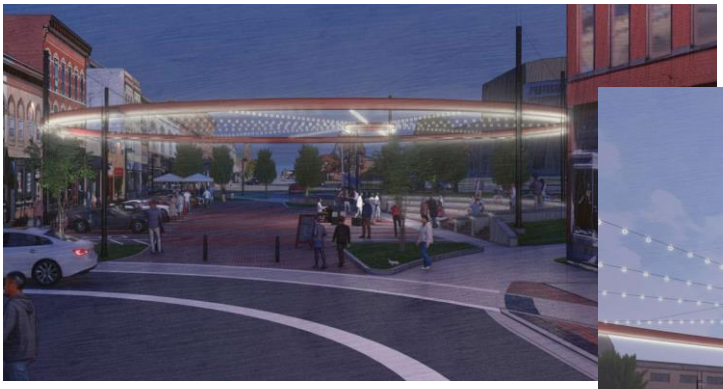
FINISH: /BK

Assembly shall be powder coated to Black Smooth finish. Prior to coating, the assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance.

Description: Light pole assembly with 28' high pole and simple circular, disc style fixture
Concord pole with Solara arm mount fixture by Sternberg Lighting, www.sternberglighting.com

SPECIALTY LIGHTING





Linear lights (light ring), festoon lights, flood lights (architectural lighting), spot lights (flag, sculpture, stage)

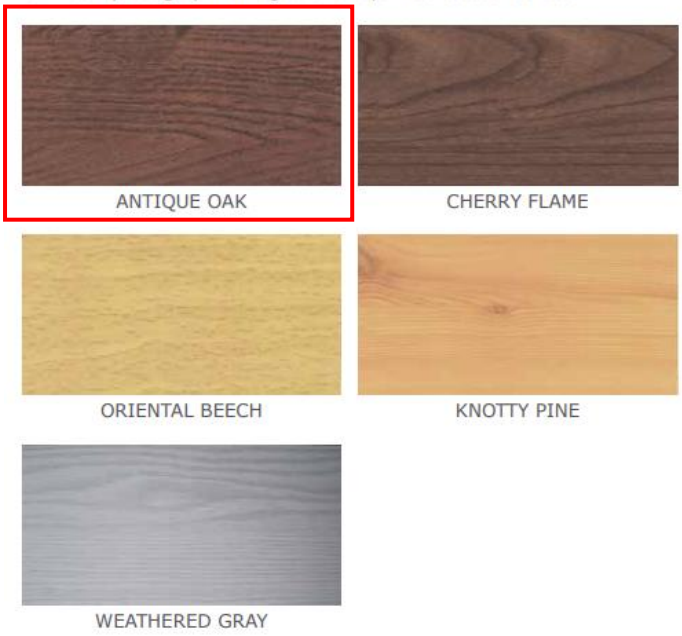
Description: Various fixtures such as festoon, flood, spot, and linear lights will require different manufacturers. Color Kinetics is recommended for festoon (string) lights, www.colorkinetics.com while Bega, www.bega-us.com or Lumenpulse, www.lumenpulse.com are recommended for spot and flood lights.

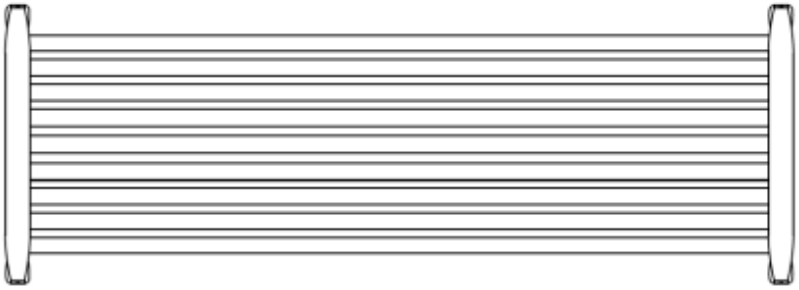
BENCH - BACKLESS

Black frame with Antique Oak seat slats

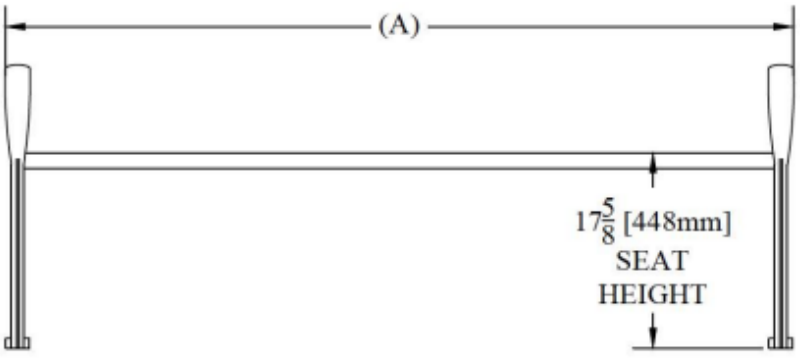
WOOD GRAIN OPTIONS

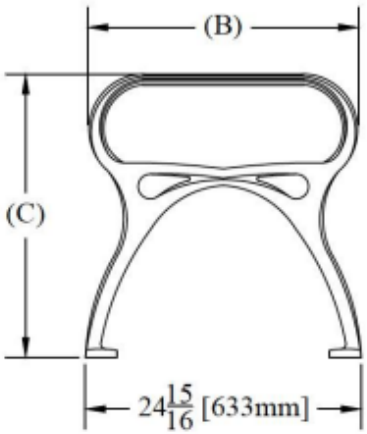
Showcase durable, realistic and natural wood-grain patterns with a proprietary process that creates a wood finish on metal by fusing high-definition photographic images on the powder coated surface.





	SC14 4ft	SC16 6ft	SC18 8ft
LENGTH (A)	47 1/4"	71 1/4"	93 1/4"
WIDTH (B)	24 15/16"	24 15/16"	24 15/16"
HEIGHT (C)	25 9/16"	25 9/16"	25 9/16"
SEAT HEIGHT	17 5/8"	17 5/8"	17 5/8"
WEIGHT	103 lbs.	133 lbs.	159 lbs.





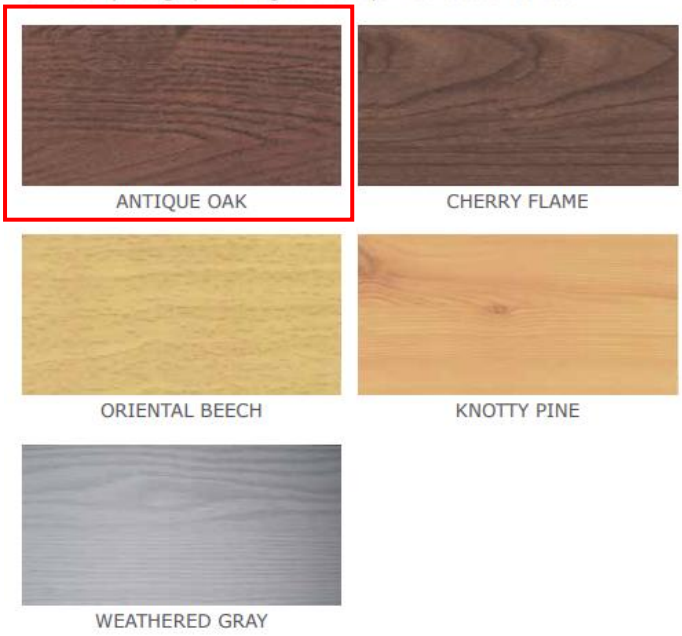
Description: 4’ long wood grain aluminum benches on Main and Center Street Corridors
Schenley Flat Bench by Keystone Ridge Designs, www.keystoneridgedesigns.com

BENCH WITH BACK

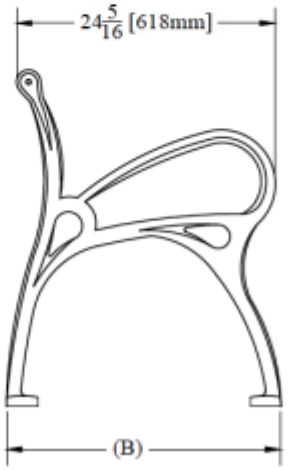
Black frame with Antique Oak seat slats

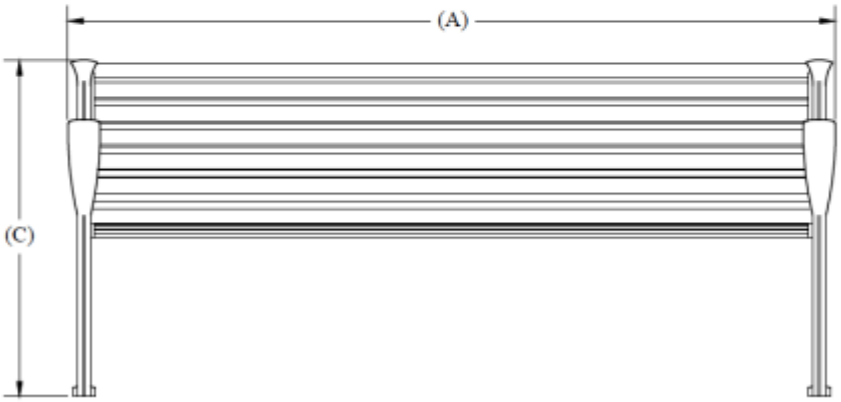
WOOD GRAIN OPTIONS

Showcase durable, realistic and natural wood-grain patterns with a proprietary process that creates a wood finish on metal by fusing high-definition photographic images on the powder coated surface.



	SC24 4ft	SC26 6ft	SC28 8ft
LENGTH (A)	48 7/8"	72"	94 7/8"
WIDTH (B)	25 3/4"	25 3/4"	25 3/4"
HEIGHT (C)	31 11/16"	31 11/16"	31 11/16"
SEAT HEIGHT	17 15/16"	17 15/16"	17 15/16"
WEIGHT	120 lbs.	155 lbs.	195 lbs.





Description: 4' wood grain aluminum benches in parks and open space
Schenley Bench with Back by Keystone Ridge Designs, www.keystoneridgedesigns.com

BENCH – REINSTALLED

4’ long bench

8’ long bench with center armrest

Description: Reuse existing black metal slat benches in locations not along Main and Center Street corridors.

BICYCLE RACKS

ORN-2-SF-P (black shown)




Download All Images

ORION CIRCULAR BIKE RACK

ORN-2-SF-P

CAPACITY *

2 Bikes

LEAN BAR OPTION *

No

TUBING OPTIONS *

Round

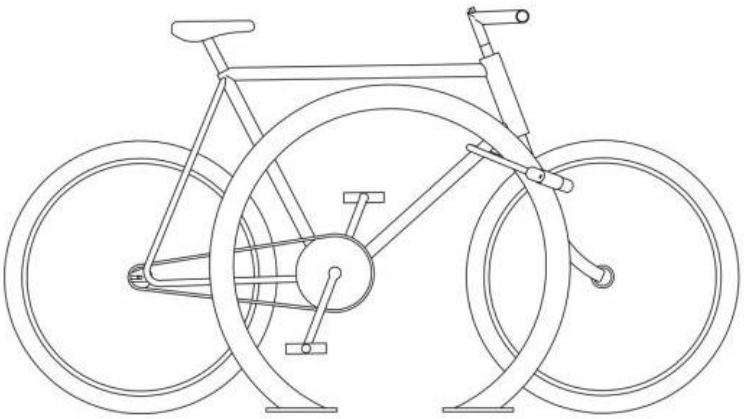
MOUNTING OPTIONS *

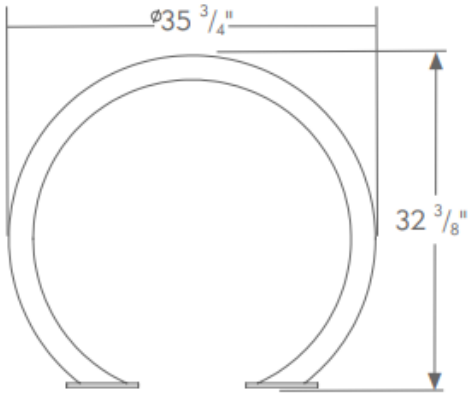
Surface Mounted +$70.00

FINISH OPTIONS *

Super TGIC Powder Coat

Available in 18 vibrant shades, super TGIC coated products will stain significantly less from UV light than other finishes. This finish has a 1-year warranty.





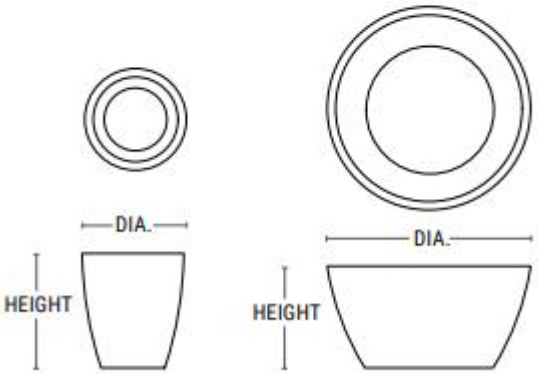
ORN - Round Tube

Description: Circular bicycle rack, 2-3/8” round tube, surface mount
Orion Circular Bike Rack by Madrax, www.madrax.com

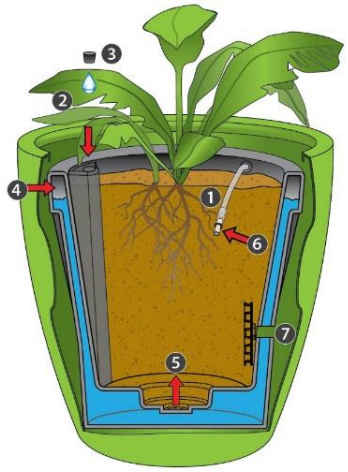
PLANTER – CIRCULAR

Downtown Collection FRP Round

- Lightweight FRP fiberglass planters; durable despite low weight
- Coordinates with our self-watering container irrigation products
- Round planter sizes from 18" to 72"
- Drain holes upon request



PRODUCT	SHAPE	DIA.	HEIGHT	WEIGHT (LBS.)	VOLUME (CUBIC FT.)	INTERIOR TOP	INTERIOR BOTTOM	IRRIGATION
DS-3624	Round	36" dia	24"	32	8	32" dia	17.5" dia	CWM-1714-2k
DS-4824	Round	48" dia	24"	46	16.5	44" dia	30" dia	CWM-2914-MS



Water Reservoir

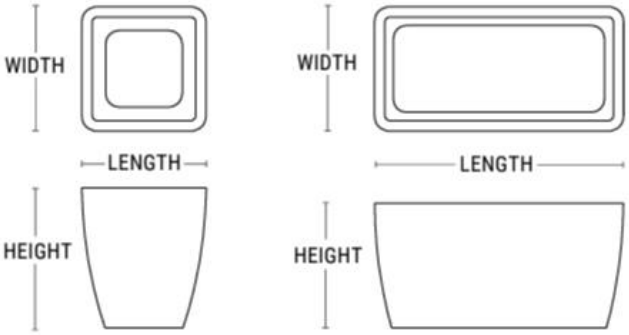
Shadow (charcoal) color with orange peel finish

Description: Round fiberglass planters with drain hole and water reservoir, 36” or 48” dia. x 24” ht. Downtown Collection FRP Round by Tournesol, www.tournesol.com

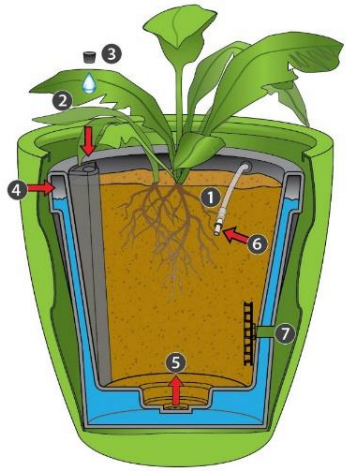
PLANTER – RECTANGULAR

Downtown Collection FRP Rectangle and Square

- Lightweight FRP fiberglass planters; durable despite low weight
- Coordinates with our self-watering container irrigation products
- Rectangular and square sizes from 24" to 60"
- Drain holes upon request



PRODUCT	SHAPE	LENGTH	WIDTH	HEIGHT	WEIGHT (LBS.)	VOLUME (CUBIC FT.)	INTERIOR TOP	INTERIOR BOTTOM	IRRIGATION
DR-602424	Rectangle	60"	24"	24"	55	15	56" x 20"	53" x 17"	CWM-R2020-2k

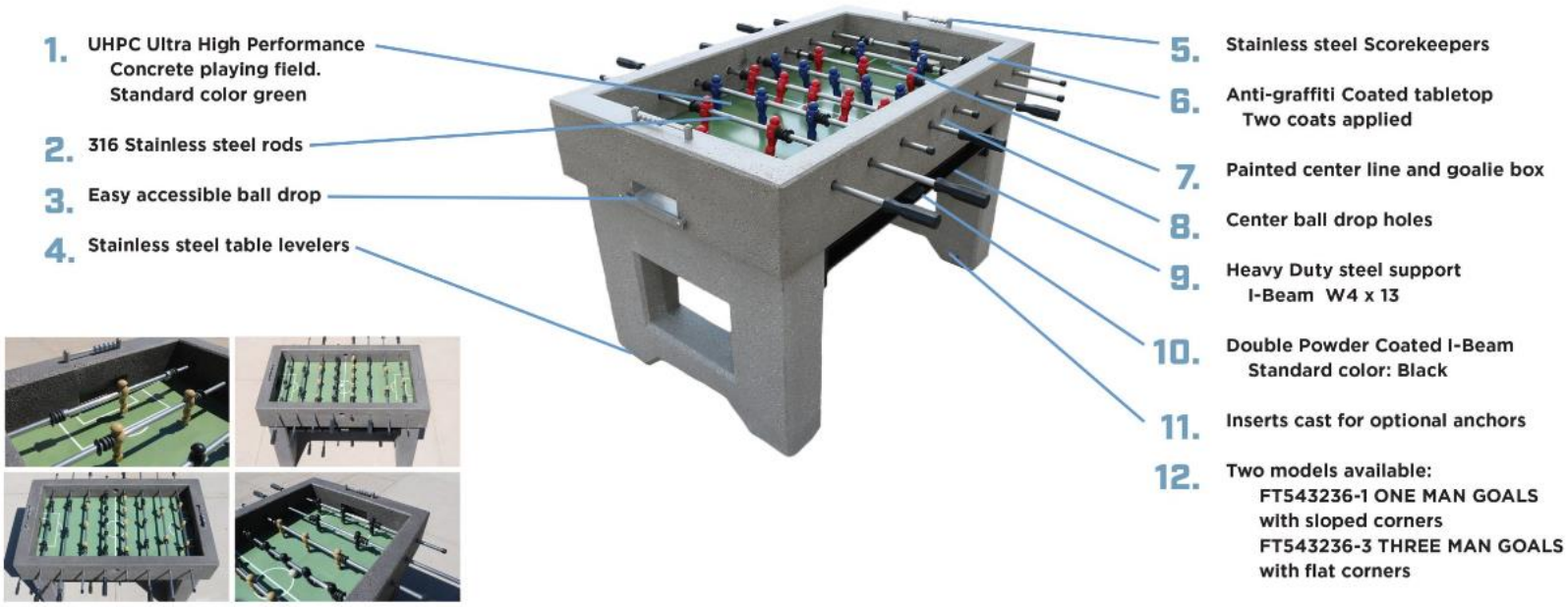


Water Reservoir

Shadow (charcoal) color with orange peel finish

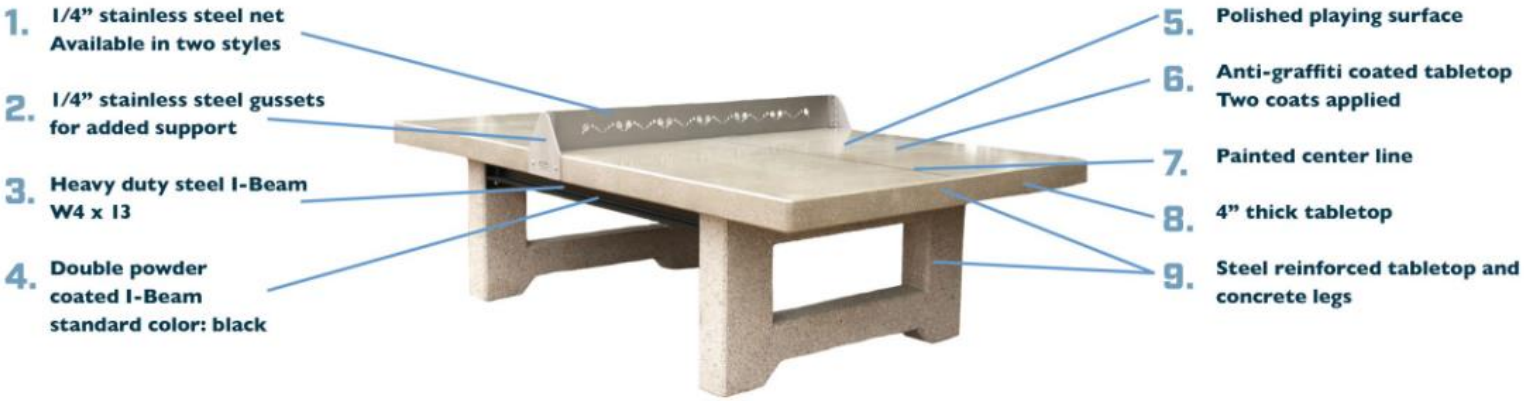
Description: Rectangular fiberglass planters with drain hole and water reservoir, 60”x24”x24” Downtown Collection FRP Rectangular by Tournesol, www.tournesol.com

FOOSBALL TABLE



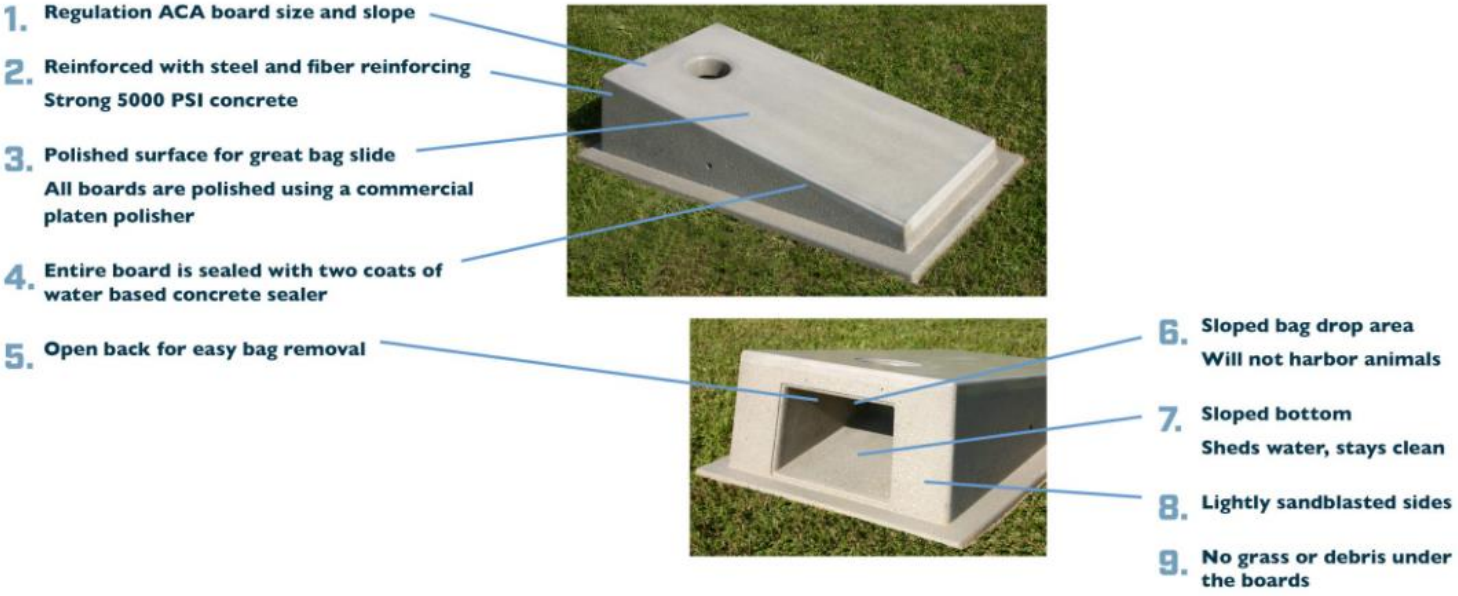
Description: Reinforced concrete foosball table with stainless steel accessories, 54.5”x32”x36”
Model FT543236 by Doty & Sons Concrete, www.dotyconcrete.com

PING PONG TABLE



Description: Reinforced concrete ping pong table with stainless steel net, 108"x60"x30" ht. with 4" thick top
Model TI086045 by Doty & Sons Concrete, www.dotyconcrete.com

CORNHOLE / BAGS TOSS



Description: Concrete bags board with polished top and sandblasted sides, 55”x34”, ACA regulation size/slope
Model BYOB5531 by Doty & Sons Concrete, www.dotyconcrete.com

CHECKERBOARD TABLE

Square Table with Optional Checkerboard (T6205)

Item #: T6205

Size: 68" square x 30 1/2" high

Weight: 935lbs.

Table Top: 40" square

T6205 table with SB7 finish, shown with optional checkerboard stencil.

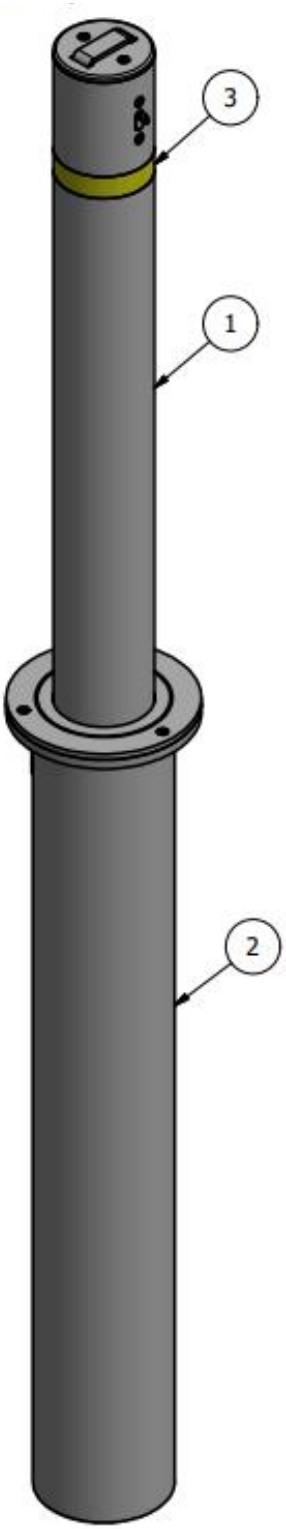
Checkerboard (T6060)
Backgammon (T6061)

STANDARD FINISHES AVAILABLE

Standard SB (Sandblast) Finishes

Description: Concrete table and seats with checkerboard insert
Model T6205 by Doty & Sons Concrete, www.dotyconcrete.com

BOLLARDS – RETRACTABLE



General Description:

The R-8471-RA Single Locking Retractable Bollard retracts fully below ground, closing flush to avoid obstruction and tripping hazards, and can only be locked in extended, upright position A single key-locking mechanism ensures quick and easy access to restricted areas. The clean and versatile design is highly visible and available with alternative mountings (see removable and fixed models) for consistent aesthetics that suit any modern building or landscape. High-quality 316 grade stainless steel is powder coated for exceptional resistance to corrosion and weathering. Choose from 6 standard coating options and 1 of 4 colored reflector stripes.

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

Specifications:

Height: 35 5/8"

Body Diameter: 4 1/2"

Weight: 24 lbs

Material: Stainless Steel 316

Finish: Polyester Powder Coated
See Reliance Foundry's standard color options at
www.reliance-foundry.com/bollard/colors-bollards

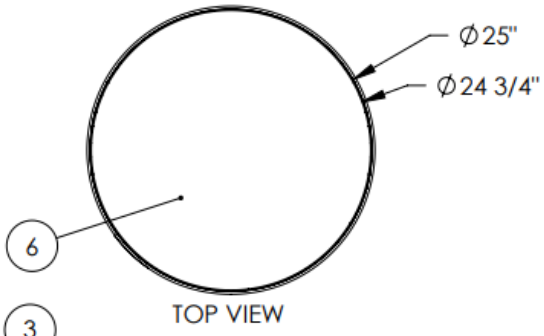
Reflective Tape Options:

- (•) Yellow
- ( ) White
- ( ) Red
- ( ) Blue
- ( ) None

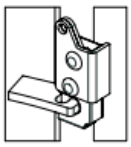
Description: Retractable bollard lockable in the raised position,
Model R-8471-RA by Reliance Foundry, www.reliance-foundry.com

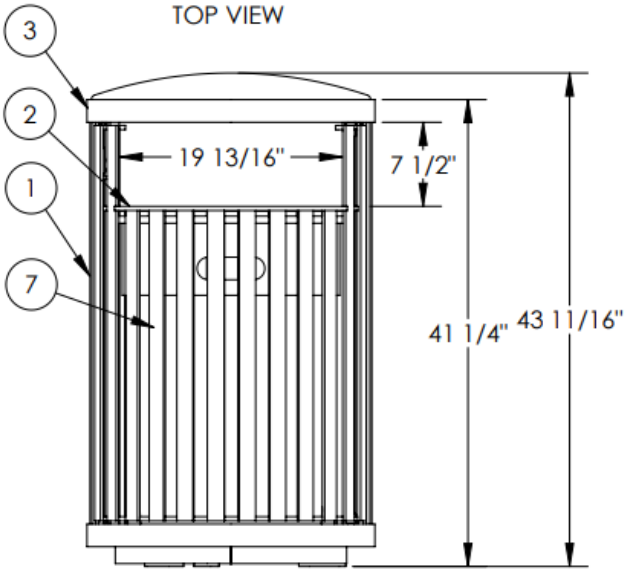
TRASH RECEPTACLE

*Available in powder coat and DuraCoat finishes

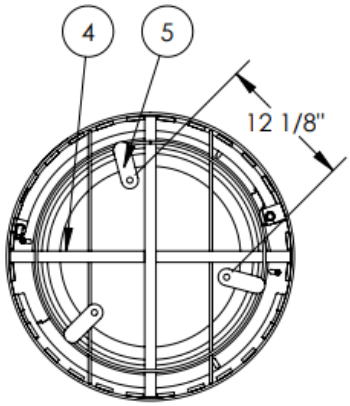


TOP VIEW

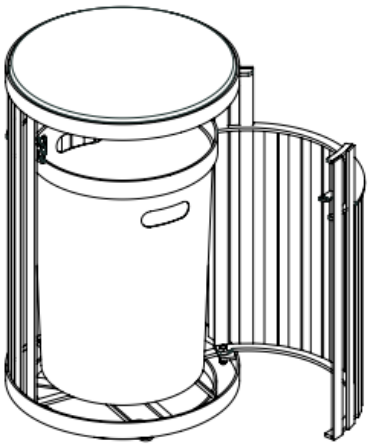

INSIDE LATCH DETAIL



FRONT VIEW



BOTTOM VIEW



Description: 36 gallon, side opening receptacle with side access door for convenient emptying
Newcastle Litter Receptacle by Sitescapes, www.sitescapesonline.com

TRASH CONTAINER

XL Size – Six (6) receptacle enclosure, 198.5”x39.5”x54”, Charcoal color

Material and Features

Enclosure cabinet: marine-grade bent aluminum, powder-coated in dark pewter.

Siding: recycled bamboo composite boards in charcoal or coffee.

Lock hasp: aluminum, compatible with padlocks.

Hardware: stainless steel hinges, screws, latches, and leveling feet.

Sectional top doors: secured with hydraulic, slow-closing arms.

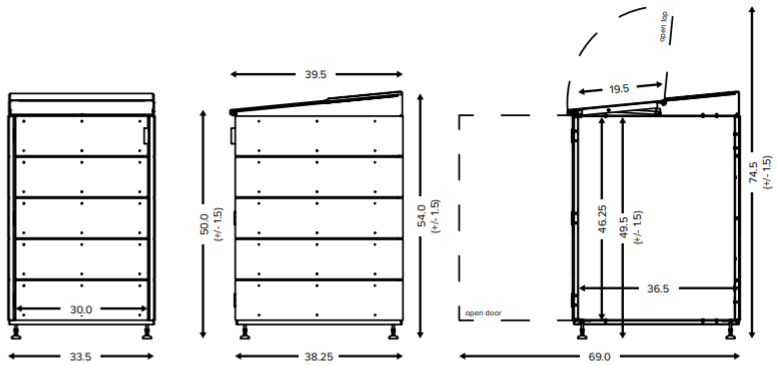
Front doors: aluminum handle opener. stainless steel latches.

Leveling feet: adjustable from 0.5-7 inches.

Warranty: 5 years.

Weight: 127 lbs. per module.

Measurements (inches)



#Modules	Width	Height	Depth	Colors	Options
1-module:	33.5”	Back 54” (+/-6.5”)	38.25” (69.0” with doors open)	Coffee	· Sectional top doors
2-module:	66.5”				
3-module:	99.5”				
4-module:	132.5”	Front 50” (+/-6.5”)			
5-module:	165.5”				
6-module:	198.5”			Charcoal	

Standardized for common can sizes

Description: 6-module trash receptacle enclosure with lockable top and front doors, charcoal color
6-module XL trash enclosure by Citbin, www.citibin.com

TRASH RECEPTACLE – REINSTALLED

Slat metal trash receptacle

Slat metal recycling receptacle

Description: Reuse existing slat metal trash/recycling receptacles in locations not along the Main and Center Street corridors where there are fewer trash generating businesses and residences.

DUMPSTER ENCLOSURES

VERTICAL PLANK WITH STANDARD STIFFENER INFILL SPECS

ENGLISH WALNUT

1-sided woodgrain surface panels,
1” thick composite LLDPE

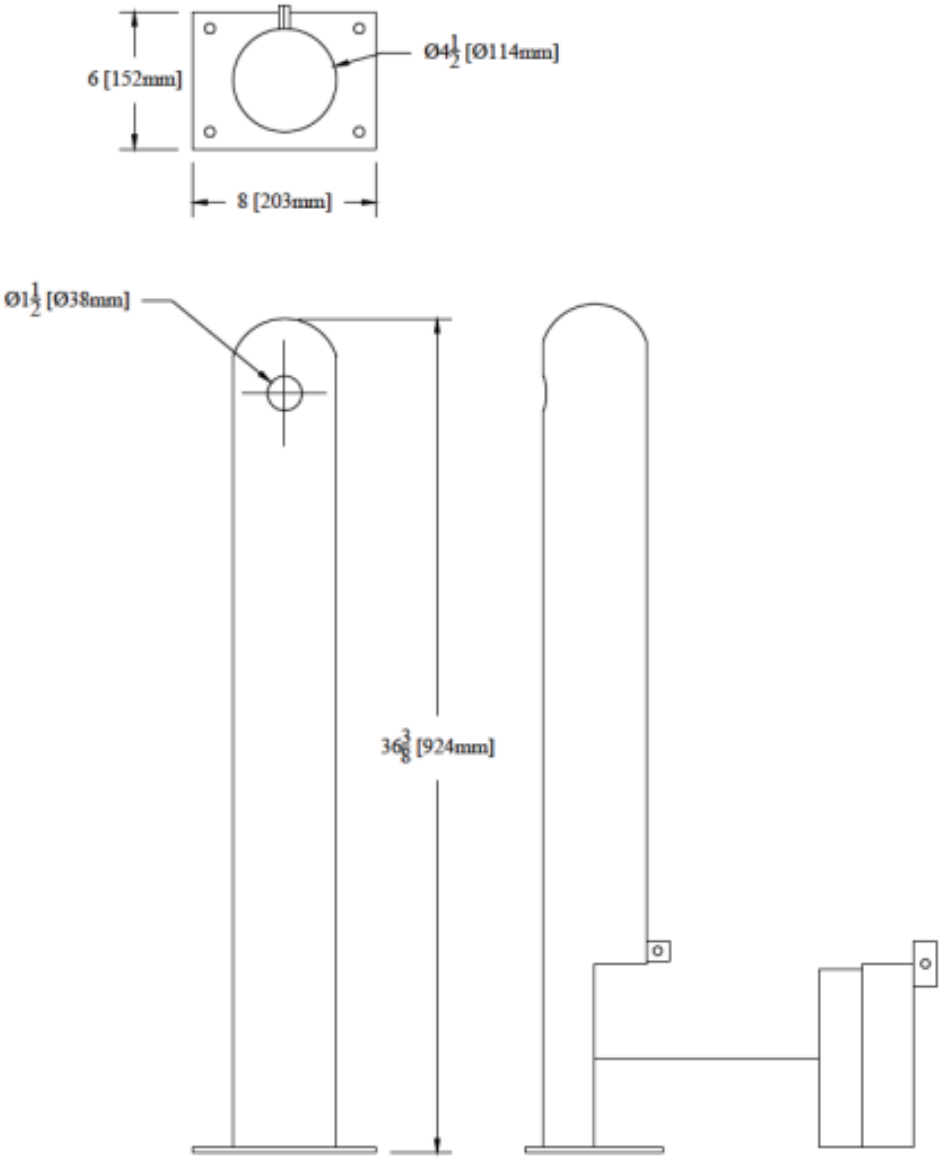
- **Engineered Wood Material:**
  - Woodgrain surface 2-sided planks are 1” thick 100% cellular PVC
  - Woodgrain surface 1-sided planks are 1” thick composite LLDPE
- **Metal Material:**
  - 1/2" Extruded Aluminum Stiffener
    Heights up to 14’

BLACK TEXTURED

Powder coat finish for frame and all metal components

Description: Modular Covrit Dumpster Enclosures for public parking lots and recommended for private lots. Covrit Dumpster Enclosure with vertical plank panels by CityScapes, www.citscapesinc.com

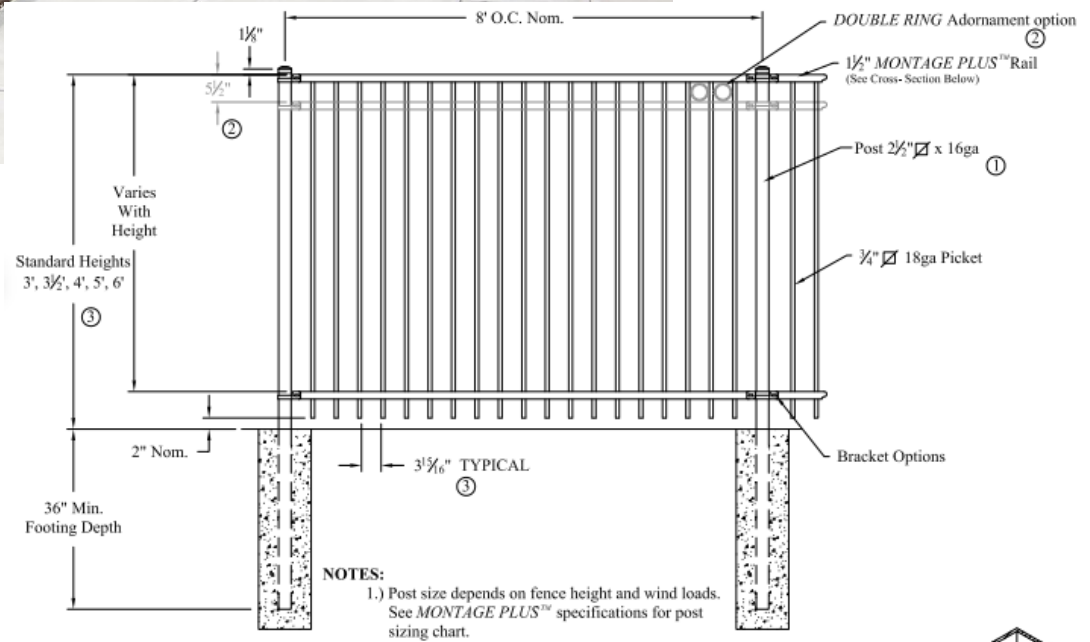
ASH RECEPTACLE

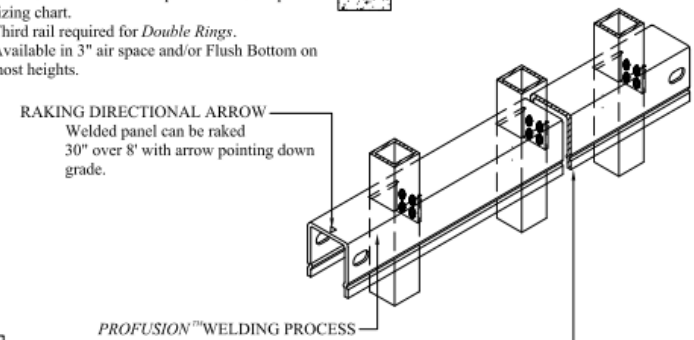


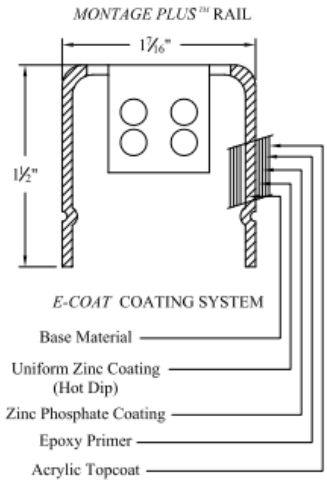
	PN5
HEIGHT	36 3/8"
OUTSIDE DIAMETER	4 1/2"
BASEPLATE WIDTH	6"
CONTAINER CAPACITY	1 quart
WEIGHT	40 lbs.

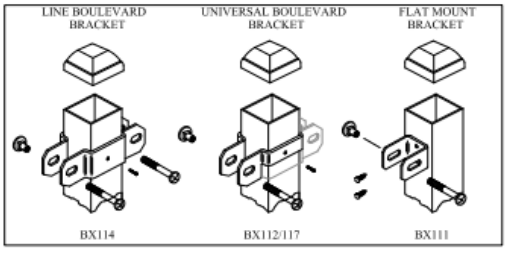
Description: Inconspicuous, sleek columnar form with convenient ash tray disposal
Penn Ash Tower by Keystone Ridge Designs, www.keystoneridgedesigns.com

ORNAMENTAL FENCE



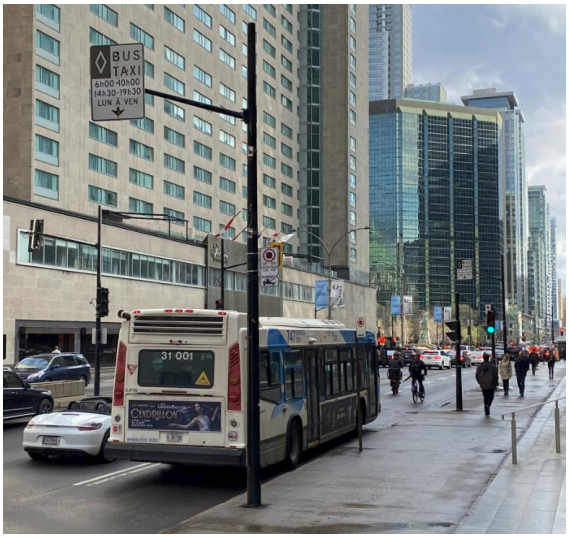






Description: Ornamental steel fence, 4’ height with 3 horizontal rails, Majestic style, black color Montage Plus by Ameristar, www.ameristarperimeter.com

BICYCLE / DELIVERY LANE SIGN



Example Image

Description: Steel pole with “Bicycle /Delivery Lane Only” sign attached to tubular steel frame
Signs to be according to Section 1091 – Sign Face, Sign Legend, and Supplemental Panels and Sign Posts to be according to Section 1093 – Sign Supports of the IDOT Standard Specifications

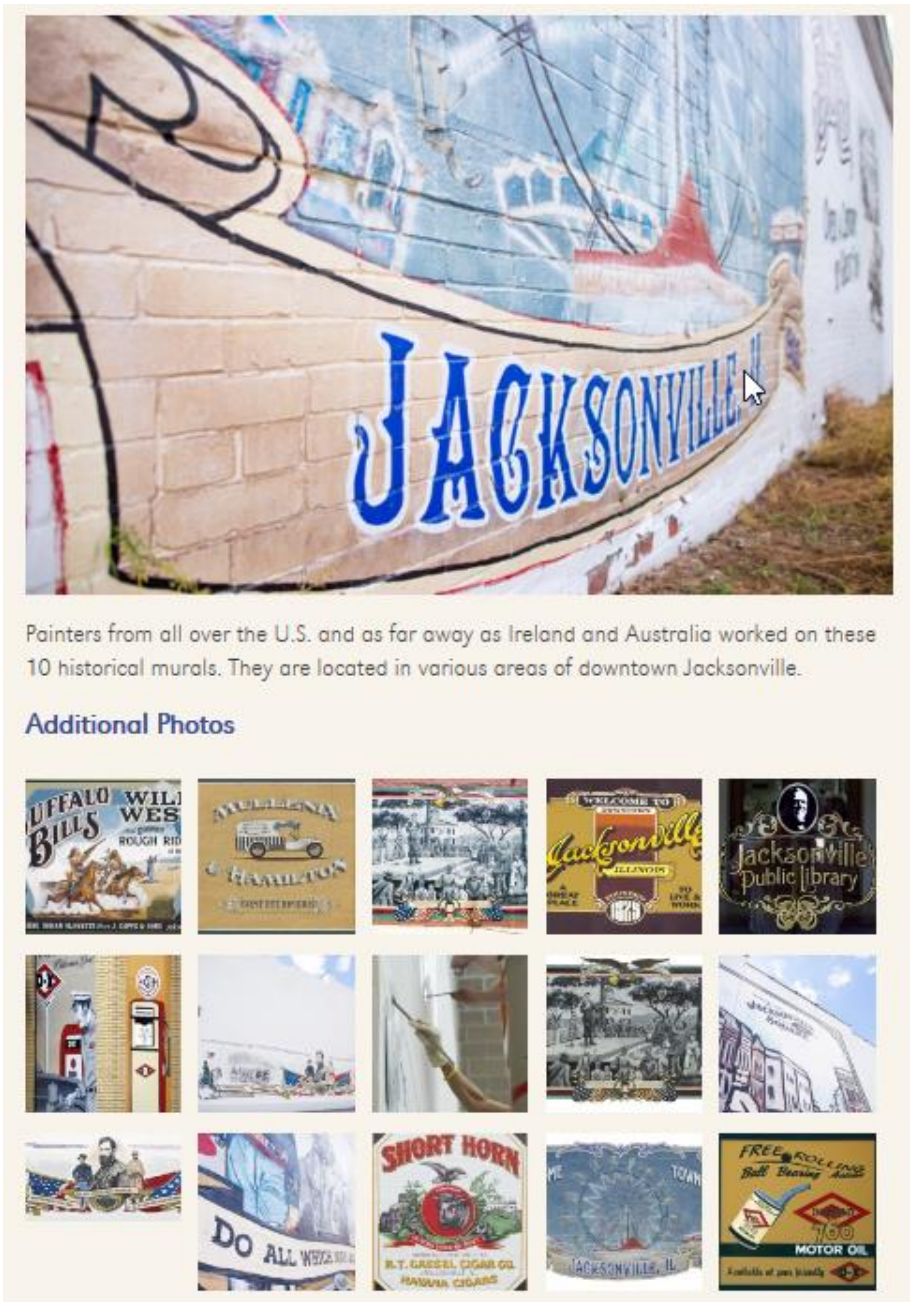
MISCELLANEOUS SIGNS - REINSTALLED

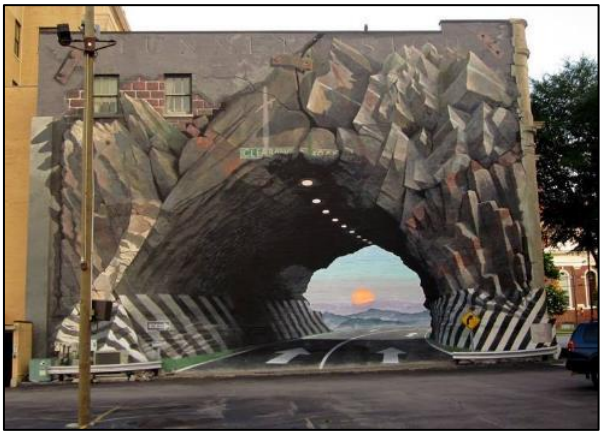
Description: Existing wayfinding signs to remain at current locations.
Existing Looking for Lincoln and Route 66 signs to be reinstalled at appropriate locations for viewing.

ACCOMMODATIONS FOR PUBLIC ART

Description: Spaces for public art are reserved near street intersections. Power supply, visibility, and accommodations for footings should be considered during the detailed design phase of the various projects.
See the Downtown for Everyone – Bloomington Streetscape Plan, Chapter 06 for more information.

ACCOMMODATIONS FOR BUILDING MURALS





Description: Opportunities for building murals should be explored with private property owners to encourage colorful artwork on blank building facades.
See the Downtown for Everyone – Bloomington Streetscape Plan, Chapter 06 for more information.

PARKLET GUIDELINES

The following pages establish basic guidelines for businesses wanting to create parklets at existing on-street parking locations. Parklet locations, materials, and sizes, must meet City standards.

LOCATION

- Do not locate within 15' of a fire hydrant
- Cannot replace an accessible parking space
- Do not locate within a fire lane
- Do not locate in a loading zone unless businesses on the entire block agree
- Cannot be positioned over a manhole or public utility valve
- Do not locate on state-maintained highways
- Do not locate on roadways with speed limits greater than 30 mph
- Sidewalks adjacent to the parklet must be clear of any obstructions for a minimum width of 60". If this unobstructed width cannot be maintained the parklet will not be permitted at this location
- Parklet structures can remain in place throughout the year if guidelines are met

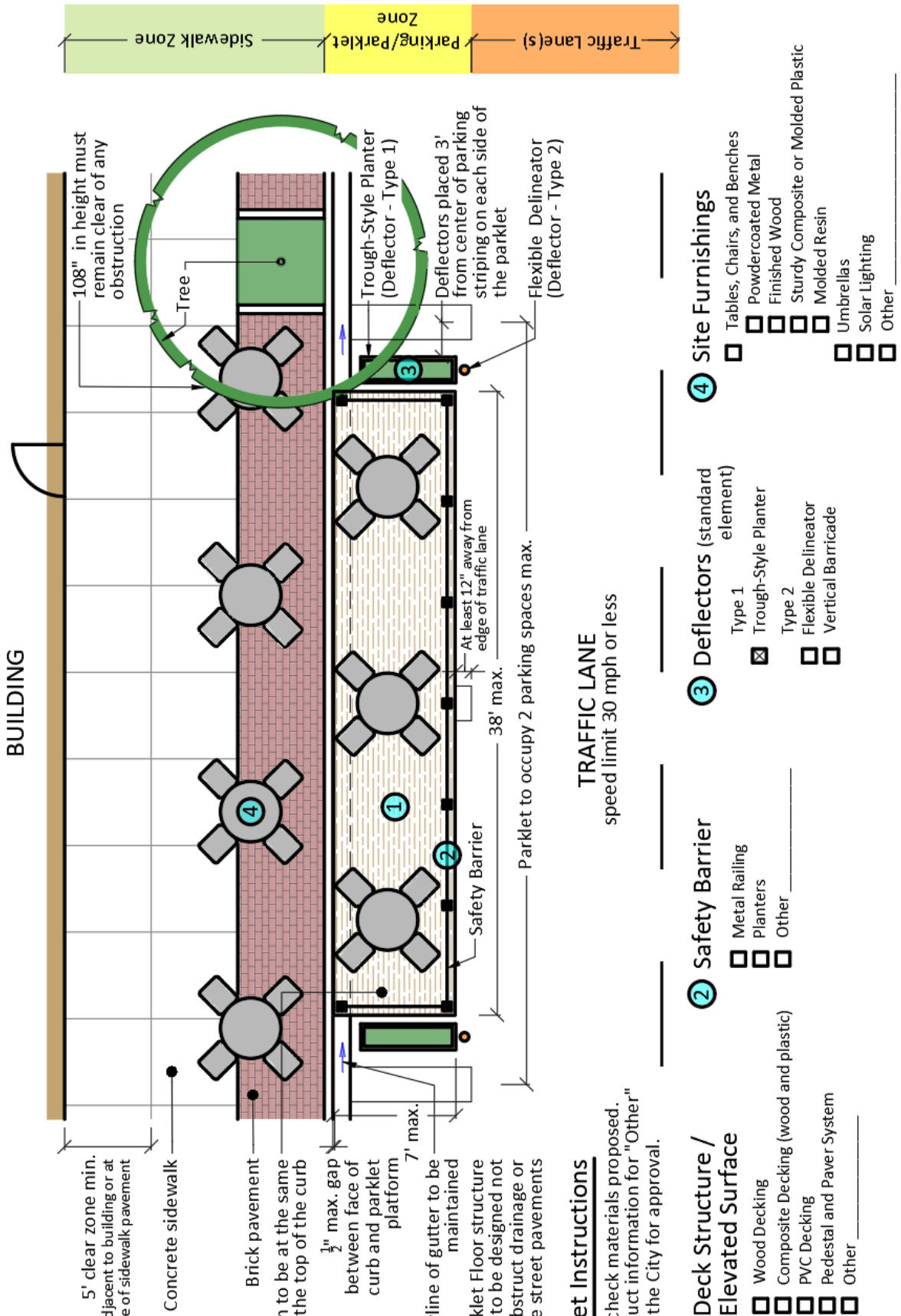
MATERIALS

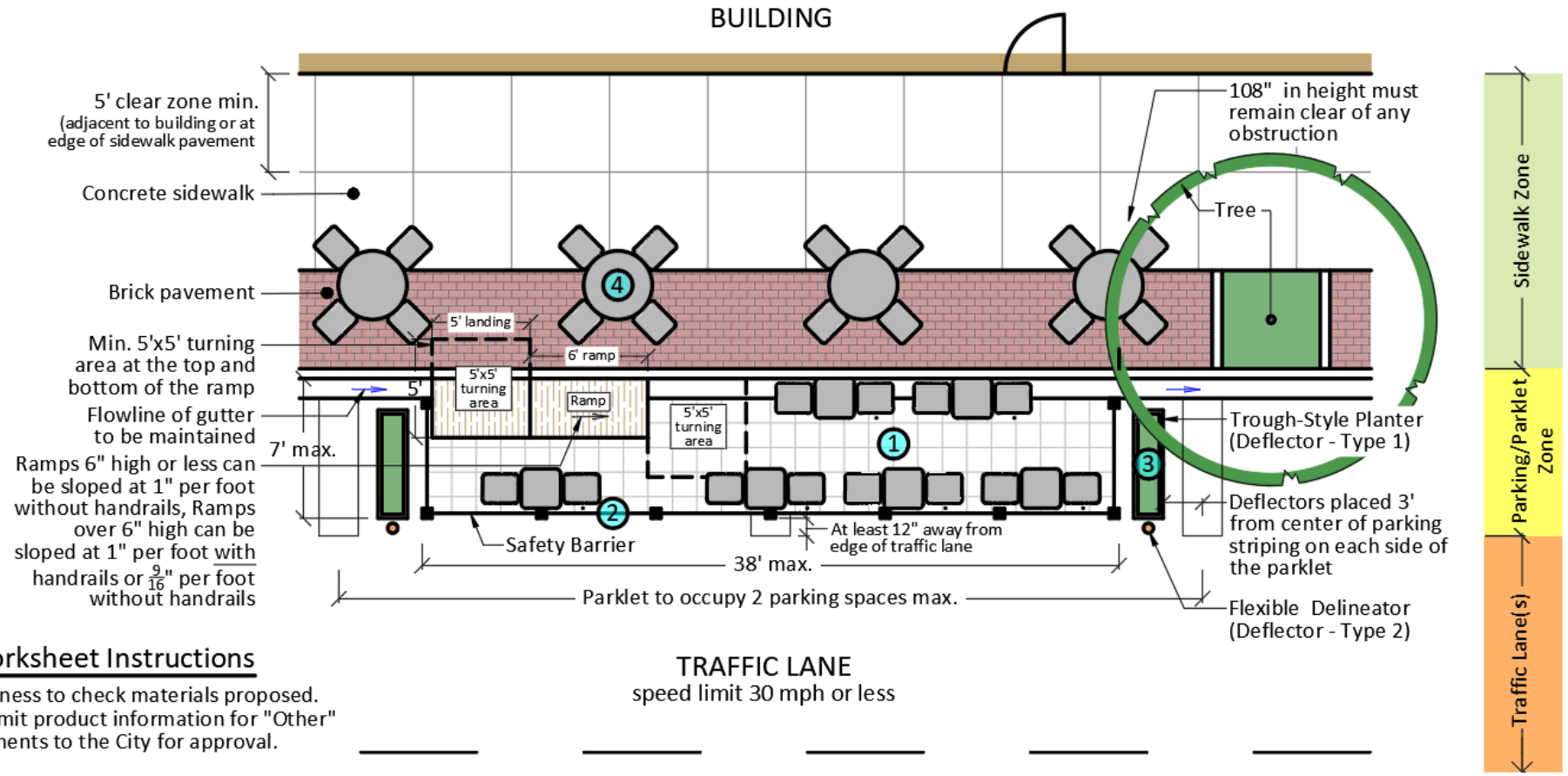
- Comprised of all-weather materials. Preferred materials are composite or wood decking.
- Parklet surface should be at the same height as the top of the street curb or provide an accessible ramp to access the parklet.
- Gaps greater than ½" between the parklet surface and face of the curb are not allowed due to ADA accessibility issues.
- The flowline of the curb should not be obstructed with supports of the parklet structure as curb line drainage must be maintained.
- Parklet surface (decking) must support a live load of 150 lbs./sq. ft.
- Safety barrier (railing) should be impact resistant

DIMENSIONS

- Maximum parklet dimensions should be 7'x38' (2 parking spaces) unless approval is provided by the City.
- Edge of parklet should be a minimum of 12" from the traffic lane.
- Type 1 deflectors (planters) should be placed 36" from parking striping on both sides of the parklet
- Type 2 deflectors (flexible delineators or vertical barricades) should be placed 12" from the parklet along the edge of the traffic lane
- A safety barrier is required at the edge of the parklet to protect people from walking into the traffic lane. The barrier should have a 42" minimum height from the top of the finished parklet surface and openings in the barrier should be less than 4".
- A minimum of 9'-0" in height must remain unobstructed at the parklets ingress/egress locations. Obstructions may include but are not limited to tree branches and foliage, signs, and/or the parklets site furnishings and features.
- All slopes of the parklet should meet IL Accessibility Standards

PARKLET LAYOUT WITH DECK STRUCTURE





Worksheet Instructions

Business to check materials proposed. Submit product information for "Other" elements to the City for approval.

① Street Surface

- ☐ Existing Road Surface
- ☐ Rubber Mats
- ☐ Outdoor Pavement Covering
- ☐ Other _____

② Safety Barrier

- ☐ Metal Railing
- ☐ Planters
- ☐ Other _____

③ Deflectors (standard element)

Type 1
- ☒ Trough-Style Planter

Type 2
- ☐ Flexible Delineator
- ☐ Vertical Barricade

④ Site Furnishings

- ☐ Tables, Chairs, and Benches
  - ☐ Powdercoated Metal
  - ☐ Finished Wood
  - ☐ Sturdy Composite or Molded Plastic
  - ☐ Molded Resin
- ☐ Umbrellas
- ☐ Solar Lighting
- ☐ Other _____

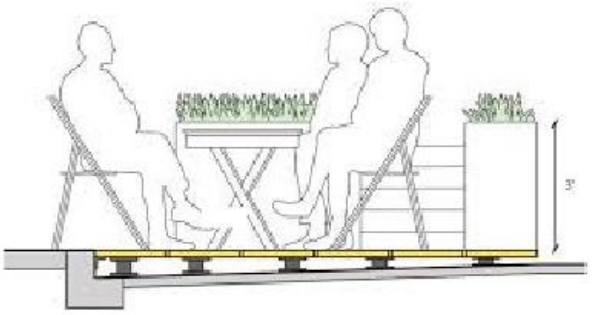
RECOMMENDED SURFACE MATERIALS

Requirements

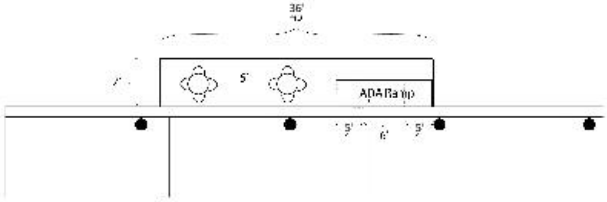
1. Structure shall be made of all-weather material.
2. Decking shall be able to handle a live load of 150 pounds per square foot.
3. All cross slopes of structure shall meet all Illinois Accessibility Codes. Cross slope of surfaces must not exceed 2% (less than $\frac{1}{4}$" vertical change for every 12" horizontal length)
4. Maximum parklet dimensions to be 7'x38' unless approval is provided by the City. In all cases there must be a 3' offset from the parking space pavement striping to the required deflectors.

Prohibited Materials

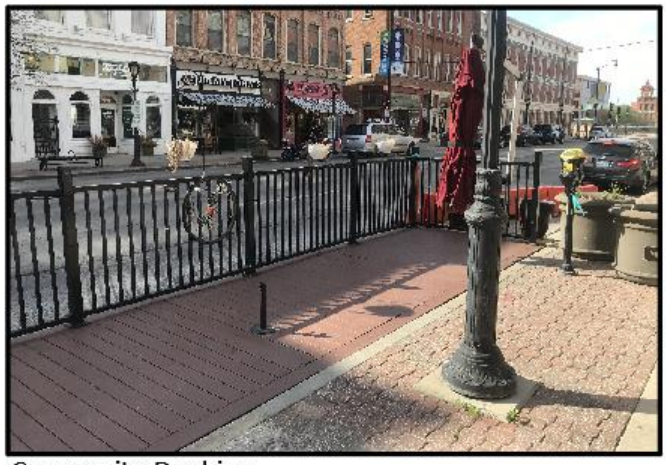
1. Wood pallets
2. Paint on any street or sidewalk surface
3. Carpet



Pedestal and Paver System



Ramp Diagram



Composite Decking

Wood Decking

Outdoor Pavement Covering

Description: Parklet flooring, railing, and other features can be custom fabricated or a modular design supplied by a company specializing in parklet structures such as ModStreet, www.modstreet.co

REQUIRED BARRIERS AND DEFLECTORS

Requirements

1. Deflectors, used to alert cars and protect parklet visitors, are a common design element throughout the Downtown. Two specific types should be used at each parklet location.

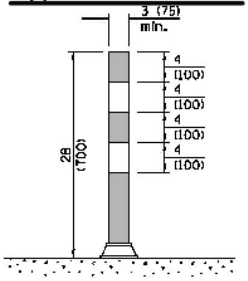
Type 1

a. Trough-style planters, 60" long x 24" wide x 24" high
b. Position 3' from the parking space stripe on each side of the parklet
c. Businesses requesting parklets are responsible for planter maintenance and plant installation. Planters and the plants they contain should be well-maintained and kept free of litter and debris.

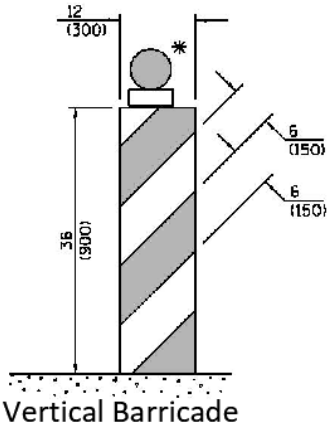
Type 2

a. Flexible delineators or vertical barricades meeting IDOT Detail 701901-03 (see below)
b. Align with Type 1 deflector, 8' from face of curb

Type 2 Deflectors



Flexible Delineator



Vertical Barricade

Type 1 Deflector


Trough Style Planters

Type 2 Deflector

Description: Barriers and deflectors should be the consistent element at each parklet location. The planters are to be rectangular fiberglass planters with drain hole and water reservoir, 60”x24”x24”, Downtown Collection FRP Rectangular manufactured by Tournesol, www.tournesol.com

RECOMMENDED SAFETY BARRIER

Requirements

1. Safety Barrier shall be impact resistant
2. Barrier shall be a minimum of 42" high from the top of the finished surface of the parklet.
3. Openings in railings and/or other barrier materials shall be no greater than 4" wide
4. Barriers to be secured in place or heavy enough so they cannot blow into the traffic lane(s).

   Examples:

   a. Planters to be a minimum of 100 lbs. when filled
   b. Railing sections to be secured to each other and anchored to a stationary object(s). Barriers cannot be secured directly to the street pavement.

Prohibited Materials

1. Snow fence
2. Traffic cones
3. Folding traffic barricades
4. Chain link fence
5. Chain rails
6. Unfinished wood

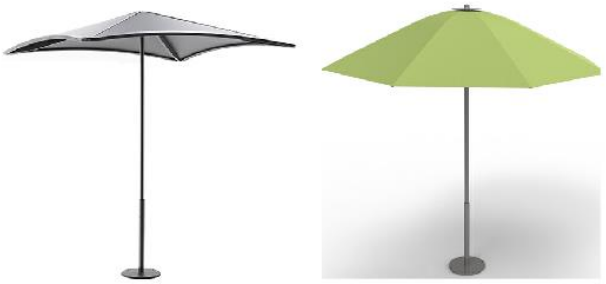
Metal Railing

Narrow Planters

RECOMMENDED FURNISHINGS

Requirements

1. Tables, chairs, and benches to be commercial grade and manufactured for outdoor use.
2. Made of safe and durable materials such as metal, finished wood, or sturdy composite or molded plastic materials.
3. Umbrellas should be made of canvas or other non-vinyl materials and be properly anchored. Solid colors are recommended.
4. Overhead lighting to be approved by the City prior to installation. Lights should be solar powered to eliminate all cords on the pavement that might create tripping hazards.



Umbrella Options

Solar Powered Overhead Lighting

Prohibited Materials

1. Sofas
2. Unfinished wood
3. Card tables and folding chairs
4. Lightweight plastic furnishings

Powder-coated Metal

Composite Material

Commercial Wood

TREES

Trees should be selected that are appropriate and tolerant of urban environments. Trees provide many benefits including 1) filtering pollutants in the water and air, 2) cooling the air temperature, 3) protecting us from harmful UV rays, and 4) improving our mental and physical health. Trees should also be selected for aesthetic qualities. The recommended tree list includes but is not limited to the following species.

Scientific Name	Common Name
Shade Trees	
Acer miyabei 'State Street'	State Street Maple
Celtis occidentalis	Hackberry
Ginkgo biloba	Ginkgo
Gleditsia triacanthos var. inermis	Thornless Honeylocust
Gymnolcadus dioicus 'Espresso' (seedless)	Espresso Kentucky Coffee Tree
Liriodendron tulipifera	Tuliptree
Nyssa sylvatica	Black Tupelo
Quercus x warei 'Chimney Fire'	Chimney Fire Oak
Taxodium distichum	Bald Cypress
Ulmus hybrids	Asian Elm Cultivars
Zelkova serrata	Zelcova
Evergreen Trees	
Juniperus virginiana	Eastern Redcedar
Pinus strobus	Eastern White Pine
Ornamental Trees	
Carpinus betulus	European hornbeam
Carpinus caroliniana	American Hornbeam
Crataegus crus-galli var. inermis	Thornless Cockspur Hawthorn
Ostrya virginiana	Ironwood
Syringa reticultata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac

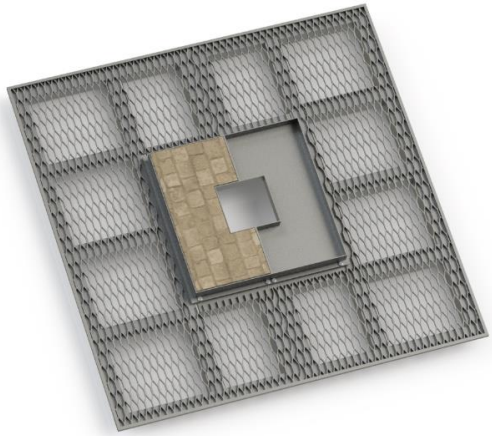
Description: All trees are to conform to the American Nursery Stock Standards. Upon installation, trees within the downtown area should not be less than the following sizes:

Shade Tree:	2-1/2 inch caliper minimum, as measured 48 inches above grade
Evergreen Tree:	Six (6) feet tall, minimum
Ornamental Tree:	1-3/4 inch caliper minimum, as measured 48 inches above grade (single-stem) or six (6) feet tall, minimum (multi-stem)

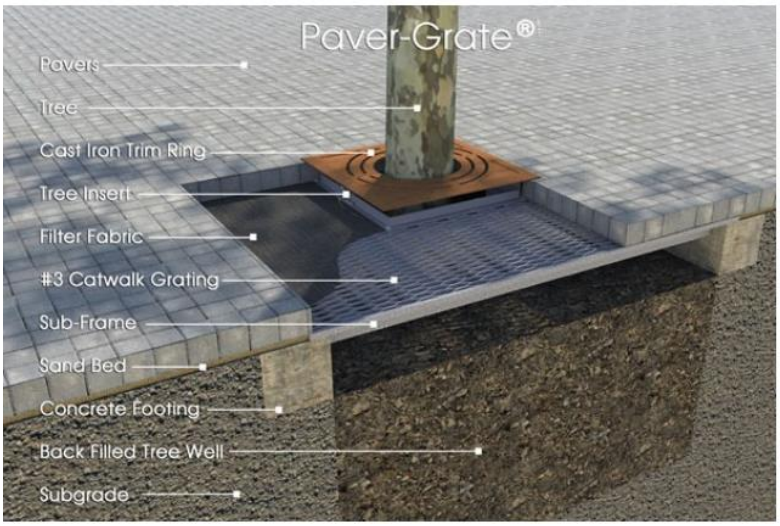
TREE GRATE PAVER OVERLAY SYSTEM

HIGHLIGHTS

- Opens tight pedestrian walk areas.
- Greatly reduces weeds and trash accumulation.
- Cuts down on tree area maintenance.
- Keeps root ball from compaction.
- Allows easy fertilization and irrigation.
- Almost invisible in place.



- IRONSMITH TRAY Series Paver-Grate® allows for a installation of pavers or other decorative features at the tree opening
- Easily removable for maintenance or expansion of tree opening
- Frame is fully height adjustable to allow for variations in paver thickness
- 4, 5 and 6 foot Paver-Grate® tree grates use a standard 24" square Tray
- Custom sizes and shapes can be provided.
- Available as removable access panels as well. Specify size and location.



Description: Paver-Grate Pavement Suspension System with Integrated Tray System
Paver Grate System by Ironsmith, www.ironsmith.cc

SHRUBS

Shrubs should be selected for hardiness, good form, and aesthetic qualities to provide structure and screening to the downtown landscape. The recommended shrub list includes but is not limited to the following species.

Scientific Name	Common Name
Evergreen Shrubs	
Buxus 'Chicagoland Green'	Chicagoland Green Boxwood
Juniperus x pfitzeriana 'Kallay's Compact'	Kallay's Compact Juniper
Juniperus sabina 'Buffalo'	Buffalo Juniper
Taxus x media 'Densiformis'	Dense Anglojap Yew
Deciduous Shrubs	
Ceanothus americanus	New Jersey Tea
Diervilla x 'Kodiak Orange'	Kodiak Orange Dervilla
Forsythia x intermedia 'Golden Nugget'	Golden Nugget Forsythia
Hydrangea paniculata 'Little Lime'	Little Lime Panicled Hydrangea
Itea virginica 'Little Henry'	Little Henry Sweetspire
Rhus aromatic 'Gro Low'	Gro Low Fragrant Sumac
Spiraea japonica 'Double Play Red'	Double Play Red Spirea
Spiraea nipponica 'Snowmound'	Snowmound Spirea

Description: Shrubs should be well developed and grown in containers with high quality growing medium. It is recommended plants be locally grown in a nursery with climatic conditions similar to those in Bloomington, IL.

ORNAMENTAL GRASSES AND PERENNIAL FLOWERS

Ornamental grasses, perennial flowers, and groundcovers be selected for hardiness, low maintenance, and aesthetic qualities. The recommended perennial plant list includes but is not limited to the following species.

Scientific Name	Common Name
Ornamental Grass	
Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass
Calamagrostis acutiflora 'Overdam'	Overdam Feather Reed Grass
Carex pensylvanica	Pennsylvania Sedge
Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass
Sporobolus heterolepis	Prairie Dropseed
Schizachyrium scoparium	Little Bluestem
Perennial Flowers, Groundcover, and Bulbs	
Allium 'Millennium'	Millennium Ornamental Chive
Aster Novae-angliae 'Vibrant Dome	Vibrant Dome Aster
Asclepias tuberosa	Butterfly Milkweed
Hemerocallis species	Daylilies
Hosta 'Francee'	Francee Hosta
Iris virginica var. shrevei	Blue Flag Iris
Iris sibirica 'Ceasar's Brother'	Ceasar's Brother Siberian Iris
Liatris spicata 'Kobold'	Kobold Blazing Star
Liriope spicata	Creeping Lilyturf
Narcissus 'Dutch Master'	Dutch Master Daffodil
Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint
Rudbeckia fulgida 'Goldsturm'	Goldstrum Black-eyed Susan
Salvia nemorosa 'May Night'	May Night Sage

Description: Perennial plants should be well developed and grown in containers with high quality growing medium. It is recommended plants be locally grown in a nursery with climatic conditions similar to those in Bloomington, IL

Summary of Infrastructure Investments

Summary of Infrastructure Investments
Downtown for Everyone - Streetscape Program Report

Project #1

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 1,765,435	$ 2,357,995	$ 4,123,430	$ 12,900,000	**32%**

Project #2

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 643,600	$ 1,820,076	$ 2,463,676	$ 8,390,000	**29%**

Project #3

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 322,939	$ 1,772,450	$ 2,095,389	$ 14,550,000	**14%**

Project #4

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 1,376,267	$ 3,513,171	$ 4,889,438	$ 11,200,000	**44%**

Project #5

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 641,774	$ 2,398,244	$ 3,040,018	$ 5,940,000	**51%**

Project #6

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 856,678	$ 2,116,368	$ 2,973,046	$ 6,030,000	**49%**

Project #7

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 708,400	$ 4,430,264	$ 5,138,664	$ 16,890,000	**30%**

Project #8

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 2,360,326	$ 4,909,974	$ 7,270,300	$ 16,720,000	**43%**

Project #9

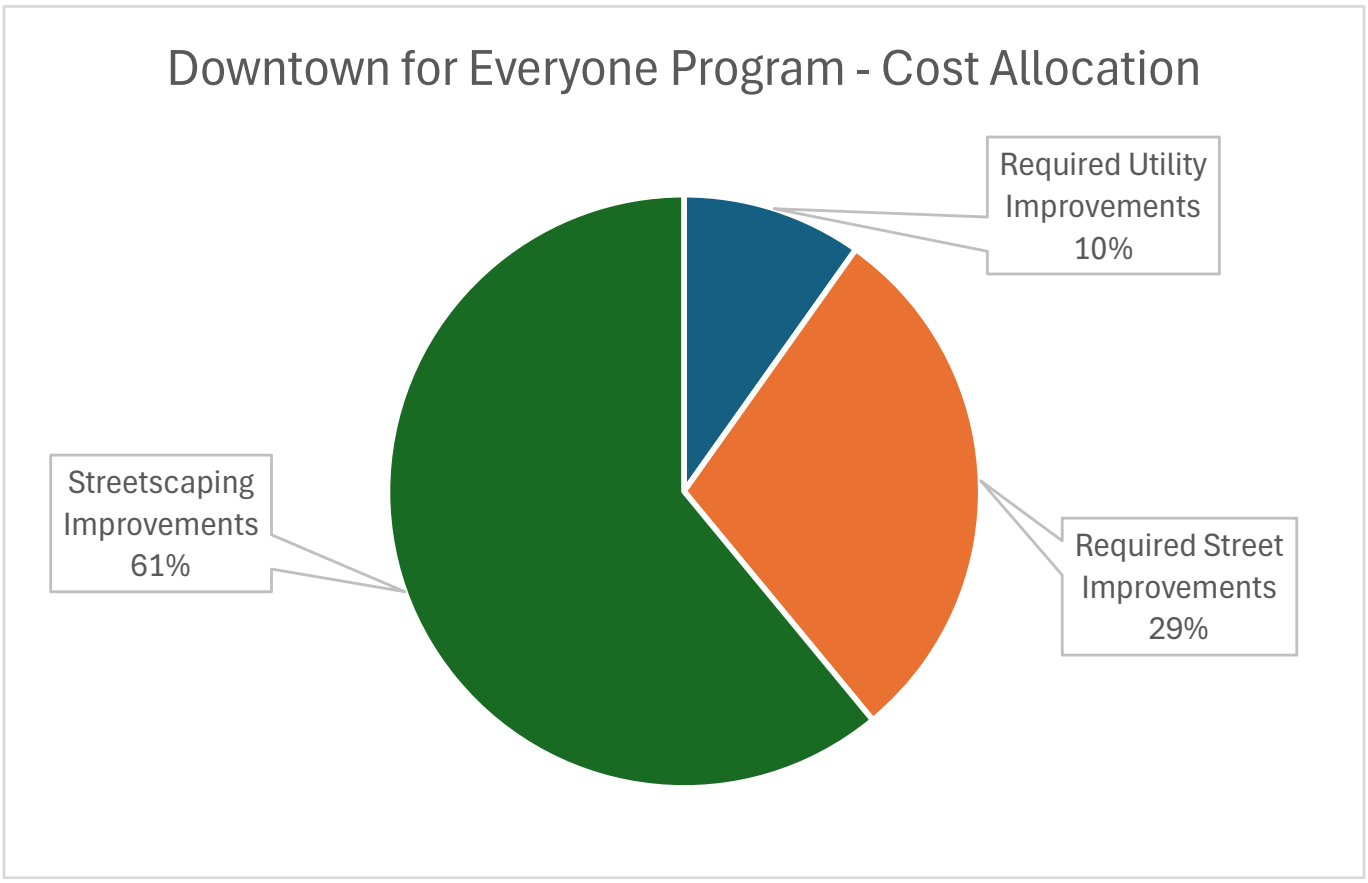
Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 1,027,370	$ 3,633,098	$ 4,660,468	$ 6,379,500	**73%**

Project #10

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 512,620	$ 3,428,516	$ 3,941,136	$ 5,025,000	**78%**

TOTAL PROGRAM

Utility Improvements	Street Improvements	Total Infrastructure Improvements	Total Project Costs	**Infrastructure % Costs**
$ 10,215,410	$ 30,380,156	$ 40,595,566	$ 104,024,500	**39%**


Downtown for Everyone Program - Cost Allocation
Required Utility Improvements 10%
Required Street Improvements 29%
Streetscaping Improvements 61%

List of Street Reconstruction Improvements

List of Street Reconstruction Improvements
Downtown for Everyone - Streetscape Program Report

Project #1

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
300 N Main	300	$ 202,563	$ 42,600	$ 70,929	$ 8,520	$ 25,560	$ 127,800	$ 477,972
400 N Main	400	$ 270,084	$ 56,800	$ 94,572	$ 11,360	$ 34,080	$ 170,400	$ 637,296
500 N Main	390	$ 263,332	$ 55,380	$ 92,208	$ 11,076	$ 33,228	$ 166,140	$ 621,364
600 N Main	390	$ 263,332	$ 55,380	$ 92,208	$ 11,076	$ 33,228	$ 166,140	$ 621,364
Total Project Roadway Cost:		**$ 2,357,995**						

Project #2

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
100 E Market	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
200 E Market	510	$ 275,486	$ 72,420	$ 96,463	$ 14,484	$ 43,452	$ 217,260	$ 719,565
200 E Douglas	520	$ 280,887	$ 73,840	$ 98,355	$ 14,768	$ 44,304	$ 221,520	$ 733,674
Total Project Roadway Cost:		**$ 1,820,076**						

Project #3

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
100 W Washington	270	$ 182,307	$ 38,340	$ 63,836	$ 7,668	$ 23,004	$ 115,020	$ 430,175
200 N Center	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
100 W Jefferson	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
200 N Main	320	$ 216,067	$ 45,440	$ 75,658	$ 9,088	$ 27,264	$ 136,320	$ 509,837
Total Project Roadway Cost:		**$ 1,772,450**						

Project #4

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
100 W Market	280	$ 151,247	$ 39,760	$ 52,960	$ 7,952	$ 23,856	$ 119,280	$ 395,055
200 W Market	250	$ 135,042	$ 35,500	$ 47,286	$ 7,100	$ 21,300	$ 106,500	$ 352,728
200 W Jefferson	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
100 E Jefferson	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
100 W Front	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
200 W Front	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
100 E Front	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
100 N Center	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
100 N Main	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
Total Project Roadway Cost:		**$ 3,513,171**						

Project #5

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
100 W Mulberry	280	$ 151,247	$ 39,760	$ 52,960	$ 7,952	$ 23,856	$ 119,280	$ 395,055
100 W Monroe	280	$ 151,247	$ 39,760	$ 52,960	$ 7,952	$ 23,856	$ 119,280	$ 395,055
200 W Monroe	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
100 E Monroe	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
200 W Washington	260	$ 175,555	$ 36,920	$ 61,472	$ 7,384	$ 22,152	$ 110,760	$ 414,242
100 E Washington	280	$ 189,059	$ 39,760	$ 66,200	$ 7,952	$ 23,856	$ 119,280	$ 446,107
Total Project Roadway Cost:		**$ 2,398,244**						

Project #6

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
300 N Center	300	$ 162,050	$ 42,600	$ 56,743	$ 8,520	$ 25,560	$ 127,800	$ 423,274
400 N Center	400	$ 216,067	$ 56,800	$ 75,658	$ 11,360	$ 34,080	$ 170,400	$ 564,365
500 N Center	400	$ 216,067	$ 56,800	$ 75,658	$ 11,360	$ 34,080	$ 170,400	$ 564,365
600 N Center	400	$ 216,067	$ 56,800	$ 75,658	$ 11,360	$ 34,080	$ 170,400	$ 564,365
Total Project Roadway Cost:		**$ 2,116,368**						

Project #7

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
300 S Main	280	$ 151,247	$ 39,760	$ 52,960	$ 7,952	$ 23,856	$ 119,280	$ 395,055
100 S East	340	$ 183,657	$ 48,280	$ 64,309	$ 9,656	$ 28,968	$ 144,840	$ 479,710
200 S East	310	$ 167,452	$ 44,020	$ 58,635	$ 8,804	$ 26,412	$ 132,060	$ 437,383
100 N East	330	$ 178,255	$ 46,860	$ 62,418	$ 9,372	$ 28,116	$ 140,580	$ 465,601
200 N East	300	$ 162,050	$ 42,600	$ 56,743	$ 8,520	$ 25,560	$ 127,800	$ 423,274
300 N East	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
400 N East	400	$ 216,067	$ 56,800	$ 75,658	$ 11,360	$ 34,080	$ 170,400	$ 564,365
500 N East	490	$ 264,682	$ 69,580	$ 92,681	$ 13,916	$ 41,748	$ 208,740	$ 691,347
600 N East	370	$ 199,862	$ 52,540	$ 69,983	$ 10,508	$ 31,524	$ 157,620	$ 522,037
Total Project Roadway Cost:		**$ 4,430,264**						

Project #8

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
300 S Center	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
100 S Madison	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
200 S Madison	340	$ 183,657	$ 48,280	$ 64,309	$ 9,656	$ 28,968	$ 144,840	$ 479,710
100 N Madison	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
200 N Madison	320	$ 172,854	$ 45,440	$ 60,526	$ 9,088	$ 27,264	$ 136,320	$ 451,492
300 N Madison	300	$ 162,050	$ 42,600	$ 56,743	$ 8,520	$ 25,560	$ 127,800	$ 423,274
400 N Madison	400	$ 216,067	$ 56,800	$ 75,658	$ 11,360	$ 34,080	$ 170,400	$ 564,365
500 N Madison	420	$ 226,871	$ 59,640	$ 79,440	$ 11,928	$ 35,784	$ 178,920	$ 592,583
600 N Madison	440	$ 237,674	$ 62,480	$ 83,223	$ 12,496	$ 37,488	$ 187,440	$ 620,801
300 W Mulberry	360	$ 194,460	$ 51,120	$ 68,092	$ 10,224	$ 30,672	$ 153,360	$ 507,928
Total Project Roadway Cost:		**$ 4,909,974**						

Project #9

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
300 W Monroe	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
300 W Washington	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
400 W Washington	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
200 E Washington	500	$ 270,084	$ 71,000	$ 94,572	$ 14,200	$ 42,600	$ 213,000	$ 705,456
200 E Grove	500	$ 270,084	$ 71,000	$ 94,572	$ 14,200	$ 42,600	$ 213,000	$ 705,456
200 W Olive	245	$ 132,341	$ 34,790	$ 46,340	$ 6,958	$ 20,874	$ 104,370	$ 345,673
300 W Olive	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
400 W Olive	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
Total Project Roadway Cost:		**$ 3,633,098**						

Project #10

Block #	Approx. Length (ft)	Pavement Reconstruction Cost	Curb Reconstruction Cost	Pavement Demolition Cost	Curb Demolition Cost	Sidewalk Demolition Cost	Sidewalk Reconstruction Cost	Total Block Reconstructon Cost
300 W Market	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
200 E Jefferson	500	$ 270,084	$ 71,000	$ 94,572	$ 14,200	$ 42,600	$ 213,000	$ 705,456
300 W Jefferson	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
300 W Front	270	$ 145,845	$ 38,340	$ 51,069	$ 7,668	$ 23,004	$ 115,020	$ 380,946
400 W Front	260	$ 140,444	$ 36,920	$ 49,177	$ 7,384	$ 22,152	$ 110,760	$ 366,837
200 E Front	500	$ 270,084	$ 71,000	$ 94,572	$ 14,200	$ 42,600	$ 213,000	$ 705,456
100 W Olive	370	$ 199,862	$ 52,540	$ 69,983	$ 10,508	$ 31,524	$ 157,620	$ 522,037
Total Project Roadway Cost:		**$ 3,428,516**						

Total Program Street Reconstruction Cost: **$ 30,380,156**

List of Major Public Utility Improvements

List of Major Public Utility Improvements
Downtown for Everyone - Streetscape Program Report

Project #1

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
300 N Main	300	-	$ -	-	$ -		-		
400 N Main	400	-	$ -	-	$ -		-		
500 N Main	390	-	$ -	-	$ -		-		
600 N Main	390	-	$ -	12	$ 110,760		35,000	$ 1,277,500	
		Subtotals:	*$ -*		*$ 110,760*	*$ 377,175*		*$ 1,277,500*	*$ 710,606*
		Total Project Utility Cost:	**$ 1,765,435**						

Project #2

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
100 E Market	260	-	$ -	10	$ 73,840		-		
200 E Market	510	6	$ 217,260	-	$ -		-		
200 E Douglas	520	-	$ -	-	$ -		-		
		Subtotals:	*$ 217,260*		*$ 73,840*	*$ 352,500*		*$ -*	*$ -*
		Total Project Utility Cost:	**$ 643,600**						

Project #3

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
100 W Washington	270	16	$ 115,020	-	$ -		-		
200 N Center	320	20	$ 136,320	-	$ -		-		
100 W Jefferson	270	-	$ -	-	$ -		-		
200 N Main	320	-	$ -	-	$ -		-	$ -	
		Subtotals:	*$ 251,340*		*$ -*	*$ 71,599*		*$ -*	*$ 539,579*
		Total Project Utility Cost:	**$ 322,939**						

Project #4

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
100 W Market	280	6	$ 119,280	-	$ -		-		
200 W Market	250	6	$ 106,500	-	$ -		-		
200 W Jefferson	260	6	$ 110,760	-	$ -		-		
100 E Jefferson	270	-	$ -	-	$ -		-		
100 W Front	270	6	$ 115,020	-	$ -		-		
200 W Front	260	4	$ 110,760	-	$ -		-		
100 E Front	260	6	$ 110,760	-	$ -		-		
100 N Center	320	6	$ 136,320	10	$ 90,880		-		
100 N Main	320	-	$ -	36	$ 90,880		-	$ -	
		Subtotals:	*$ 809,400*		*$ 181,760*	*$ 385,107*		*$ -*	*$ 773,921*
		Total Project Utility Cost:	**$ 1,376,267**						

Project #5

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
100 W Mulberry	280	-	$ -	-	$ -		-		
100 W Monroe	280	-	$ -	-	$ -		-		
200 W Monroe	260	10	$ 110,760	-	$ -		-		
100 E Monroe	270	-	$ -	-	$ -		-		
200 W Washington	260	16	$ 110,760	24	$ 73,840		-		
100 E Washington	280	16	$ 119,280	?	$ 79,520		-		
		Subtotals:	*$ 340,800*		*$ 153,360*	*$ 147,614*		*$ -*	*$ 417,163*
		Total Project Utility Cost:	**$ 641,774**						

Project #6

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
300 N Center	300	20	$ 127,800	-	$ -		-		
400 N Center	400	20	$ 170,400	-	$ -		-		
500 N Center	400	20	$ 170,400	-	$ -		-		
600 N Center	400	20	$ 170,400	12	$ 113,600		-		
		Subtotals:	*$ 639,000*		*$ 113,600*	*$ 104,078*		*$ -*	*$ 392,172*
		Total Project Utility Cost:	**$ 856,678**						

Project #7

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
300 S Main	280	8	$ 119,280	15	$ 79,520		-		
100 S East	340	-	$ -	-	$ -		-		
200 S East	310	-	$ -	-	$ -		-		
100 N East	330	-	$ -	-	$ -		-		
200 N East	300	-	$ -	?	$ 85,200		-		
300 N East	320	-	$ -	-	$ -		-		
400 N East	400	-	$ -	-	$ -		-		
500 N East	490	-	$ -	-	$ -		-		
600 N East	370	-	$ -	-	$ -		-	$ -	
		Subtotals:	*$ 119,280*		*$ 164,720*	*$ 424,400*		*$ -*	*$ -*
		Total Project Utility Cost:	**$ 708,400**						

Project #8

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
300 S Center	260	6	$ 110,760	15	$ 73,840		-		
100 S Madison	320	10	$ 136,320	15	$ 90,880		-		
200 S Madison	340	10	$ 144,840	15	$ 96,560		-		
100 N Madison	320	10	$ 136,320	15	$ 90,880		-		
200 N Madison	320	10	$ 136,320	-	$ -		-		
300 N Madison	300	10	$ 127,800	12	$ 85,200		-		
400 N Madison	400	-	$ -	12	$ 113,600		-		
500 N Madison	420	6	$ 178,920	-	$ -		-		
600 N Madison	440	6	$ 187,440	-	$ -		-	$ -	
300 W Mulberry	360	6	$ 153,360	-	$ -		-	$ -	
		Subtotals:	*$ 1,312,080*		*$ 550,960*	*$ 497,286*		*$ -*	*$ -*
		Total Project Utility Cost:	**$ 2,360,326**						

Project #9

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
300 W Monroe	260	10	$ 110,760	-	$ -		-		
300 W Washington	270	12	$ 115,020	18	$ 76,680		-		
400 W Washington	270	12	$ 115,020	-	$ -		-		
200 E Washington	500	12	$ 213,000	-	$ -		-		
200 E Grove	500	-	$ -	15	$ 142,000		-		
200 W Olive	245	6	$ 104,370	-	$ -		-		
300 W Olive	270	-	$ -	90	$ 76,680		-		
400 W Olive	260	-	$ -	90	$ 73,840		-		
		Subtotals:	*$ 658,170*		*$ 369,200*	*$ -*		*$ -*	*$ 831,223*
		Total Project Utility Cost:	**$ 1,027,370**						

Project #10

Block #	Approx. Length (ft)	Water Main Replacement (Dia. in Inches)	Water Main Replacement Cost	Sanitary Repair (Dia. in Inches)	Sanitary Replacement Cost	Combined Sewer Separation Cost	Underground Detention (Volume in Cu. Ft.)	Underground Detention Cost	Vault Reclamation Cost
300 W Market	270	6	$ 115,020	-	$ -		-		
200 E Jefferson	500	-	$ -	-	$ -		-		
300 W Jefferson	260	6	$ 110,760	-	$ -		-		
300 W Front	270	-	$ -	-	$ -		-		
400 W Front	260	-	$ -	15	$ 73,840		-		
200 E Front	500	6	$ 213,000	-	$ -		-		
100 W Olive	370	-	$ -	-	$ -		-		
		Subtotals:	*$ 438,780*		*$ 73,840*	*$ -*		*$ -*	*$ 763,684*
		Total Project Utility Cost:	**$ 512,620**						

Total Water Main Replacment Cost	$	4,786,110
Total Sanitary Repair Cost	$	1,792,040
Total CSO Cost	$	2,359,760
Total Detention Cost	$	1,277,500
Total Vault Reclamation Cost	$	4,428,348
Total Major Utility Improvement Costs	**$**	**14,643,758**