



Figure 3.5A-1



Figure 3.5A-2

#### 3.5A BENCH AND TRASH RECEPTACLE

The bench and trash receptacle selection is based on the overall design intent of the Riverwalk. The bench is Austin by Landscape Forms Inc. (LFI) and consists of natural finished aluminum with the option of wood or aluminum seating. The receptacle is Petoskey by LFI and can be inscribed with custom logo (Figure 3.5A-5). The finish of the bench and receptacle work well with the handrail detail, (stainless steel or aluminum with wood ) for the Riverwalk.

- Austin wood benches have a recycled material content of 27% or greater of which 15% or greater is post consumer and 12% or greater is post industrial. Austin aluminum benches have a recycled content of 48% or greater of which 26% or greater is post consumer and 22% or greater is post industrial. All styles are 100% recyclable.
- Forest Stewardship Counsel (FSC) certified Ipe, maple and red oak are available upon request (may incur longer lead time and upcharge). FSC Chain of Custody registration code: SW-COC-1261.
- Landscape Forms Panguard II (R) Powdercoat finish contains no heavy metals, is HAPS-free and has extremely low Volatile Organic Compounds (VOC).
- Petoskey Litter Receptacle has a recycled material content of 86% or greater. The post-consumer content 56% or greater; and the post-industrial content is 30% or greater.



Figure 3.5A-3



Figure 3.5A-4



Figure 3.5A-5

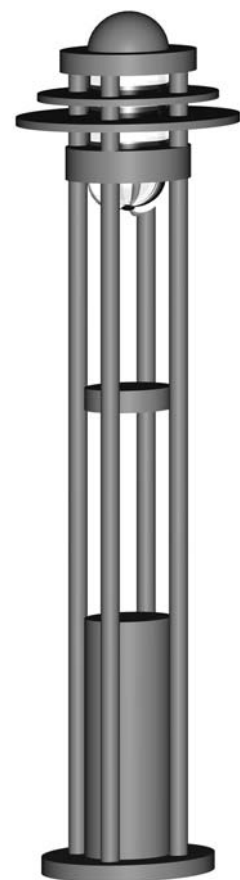


### 3.5B LIGHTING

The primary lighting for the Riverwalk is produced by bollard fixtures integrated in the handrail detailing. The Saturn Bollard by Louis Poulsen Lighting provides a model that matches the finish of the bench, trash receptacle, and handrail. The Saturn Bollard is light weight in design and works well with the pedestrian light that currently is in place at Riverside Park. The dimensions of the Saturn fixture is just over 3 ½ feet tall with a maximum width of 10.3 inches at the rings of the top feature and a 6 inch body of the bollard. The bollard lights will be space approximately 25 ½ feet apart providing good light coverage for the walk surface.

The Pedestrian Light matches the existing lights found in Riverside Park. The fixture is Cyclone CN 5001 with BD57 base and silver finish. The fixture is just over 17 feet tall and will be spaced approximately 76 ½ feet apart to complement the bollard lighting.

The Pedestrian and Bollard Lights will be located on different sides of Riverwalk approximately 14 ½ feet apart with a 12 foot clear zone in between for pedestrians on the Riverwalk.



**BOLLARD  
Saturn Light**



3.0 DESIGN CHARACTER

3.5C DOCKAGE

In Oshkosh, the Fox River’s elevation is very effectively controlled by the dam structures at Neenah. As a result, the option of including a fixed dockage system is more acceptable than on a water body with more pronounced fluctuations. The advantage of fixed docks is one of resistance to wave action and the perceived stability under load.

Requirements for a successful fixed dock system include:

- 1. Understanding of the river bottom composition. Knowing the soil characteristics allows for the proper sizing of the support structure.
- 2. Understanding of the expected design loads. Since the dock facilities will have a variety of uses, the dock structure must be designed to accommodate the expected loads.
- 3. Understanding ice behavior along the river. Springtime floating ice and ice jacking both must be accounted for in the design.
- 4. Understanding the design requirements for matching the upland design aesthetics. Fixed docks appear to the users as more integrated with the upland facilities, therefore attention to the wood detailing, the railings and lighting and any accessories associated with the docks must be paid.

Once these requirements are fulfilled, the sizes and locations of walkways, gangways, and fingers may be determined and the design may proceed.

Design Guidelines for fixed and floating docks

Design Loadings

- 30 psf live loadings on docks for flotations
- 50 psf live loads for structural design
- Railings and handrails to meet upland rail design requirements
- Bending load transmitted from finger to main and from segment to segment
- Limit slope on docks < 1” in 10 feet

- Limit deflection under load at end of fingers to < 4” under 400 lb. Pointload

Dimensions

- Minimum 5’ clear horizontal on gangways/docks
- Minimum 3’ wide for dock fingers
- Rail heights and features to comply with ADA requirements
- Minimum 12” truss frame structure
- Gangways maximum slope is 1:12; length between landing is not limited to 30’

Dockage Users

- Short-term Transients: Visiting restaurants, park facilities, local businesses
- Overnight Transients: Stay 1-2 days; visiting as short-term with potential hotel visits
- Seasonal Rentals: Use appropriate marina facilities, river and lake users
- Excursion Boats and Water Taxis: Non-boat owners using the water
- Floating or fixed platforms: General public observing the riverfront and riverfront events
- Walkways: General public waterfront access and pathways

Facility Types

- Short-term Tie off and Transient slips: Mostly parallel to shoreline; no utilities; may use sheet pile tie off or transient docks
- Overnight Transients: Parallel or perpendicular to shore; electric utilities an option
- Seasonal Rentals: Marina type facility with power and water available; higher levels of amenities, security and services

- Excursion Boast and Water Taxis: Larger loading platforms and access in excess of ADA minimums
- Platforms: Railing and areas for multiple activities
- Walkways: Railings and open access for walking and standing

Materials Palette

	Acceptable	Unacceptable
Structural		
Wood Frame Docks		X
Pin Connected Section		X
Extruded Frame Docks		X
Truss Frame Docks	X	
Structural Concrete Docks	X	
Aluminum Gangways	X	
Galvanized Steel Gangways	X	
Wood Gangways Structure		X
Appearance		
Decking		
Treated Southern Yellow Pine	X	
IPE (Brazilian Hardwood)	X	
Concrete	X	
Recycled Plastic		X
Plastic and FRP		X
Gangways		
Aluminum Deck	X	
IPE Deck	X	
Southern Yellow Pine Deck	X	

Design Notes:

Docks that do not stay in the river shall be designed for disassembly and extraction from the waterway.

Dock anchorage structures are not allowed to compromise the structural integrity of the sheet pile system.

Any lighting used should be semi cutoff or full cut off to minimize light pollution.



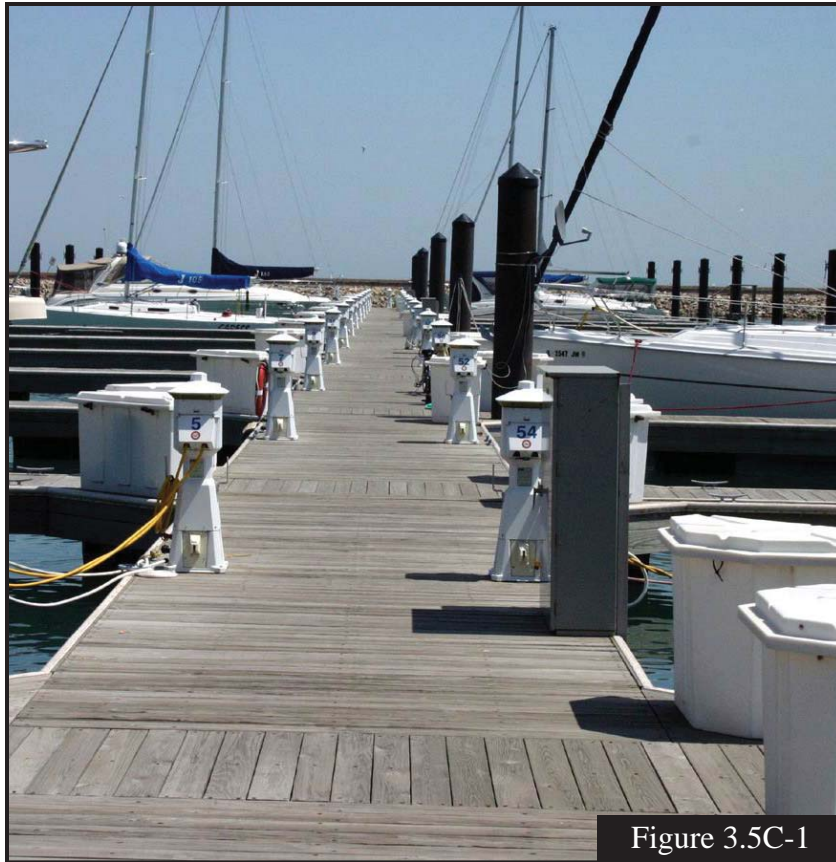


Figure 3.5C-1



Figure 3.5C-3



Figure 3.5C-5

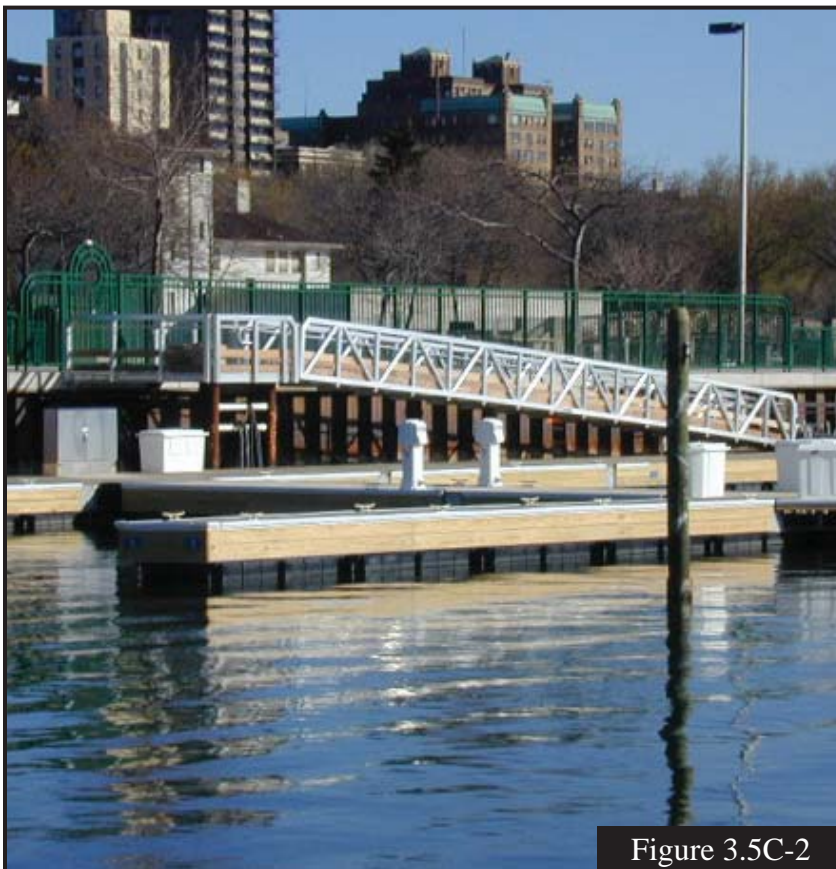


Figure 3.5C-2

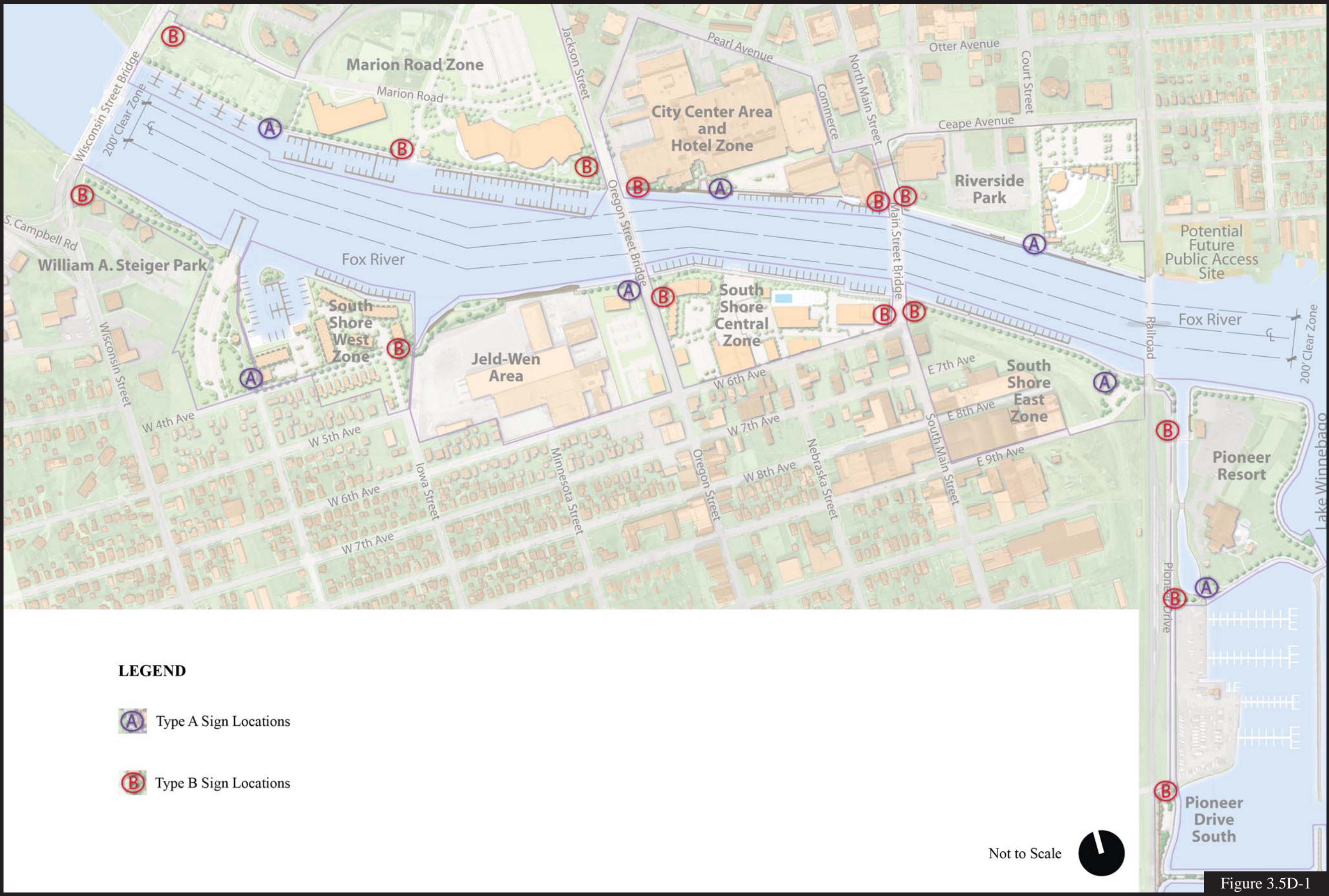


Figure 3.5C-4



Figure 3.5C-6







### 3.5D SIGNAGE

**Type A Sign: Riverwalk Directory** - Functionally similar to a kiosk provide maps with business/destination locations identified with symbols and labels. The Directory will provide clear and comprehensive plan graphics for pedestrian wayfinding. The Directory will be located perpendicular to the Riverwalk so that the user can look at the map and then up and down the river corridor. Therefore, instead of orienting the map north/south, as typically found, the image is place west to the top and east to the bottom of the sign. The sign materials will match the look of the handrail. The map and labels shall be applied to the surface with maximum vandal resistant coating. The Riverwalk Directory should be located on both sides of the Fox River as illustrated in Figure 3.5D-1.

**Type B Sign: Directional Sign** - These signs will complement the Riverwalk Directory (Type A). Using simple arrows and easy to read labels this sign directs pedestrians to destinations along the riverfront. The design of the Directional Sign should feature the same materials as the Riverwalk Directory Sign. The sign should also be placed perpendicular to the Riverwalk for best viewing potential. The Directional Sign should be placed at the intersection on both sides of the Riverwalk and Wisconsin, Oregon, and Main Street to inform pedestrians moving into the riverfront area from downtown and surrounding neighborhoods. Other locations such as the Boat Works and Pioneer Resort will benefit Riverwalk users (Figure 3.5D-1)

**District Banners** - The districts or block address of the Riverwalk business and residential units can be identified using logo “banners”. The use of districts and Riverwalk addresses can give the riverfront a distinctive image. Using the banners on the pedestrian light fixtures establishes a visual identity for each district or block and will facilitate user recognition of where they are within the Riverwalk corridor. The district numbers can be colored to identify each block and promote recognition on the Riverwalk Directory map (Type A Sign). The Oshkosh Riverwalk logo “banner” is to be manufactured from long-lasting metal materials that match other amenities.

#### SIGNAGE GUIDELINES

Type A sign, Riverwalk Directory, includes map of Riverwalk with Wisconsin Street Bridge at the top and Lake Winnebago at the bottom (west to east) to orient user as they walk along the river. Directory to be located perpendicular to the Riverwalk so as when reading map the user visually looks up and down the river corridor.

Type B Sign, Directional Sign, give the user directions to highlighted sights along the corridor via arrows to business or other uses on the Riverwalk.

District Banners to be located along the Riverwalk on the light fixtures. The banners to match the sign detailing with color highlights to distinguish block addresses.

Oshkosh Riverwalk logo to be consistent throughout riverfront with signs and banners.

3” diameter post on signs to match detailing of the light fixtures use along the Riverwalk.

Materials of the signs to match handrail detailing.

