

WRIGHT PARK

FEASIBILITY STUDY AND PRIORITY ACTION PLAN



Prepared for:

City of Dunkirk, Chautauqua County, New York



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1.0 Introduction

This project explored the feasibility of enhancing and updating Wright Park in the City of Dunkirk, Chautauqua County, New York. Wright Park is owned and operated by the City for public use and is located on the shores of Lake Erie. While the park has provided a lakefront site for public recreation for many years, this project explored the potential of enhancing the park to meet the current and future recreation needs of City residents as well as visitors to the municipality and region. A component of the Feasibility Study was the development of an Inventory and Opportunities Map, an Enlarged Conceptual Plan for specific improvements related to short-term priority projects, and a Preliminary Opinion of Probable Cost associated with the priority projects.

Project Background

Wright Park is a 50 acre City-owned park located on the northeast area of Dunkirk and adjacent to the shores of Lake Erie. The Park offers an abundance of outdoor recreational activities. Over the years the City has made upgrades and improvements to the Park. The Little League baseball fields and City softball fields were constructed in 1990. Basketball courts and an outdoor hockey rink were also built in 1990. The existing City restaurant pavilion was built in 1960. A bike trail was incorporated into the park in 1995. Lastly, the City's skate park was built in 2010.

Figure 1 illustrates the general boundaries of Wright Park. This 50-acre park provides many recreational amenities for the community. However, some of these amenities and facilities are outdated, in deterioration, and in some cases cannot be used for their intended purpose. Many of the fields and courts are in need of resurfacing and upgrading. The City's

outdoor hockey rink was intended to be used as an ice skating rink in the winter and street hockey rink in the summer. Due to deterioration over time, the rink is in need of repaving. Additionally, the park lacks some of the essential park amenities for families. There is no playground or water spray activity for children to play in, although there are picnic shelters and swings.

In response to these needs at Wright Park, the City applied for and obtained grant funds from the New York State Office of Parks, Recreation and Historic Preservation (OPRHP) under the Environmental Protection Fund (EPF) program for the planning, design and construction of necessary improvements.

Process

While much needed upgrades and physical improvements remain the emphasis for funds allocated to Wright Park as part of the EPF grant, the City proposed to offer an alternative approach to the Scope of Work in order to best understand which improvements should take priority in order to make the best use of available funding. In doing so, the City obtained the approval from OPRHP to undertake this important Feasibility Analysis which allows the City to prioritize key enhancements within the context of available funding and to develop more reliable construction costs.

To that end, the Wright Park Feasibility Study process included four (4) key components:

1. Site Inventory and Analysis
2. City Input
3. Conceptual Design Alternatives
4. Cost Estimates and Implementation Plan

Site Inventory and Analysis

The natural resources, existing facilities and structures of Wright Park were viewed and assessed in April 2017. Natural resources and manmade facilities were evaluated, use history observed, and site opportunities and constraints explored. The municipal and regional setting was investigated to consider surrounding land uses, potential and existing linkages, and influences in the park. Ownership and opportunities for park development were also explored. This assessment defines the feasibility of undertaking future improvements.

City Input

Input from City staff was sought throughout the feasibility phase to inform the assessment and guide the preparation of a relevant conceptual plan for priority improvements, based on the current funding allocation from the EPF grant. Input was gathered by working with a committee of City staff from various departments, and a site walkover was conducted with the committee to gather data related to use history, priorities, issues and opportunities in the park. Some key takeaways from committee discussions include the following:

- The lake setting and access to beaches and the promenade are main attractions of Wright Park.
- Baseball fields are critical to local Little League and District Playoffs. Needs to be factored into annual maintenance and operation budget.
- Consider integrating opportunities for nature play into the park, particularly along the creek.
- Existing parking areas are well used and in need of simple upgrades to handle

stormwater and to improve safety, particularly along East Pine Street within the Park.

- The pavilion/restaurant building is a priority and in need of upgrades to the restrooms to bring up to ADA compliance.
- The multi-use outdoor street and ice skating rink is in need of repair and should incorporate a multi-use program.
- A splash pad facility has been discussed for years and remains a priority of the City and community.
- Access to Wright Park from North Serval Street at the intersection of Lake Front Boulevard should be considered a prime gateway treatment space to build upon improvements to the promenade, tying beach activity together with Wright Park.
- Improvements to the Park should capitalize on the views to the Lake.
- Lighting at the basketball courts are in need of an upgrade.
- The building adjacent to the skate park should be reprogrammed as a multi-use space, taking advantage of its size and central location within the Park.
- Trails within the Park are in need of repair. The City has stockpiled old asphalt millings from local roadway projects for reuse when trails are repaired.
- A playground is needed within the Park.

- Exterior treatments to the pavilions such as roof repairs are needed.
- A footbridge linking the two sides of the creek within the Park.

Conceptual Design Alternatives

A conceptual design was prepared to illustrate priority improvements based on City input, the current budget allocation, and future needs and opportunities. The study committee reviewed the conceptual design alternatives for priority improvements and provided direction for the preparation of a final conceptual design alternative. Probable construction cost opinions and a phasing plan for implementing the park improvements and future opportunities were also completed.

Cost Estimates

An overall phasing schedule was prepared based on City input, the current budget for near-term improvements, and needs of the community long-term. Strategies for funding the long-term development and improvement of the park are also provided.

2.0 Site Analysis

The Wright Park Existing Inventory and Future Opportunity Map, **Figure 2**, is provided at the end of this document.

General Site Data

Size/Location

Wright Park is approximately 50 acres in size and is located on the northeast end of Dunkirk and adjacent to the shores of Lake Erie (See **Figure 1**). Lake Erie is the 11th largest lake in the world and part of the Great Lakes, the largest fresh water complex in the world. Wright Park's location along the shores of this tremendous regional and world-class asset provides an abundance of opportunities.

Within that is a 1.5-acre parcel that fronts along Lake Front Boulevard between North Ocelot Street and North Serval Street that is available for park development and public use. Also within Wright Park are lands that are contiguous to the municipal water pollution control facility located at the end of Wright Park Drive. While the treatment plant appears to be part of a larger lakefront parcel within the Park, it is not open to the public.



Existing Promenade

Existing and Surrounding Land Use

The parcel exists as a park with open lawn areas, vegetated riparian Creekside areas, and recreation amenities such as ball fields, skate parks, tennis courts, trails and other active play spaces. Surrounding land use includes industrial uses to the east (water pollution control facility), Dunkirk City School No. 7 across East Pine Street from the Park, and residential uses to the west, east and south. Several commercial establishments are in close proximity to the park along Lake Shore Drive.

Park Infrastructure

Site Access / Vehicular Circulation: Access to Wright Park is via any number of adjacent streets including Lake Front Boulevard along the Lake, North Serval Street, East Pine Street, and Wright Park Drive. Each provides direct access to the Park, while East Pine Street provides more of a cut-through within the Park. A promenade was recently extended from the downtown harbor area to Wright Park, which terminates at the intersection of Lake Front Boulevard and North Serval Street. However, there are no sidewalks along any of the streets that provide access into the Park from nearby community corridors such as Lake Shore Drive.

Trails: There are existing trails and footpaths within the Park. Most of these are a minimum 5 to 8-feet wide.

Utilities and Infrastructure: Electric service currently extends to various facilities within the Park, including the ball fields, restrooms, basketball courts, and Skate Park. Water service is available from the surrounding streets.

While we do not know the exact location of sanitary lines at this time, there are sewerage services, as well as storm water services within the park to accommodate the restrooms and site drainage.

Structures: There are several structures that are located within the Park, many of which are outdated and in need of upgrades. Structures

include pavilions, restrooms, storage and locker rooms, dugouts for ball fields, a lakeside restaurant/concession stand, and other manmade surfaces that can be considered structures, such as the paved outdoor street and ice hockey rink area.



Existing Lakeside Pavilion

Recreation Facilities: Play spaces and other recreational facilities located within the park include: a skate park, basketball courts, trails, volleyball courts, and picnic areas with grilling stations.



Existing Basketball Courts



Existing Swings

Conclusions and Implications

Summarized below and Illustrated on **Figure 2** are signature opportunities for improvements within the Park. The Feasibility Study took into account the priorities that could be advanced either by City forces or through design, bidding and construction. As shown on **Figure 2**, Phase I improvements are highlighted in and include a reprogrammed multi-use activity court including asphalt street skating that can be turned into outdoor ice skating in the winter, a splash pad, basketball court upgrades, Creekside nature play areas, lakeside pavilion and restroom upgrades, a new playground, and improvements to the baseball fields, such as new topsoil. It should be noted that the new topsoil was identified during the Feasibility Study but has already been completed by City forces.

Other important projects were also identified, however, were deemed less of a priority given their current condition and long-term needs, and available funding at this time.

Additionally, the Feasibility Study outlines the following general considerations for the City:

Ecological

- It is important to maintain a healthy vegetated creek corridor within the park with large, mature trees to hold its

banks and to prevent significant erosion. The creek corridor in the Park provides a significant opportunity for nature play spaces.

- The Park and adjacent City-owned parcel between North Serval Street and North Ocelot Street provide an abundance of public lakefront land. Thinning of vegetation along the banks of the lakeside shoreline in front of the Park could better capture views to the lake from the pavilion/restaurant.

Functional

- Provide handicap accessible parking spaces and an accessible walkway/trail throughout the park site to connect parking areas and park facilities. ADA accessibility should be addressed to each facility.
- The paved multi-use outdoor street and ice hockey area can be reprogrammed to facilitate a myriad of uses. Also, a portion of this area could be used for a future splash pad location.
- Develop modern restrooms that meet the requirements of the ADA.
- Extending sidewalks or footpaths along North Warsaw Street and Wright Park Drive from Lake Shore Drive should be explored to connect to existing sidewalks south and east of the park.
- Having adequate parking in the area of Lake Front Boulevard and North Serval Street is critical to accommodate future improvements in those areas, particularly on the city-owned parcel between North Serval and North Ocelot Streets.

- The aggregate parking area along East Pine Street is large and undefined. Also, East Pine Street is used as a cut-through within the Park, making pedestrian crossings and maneuverability unsafe. Consider defining parking areas and turnarounds to limit paved areas and increase lawn area.
- Enhance the connection from the pavilion/restaurant to the promenade extension to promote additional lake and beach access and connectivity to downtown Dunkirk.
- The water pollution control facility land is not open to the public and future park improvements must direct users to public areas and discourage access to other areas.
- The physical relationship of the paved multi-use outdoor ice and street hockey area, picnic areas, and the pavilion/restaurant is good. The picnic areas are an accessory amenity for use by young children and families. Once the outdoor skating area has been reprogrammed and upgraded the picnic areas offer ample space for families to view and keep an eye on their children playing. This area should also include a possible future playground. Another location for a playground space would be the city-owned lot between North Serval and North Ocelot Streets.
- The Park offers open space areas appropriate for informal enjoyment of the site for its creek access and scenic views.

Recreational

- The Lake and its views make Wright Park a premier destination along the City's enhanced promenade. City needs to promote the Park as a destination for recreation, community events, and lakeside activities.
- The open lawn below on the City-owned parcel between North Serval and North Ocelot Streets is gently sloping and offers flexible space for passive and active recreation. It also offers a preferred orientation for viewing sun sets and general views to the Lake.
- The ball fields are well used but need periodic upgrades by bringing in new dirt to accommodate safe playing surfaces and drainage. The City needs to factor these costs into their annual operation and maintenance plan for the Park.
- Trail connections within the Park and to the surrounding streets is critical. Also, linking trails up to the promenade by improvements to the North Serval Street and Lake Front Boulevard Intersection is important.
- Introduce additional recreational amenities desired by park users such as horseshoe pits, volleyball court, and a nature play space along the creek.

3.0 Conceptual Design

While several opportunities are illustrated on **Figure 3** related to priority improvements and long-term enhancements that should be considered by the City for Wright Park, a Conceptual Design Plan was also prepared to show key priority improvements that could be funded in the short term with the existing allocated budget from the EPF grant, in addition to other improvements that should be considered in the future. It is important to show these improvements to illustrate their relationship to one another, even though they are not all able to be funded at this time.

Priority Projects

Splash Pad System



The proposed splash pad system includes various water features as seen in the attached preliminary plan developed by Vortex, included as **Appendix A**. Selection of the features should relate to Lake Erie by placing an emphasis on elements that incorporate fish, boats and vegetation. Features will operate on either a continuous flow, constant flow pattern, or when activated by the packaged control system provided by the splash pad manufacturer. There are 16 features on an oval shaped concrete pad with a splash spray area of

approximately 1,000 square feet. The concrete area would total approximately 1,660 square feet with the five foot barrier around the perimeter of the splash spray area. The barrier prevents overspray onto the grass area surrounding the splash pad under normal operation.

The splash pad system includes the splash features, safe swap feature system, post activator, water supply/valve cabinets for 2-inch supply main and solenoid valves for control of each feature, playsafe drain, packaged control system, and a debris trap with rain diverter valve to direct the drain to either sanitary during timed operations or storm when the system is off. The debris trap with rain diverter valve may be eliminated if the splash pad drain can be directed to sanitary for both regular operations and during rain events when the system is off.

The City requested that B&L investigate turning the splash pad into an ice skating rink during the winter months. The ice skating rink would not include ice making refrigeration equipment, but would be a natural type with the area being flooded when the outdoor temperatures are sufficient to produce and maintain ice. The splash pad could be converted to an ice rink in winter, but would require some modifications to the splash pad equipment. The playsafe drain typically used for the splash pad system would be replaced with several basic deck drains. The drains would require custom covers be made to isolate the drain system during flooding.

The splash pad would also require several days of preparation by City forces to winterize the system. All of the above grade features would have to be removed and stored, and the ground sprays and drains capped. The anchors, drains, and ground sprays would require sealing with silicone to insure that no water penetrates the system. It would also be advisable to fill the

plumbing lines with antifreeze to prevent damage to the underground water supply and drain lines in case of a leak into the system. In the spring, the supply and drain lines would have to be drained and flushed, the antifreeze properly disposed of, the caps and silicone sealant removed, and the stored features reinstalled. If any portion of the system were to freeze due to leaks into the system, the repairs could include partial removal of the concrete splash pad to access below grade piping. In the alternative, the adjacent multi-use activity courts would be utilized for the ice rink in winter, instead of using the splash pad area.

Water Supply Evaluation

The proposed splash pad features will work in unison and will operate up to a maximum water demand of 75 gpm and an estimated total daily water usage of approximately 15,000 gallons over eight (8) hours of operation. There is existing water mains in close proximity to the area needed to supply the required capacity of water. A new 2-inch water service tap would be required along with a reduced pressure zone (RPZ) backflow prevention device to protect against the possibility of contaminants entering the existing potable water system from the splash pad area. A water pressure regulator is also proposed to maintain the splash pad equipment manufacturer's recommended water pressure range. The water service tap can be increased to a 3-inch service to meet water demands of a second splash pad, should the City determine that they may want to increase the splash pad area in the future.

Stormwater/Sanitary Drainage Pipe

The spray park play area is estimated to have an average daily usage of approximately 15,000 gallons per day with a maximum instantaneous demand of 75 gpm. To remove the water from the splash pad, a 6-inch gravity sanitary sewer drain line would be installed from the splash

pad playsafe drain to the debris trap manhole with rain diverting valve. The debris trap manhole will have one inlet pipe from the splash pad drain, and two pipe outlets, one to the existing storm sewer line and one to the existing sanitary sewer line adjacent to the site.

The storm sewer outlet within the debris trap manhole will be located above the sanitary sewer outlet. The rain diverting valve is an electrically actuated valve that would be powered and controlled to open and close the sanitary sewer outlet based on the operation of the splash pad. When the splash pad is energized and in use, the valve would be normally open to sanitary sewer outlet. When the splash pad is not operating, the valve to the sanitary sewer outlet would be closed and any storm drainage would be directed to the storm sewer main.

Lakeside Pavilion Restrooms

The City would like to upgrade the existing Lakeside Pavilion Restrooms for ADA (Americans with Disabilities Act) compliance. The restrooms are separated, one for Women and one for Men. The Women's room has three floor-mounted toilets with manual flush valves and one wall-mounted lavatory sink. The Men's room has two floor-mounted toilets with manual flush valves, a wall-mounted urinal with manual flush valve and one wall-mounted lavatory sink. The current fixture arrangement in both restrooms is not ADA compliant. The existing entrance area to the Men's Room is not wide enough to meet current ADA requirements, and the existing door to the Women's Room does not provide enough clearance in its current configuration.

In order to meet current ADA requirements, each toilet room would require new plumbing fixtures, new stall/partitions, a new door to the Women's room, and modifications to the entrance area of the Men's room. The number

of toilet fixtures would be reduced to two (2) fixtures in each restroom to accommodate wheelchair accessibility and other ADA space requirements. Each restroom would be equipped with one wall-mounted lavatory. It would also be recommended that the restrooms be painted as modifications to the existing walls and toilet partitions would leave unpainted areas.

Lakeside Pavilion/Restaurant Renovations

The existing Lakeside Pavilion roof is in fair condition and in need of replacement. The City would like to replace the existing asphalt shingled roof with a new metal roof. The City would also like to repaint the trim and panel areas of the building, as the surfaces are in fair condition. The renovations would include demolition of the existing roof, repair to roofing structure and eaves where damage may have occurred from roof leaks, and replacement with a standing seam type metal roof. The trim areas around doors, windows, eaves and panel openings would be repainted.

In addition to upgrading the building structure, site improvements are necessary to improve access and circulation. The Feasibility Study includes a new ADA accessible pedestrian plaza area consisting of concrete pavement and metal picnic table/umbrella structures. The pedestrian plaza would provide an area for visitors to enjoy meals from the restaurant, observe views of the lake, or simply sit and relax. The plaza would connect to the splash pad and multi-use activity court in addition to the existing parking area off of North Serval Street which is proposed to be resurfaced, striped, and curbed around the perimeter.

Multi-use Activity Court

As an additional element to the proposed splash pad, the Feasibility Study explored different innovative approaches to the placement of inclusive play opportunities.

Alternative play opportunities can be as simple as pavement graphics for hop-scotch, or as elaborate as code-compliant climbing equipment. Our design team worked with the City to identify some simple and cost-effective play opportunities.



Pavement Play Example

The multi-use activity court, in addition to the previous mentioned splash pad, would be located in the area of the existing ice rink. The current asphalt conditions are poor and would need to be removed. This Feasibility Study includes a full depth removal of the curbing, asphalt and sub base to ensure the new surface is constructed for longevity. The proposed activity court includes a brushed concrete pavement for slip resistance with a concrete curb boundary which would allow for a future ice skating rink if desired by the City. The pavement markings within the activity court would be a tough acrylic latex coating to achieve a non-skid surface, preventing slippery conditions on dry or wet court surfaces. The Feasibility Study design of this activity area includes a small scale futsal court, two pickle ball courts, two four-square areas and interactive play such as hop-scotch.

Creekside Nature Play Nodes & Bridge

The existing shared-use trail section along the creek within Wright Park provides an excellent location for free play, exploration and learning. Incorporating three nature play nodes between the shared use trail and creek is recommended along this section of trail, providing an integrated system of outdoor spaces that are safe, sustainable and stimulating for all ages and mobility levels.



Nature Play (Rochester Childfirst Network)

The nature play nodes consist of a triple ground hardwood or Engineered Wood Fiber base surface with placed and notched salvaged tree logs and stumps. The log and stump materials should be rot resistant hardwood species and should have a fall height that is compliant with safety standards. The close proximity of the nodes to the creek allows for educational opportunities of the local ecosystem through small interpretive signage panels. A small scale pedestrian bridge is included to provide a connection across the existing creek. The bridge should be a minimum 10-foot span, set on top of embankment, and constructed from materials that relate to the creek character.



Example Bridge (Romancing the Woods)

Lakeside Playground

Wright Park does not currently offer playground equipment other than swings. The existing open lawn area owned by the City, located west of the Park limits across North Serval Street, provides a scenic area for a manufactured playground structure. The Feasibility study includes an area of approximately 6,500 square feet for the playground components and surfacing. The playground would be designed as an inclusive system to provide elements for all ages and mobility levels. The playground area would consist of a triple ground hardwood or Engineered Wood Fiber base surface with manufactured play equipment and a swing set. Selection of the play equipment should relate to Lake Erie by placing an emphasis on elements that incorporate fish, boats and vegetation.



Example Playground (Miracle Recreation)

Rain Gardens & Stormwater Management

The proposed new rain gardens for stormwater management will capture and harvest runoff and snowmelt from the pavilion pedestrian plaza area and resurfaced parking area. The system also provides an opportunity to enhance the ecology by providing a functional landscape. The rain gardens will preserve, reveal, and

regenerate the natural systems while promoting environmental education and stewardship. The new stormwater management system will also provide a natural resource for birds, pollinators, and other wildlife through the use of native plants, shrubs and trees.



Example Rain Garden (Rochester)

4.0 Cost Analysis and Future Funding Opportunities

An overall phasing schedule was prepared based on City input, the current budget for near-term improvements, and needs of the community long-term. The Preliminary Opinion of Probable Costs can be found in [Appendix B](#).

Phasing

The concept design figures show three phases as part of the preliminary phasing schedule. The Phases depict the priority elements that were evaluated and estimated during this Feasibility Study as Phase 1. Phase 2 elements are those that could potentially be funded under the EPF grant but may require additional resources or grants. Phase 3 elements are design features that will require future alternate funding elements. Both Phase 2 and Phase 3 elements contain some features that were not identified during the original EPF grant application but are necessary to create the most cohesive and sustainable design by improving safety, accessibility and connectivity.

Those responsible for implementing this Plan's recommendations should monitor capital improvement plans to identify specific opportunities, coordinate outreach and education programs, and identify and follow through on relevant grant opportunities. Although, costs associated with constructing the Phase 2 and 3 facilities recommended in this study exceed available City resources.

To help alleviate this deficiency, this section identifies and discusses numerous sources which can be used to provide monetary assistance for funding the long-term development and improvement of the park.

Funding sources are available at the Federal and State level as well as private funding sources which can be used by local governments to implement these projects.

In the near-term (summer/fall 2017) there are several projects that could be advanced with City forces, including:

- repaving pathways in the park;
- basketball court improvements
- Creekside nature play;
- Repaving of East Pine Street; and,
- Baseball field dirt replacement

Other priority projects summarized in this Feasibility Study will likely require professional services such as survey, geotechnical, and design and should be advanced according to City and State procurement requirements.

Funding Opportunities

Included in [Appendix C](#) is a comprehensive list of recently announced programs under the Governor's 2017 Consolidate Funding Application program (CFA). It is recommended the City continue to pursue applicable State and Federal grant programs to implement projects that cannot be advanced under the current EPF funding budget or those that are outside of the City's annual Parks and Recreation budget.

5.0 Environmental Coordination

As projects evolve through future design and construction phases, various environmental permitting requirements may arise based on the level of disturbance for a given project and local, county and State regulatory protocols. Included in [Appendix D](#) are various permitting requirements the City may need to adhere to based on a particular project.



MAP LEGEND

- Parcel Boundary
- Wright Park
- Sanitary Sewer (approximate)
- Storm Sewer (approximate)
- Water Line (approximate)

0 150' 300' 600'

Graphic Scale (Feet)

WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN

City of Dunkirk, New York

FIGURE 1: EXISTING CONDITIONS

May 2017



- 1 ★ MULTI-USE ACTIVITY COURT**
 - » Existing: Asphalt ice skating area
 - » Proposed: Multi-purpose year-round combined splash pad and activity courts (i.e. pickle ball, futsal, court games, etc.)
- 2 ★ BASKETBALL COURTS**
 - » Existing: Basketball courts
 - » Proposed: Mill and resurface asphalt courts, repair existing lighting, repair backboards.
- 3 ★ CREEKSIDE NATURE PLAY NODES & BRIDGE**
 - » Existing: Scrub shrub creek buffer.
 - » Proposed: Selectively clear trees and shrubs. Cleared areas provide space for nature play nodes utilizing salvaged on-site materials. Construct pedestrian scale footbridge over existing creek.
- 4 ★ LAKESIDE PAVILION & RESTROOMS**
 - » Existing: Pavilion, M/W toilet rooms and seasonal hot dog concession.
 - » Proposed: Renovate restrooms to comply with ADA standards, exterior paint, new metal roof, storage and utility area improvements.
- 5 ★ LAKESIDE PLAYGROUND**
 - » Existing: Open lawn, passive park area.
 - » Proposed: New playground and associated amenities.
- 6 SECTION VI BASEBALL FIELD**
 - » Existing: Baseball field
 - » Proposed: New topsoil for infield (by City Forces currently underway)
- 7 SHARED-USE TRAIL NETWORK**
 - » Existing: Bike path within Wright Park.
 - » Proposed: Mill and resurface entire trail and enhance way finding signage. Construct new trail within gap areas.



- 8 PICNIC PAVILIONS**
 - » Existing: Picnic pavilions (single family size)
 - » Proposed: New metal roof, typ. for all
- 9 LAKESIDE VOLLEYBALL**
 - » Existing: Open lawn, passive park area.
 - » Proposed: Capitalize on expansive lake views for new beach volleyball courts.
- 10 ROADWAY EXTENSION**
 - » Existing: Road access and parking
 - » Proposed: Extend roadway to provide safe/continuous connection traversing the park and alleviate traffic on Pine Street.
- 11 TOILET ROOM BUILDING**
 - » Existing: M/W toilet rooms
 - » Proposed: Replace building to comply with ADA standards. Exterior paint and metal roof to match other improvements.
- A GATEWAY IMPROVEMENTS**
 - » Existing: Open intersection
 - » Proposed: Pavement graphics and texture to provide a welcoming gateway into the Park. Pedestrian crosswalk improvements and signage for safety, accessibility and connectivity.
- B CONTINUE PROMENADE**
 - » Existing: Promenade ends at North Serval Street.
 - » Proposed: Extend promenade to connect into the Park and to the North, as identified in the County's LWRP and City's BOA.
- C STORAGE BUILDING**
 - » Existing: Storage building.
 - » Proposed: Reconfiguration and renovations to existing M/W toilet rooms, exterior paint.

WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN

City of Dunkirk, New York

FIGURE 2: EXISTING INVENTORY & FUTURE OPPORTUNITY

May 2017

PRELIMINARY PHASING:

PHASE 1: CURRENT EPF #130205 FUNDED ELEMENTS

★ PROJECTS TO BE EVALUATED & ESTIMATED DURING FEASIBILITY PHASE

PHASE 2: POSSIBLE EPF #130205 FUNDED ELEMENTS

PHASE 3: FUTURE ALTERNATE FUNDING ELEMENTS



CURRENT EPF #130205 FUNDED ELEMENTS

- 1 Splash Pad, Concrete Surface
- 2 Utility & Valve Structure
- 3 Multi-use Activity Court, Concrete Surface (futsal, (2) 4-square, (2) pickle ball, pavement play, winter ice rink)
- 4 Rain Gardens for Stormwater Management
- 5 Resurfaced & Re-striped Parking
- 6 Lakeside Pavilion Renovations
- 7 Pavilion Pedestrian Plaza Area
- 8 Lakeside Playground

POSSIBLE EPF #130205 FUNDED ELEMENTS

- 9 Shared-use Path Network, Asphalt
- 10 Shade Structures & Picnic Tables
- 11 New Trees for Shade and Environmental Benefits

FUTURE ALTERNATE FUNDING ELEMENTS

- A Lakeside Pedestrian Plaza Area
- B Bioretention for Stormwater Management
- C Extend Promenade, Asphalt
- D Gateway Intersection Improvements
- E Enhanced Crosswalks



WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN

City of Dunkirk, New York

FIGURE 3: ENLARGED CONCEPT PLAN

May 2017





APPENDIX A

WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN



vortex-intl.com

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sample 01

View 1





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sample 01

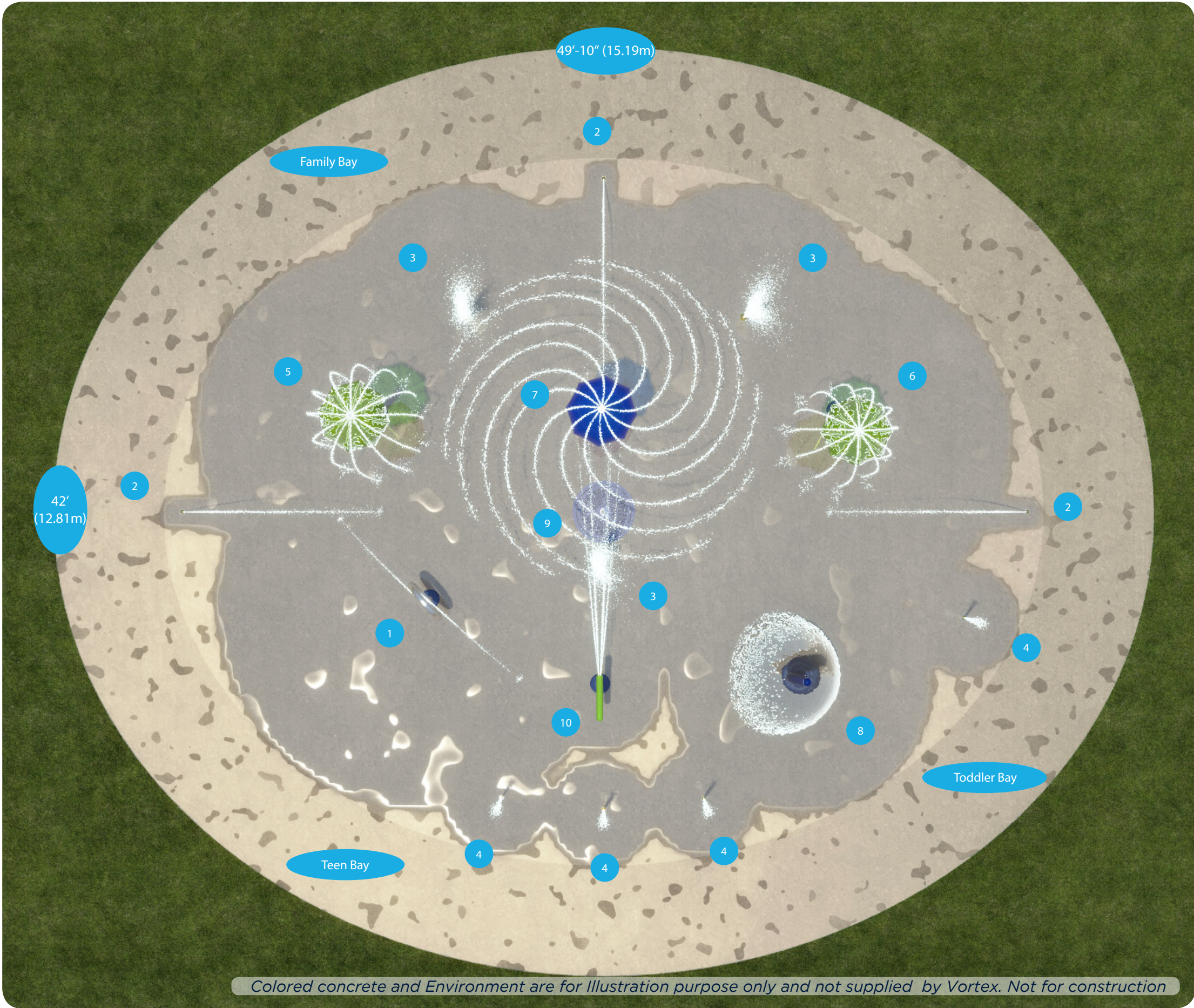
View 2



SPLASHPAD® COMPONENTS

Total area: 1664ft² (153m²)
Spray area: 1000ft² (93m²)

REF	PRODUCT	QTY	GPM	LPM
1	Bamboo Ring VOR 7787	1	2	7.6
2	Directional Jet N°1 VOR 305	3	6	22.7
3	Fountain Spray N°2 VOR 7676	3	9	34.1
4	Jet Stream N°1 VOR 7512	4	10	37.9
5	Ombrello N°2 VOR 7440	1	2.5	9.5
6	Ombrello N°3 VOR 7441	1	2.5	9.5
7	Ombrello Twirl N°1 VOR 7446	1	6	22.7
8	Silhouette N°1 VOR 7772	1	32.5	123
9	Smartpoint N°1 Foot VOR-190500R02	1	0	0
10	Tube N°1 VOR 220	1	4	15.1
TOTAL WATER FLOW		QTY	GPM	LPM
		17	74.5	282.1



sample 01

Top View Splashpad®





APPENDIX B

WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN

SUMMARY OPINION OF PROBABLE COST		
B&L JOB NO.		1901.002.001
DATE PREPARED:		5/4/2017
PREPARED BY:		NMC/SLW
CHECKED BY:		
City of Dunkirk Wright Park Amenities Project: Feasibility Analysis and Priority Action Plan EPF #130205		
ACTIVITY COURT	\$	471,500
LAKESIDE PAVILION	\$	207,000
CREEKSIDE NATURE PLAY NODES & BRIDGE	\$	46,000
LAKESIDE PLAYGROUND	\$	218,500
BASKETBALL COURT	\$	57,500
TOTAL	\$	1,000,500

Notes:

1. Design costs assume no significant environmental studies or impacts.
2. Approximately 15% contingency is assumed to cover rate of inflation over 18 months.
3. Assumes full-time construction inspection is not required.
4. Assumes construction is within City owned property.

PRELIMINARY OPINION OF PROBABLE COST

ACTIVITY COURT
(activity court, planting, splash pad)

B&L JOB NO. 1901.002.001
DATE PREPARED: 5/4/2017
PREPARED BY: NMC/SLW
CHECKED BY:

City of Dunkirk
Wright Park Amenities Project: Feasibility Analysis and Priority Action Plan
EPF #130205

ITEM	QUANTITY	UNIT	COST/UNIT	COST
Remove existing court asphalt, curb, subbase	1	LS	\$14,000.00	\$ 14,000
Subbase (8" depth)	360	CY	\$55.00	\$ 19,800
Concrete curb	590	LF	\$25.00	\$ 14,750
Concrete pavement (4" depth)	180	CY	\$350.00	\$ 63,000
Epoxy pavement striping (4" wide)	700	LF	\$0.75	\$ 525
Slip resistant court surface	4,460	SF	\$1.00	\$ 4,460
Rain gardens (excavation, soil, planting)	1,000	SF	\$50.00	\$ 50,000
Topsoil, reuse on-site materials	30	CY	\$25.00	\$ 750
Establishing turf	600	SY	\$1.75	\$ 1,050
Metal fence (separation between splash pad and activity court)	1	LS	\$3,000.00	\$ 3,000
Splash pad	1	LS	\$100,000.00	\$ 100,000
Utilities, valve structure & piping below grade	1	LS	\$35,000.00	\$ 35,000
Supply pipe below pad to features	1	LS	\$15,000.00	\$ 15,000
Electrical Service to Splash Pad System	1	LS	\$15,000.00	\$ 15,000
Work Zone Traffic Control	1	LS	\$1,000.00	\$ 1,000
Survey Layout	1	LS	\$2,500.00	\$ 2,500
Mobilization	1	LS	\$2,500.00	\$ 2,500
PROJECT CONSTRUCTION SUBTOTAL				\$ 350,000
Contingency (15%)				\$ 52,500
SUBTOTAL				\$ 410,000
Design Survey, Engineering, Permitting (15%)				\$ 61,500
PROJECT TOTAL				\$ 471,500

PRELIMINARY OPINION OF PROBABLE COST

LAKESIDE PAVILION & RESTROOMS(resurfaced asphalt parking, pedestrian plaza,
restroom renovations, roof, utility area)

B&L JOB NO.

1901.002.001

DATE PREPARED:

5/4/2017

PREPARED BY:

NMC/SLW

CHECKED BY:

City of Dunkirk

Wright Park Amenities Project: Feasibility Analysis and Priority Action Plan

EPF #130205

ITEM	QUANTITY	UNIT	COST/UNIT	COST
Remove existing concrete, asphalt, subbase	1	LS	\$9,000.00	\$ 9,000
Subbase (8" depth)	115	CY	\$55.00	\$ 6,325
Concrete pavement (4" depth)	60	CY	\$350.00	\$ 21,000
Asphalt top course (3" depth)	95	TON	\$110.00	\$ 10,450
Parking stop device	14	EA	\$300.00	\$ 4,200
Epoxy pavement striping (4" wide)	400	LF	\$0.75	\$ 300
ADA detectable warning unit	3	SY	\$400.00	\$ 1,200
Tables with umbrellas	7	EA	\$1,200.00	\$ 8,400
Topsoil, reuse on-site materials	25	CY	\$25.00	\$ 625
Establishing turf	500	SY	\$1.75	\$ 875
Toilet Room Wall Renovations to meet ADA	1	LS	\$5,000.00	\$ 5,000
New Women's Room Door (ADA compliant)	1	EA	\$1,500.00	\$ 1,500
Toilet Room Partitions	1	LS	\$4,500.00	\$ 4,500
ADA Grab Bars	1	LS	\$1,500.00	\$ 1,500
ADA Plumbing Fixtures w/Plumbing Rough-in	1	LS	\$20,000.00	\$ 20,000
ADA Compliant signage	1	LS	\$200.00	\$ 200
Demo of roof and new metal roof	1	LS	\$43,000.00	\$ 43,000
Exterior paint (trim, doors and panels only)	1	LS	\$2,500.00	\$ 2,500
Work Zone Traffic Control	1	LS	\$2,500.00	\$ 2,500
Survey Layout	1	LS	\$2,500.00	\$ 2,500
Mobilization	1	LS	\$2,500.00	\$ 2,500
PROJECT CONSTRUCTION SUBTOTAL			\$	150,000
Contingency (15%)			\$	22,500
SUBTOTAL			\$	180,000
Design Survey, Engineering, Permitting (15%)			\$	27,000
PROJECT TOTAL			\$	207,000

PRELIMINARY OPINION OF PROBABLE COST

CREEKSIDE NATURE PLAY NODES & BRIDGE
(nature play nodes, bridge, signage)

B&L JOB NO. 1901.002.001
DATE PREPARED: 5/4/2017
PREPARED BY: NMC
CHECKED BY:

City of Dunkirk
Wright Park Amenities Project: Feasibility Analysis and Priority Action Plan
EPF #130205

ITEM	QUANTITY	UNIT	COST/UNIT	COST
Selective clearing of shrubs	1	LS	\$5,000.00	\$ 5,000
Triple ground hardwood mulch 12" depth	54	CY	\$70.00	\$ 3,780
Nature play logs, stumps, boulders	1	LS	\$5,000.00	\$ 5,000
Pedestrian scale bridge (10-foot minimum span, set on embankment, wood material, for pedestrian use only)	1	LS	\$8,000.00	\$ 8,000
Interpretive/educational signage	3	EA	\$400.00	\$ 1,200
Work Zone Traffic Control	1	LS	\$1,000.00	\$ 1,000
Survey Layout	1	LS	\$1,000.00	\$ 1,000
Mobilization	1	LS	\$1,000.00	\$ 1,000
PROJECT CONSTRUCTION SUBTOTAL				\$ 30,000
Contingency (15%)				\$ 4,500
SUBTOTAL				\$ 40,000
Design Survey, Engineering, Permitting (15%)				\$ 6,000
PROJECT TOTAL				\$ 46,000

PRELIMINARY OPINION OF PROBABLE COST

LAKESIDE PLAYGROUND
(playground and signage)

B&L JOB NO. 1901.002.001
DATE PREPARED: 5/4/2017
PREPARED BY: NMC
CHECKED BY:

City of Dunkirk
Wright Park Amenities Project: Feasibility Analysis and Priority Action Plan
EPF #130205

ITEM	QUANTITY	UNIT	COST/UNIT	COST
Triple ground hardwood mulch 12" depth	245	CY	\$70.00	\$ 17,150
Playground structure and installation	1	LS	\$128,000.00	\$ 128,000
Interpretive/educational signage	3	EA	\$400.00	\$ 1,200
Topsoil, reuse on-site materials	20	CY	\$25.00	\$ 500
Establishing turf	400	SY	\$1.75	\$ 700
Work Zone Traffic Control	1	LS	\$1,500.00	\$ 1,500
Survey Layout	1	LS	\$1,500.00	\$ 1,500
Mobilization	1	LS	\$1,500.00	\$ 1,500
PROJECT CONSTRUCTION SUBTOTAL				\$ 160,000
Contingency (15%)				\$ 24,000
SUBTOTAL				\$ 190,000
Design Survey, Engineering, Permitting (15%)				\$ 28,500
PROJECT TOTAL				\$ 218,500

PRELIMINARY OPINION OF PROBABLE COST					
<u>BASKETBALL COURTS</u> (resurfaced and restriped courts)	B&L JOB NO. 1901.002.001				
	DATE PREPARED: 5/4/2017				
	PREPARED BY: NMC				
	CHECKED BY:				
City of Dunkirk Wright Park Amenities Project: Feasibility Analysis and Priority Action Plan EPF #130205					
ITEM	QUANTITY	UNIT	COST/UNIT	COST	
Mill asphalt top course	1,670	SY	\$5.00	\$	8,350
Asphalt top course (2" depth)	185	TON	\$110.00	\$	20,350
Epoxy pavement striping (4" wide)	1,000	LF	\$0.75	\$	750
Slip resistant court surface	15,000	SF	\$1.00	\$	15,000
Work Zone Traffic Control	1	LS	\$500.00	\$	500
Survey Layout	1	LS	\$500.00	\$	500
Mobilization	1	LS	\$500.00	\$	500
PROJECT CONSTRUCTION SUBTOTAL				\$	50,000
Contingency (15%)				\$	7,500
PROJECT TOTAL				\$	57,500

Notes:

1. Lighting and backboard repair costs are not included based on the need for further information.
2. Assume design and construction to be completed by City forces.



APPENDIX C

WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN

2017 NEW YORK STATE FUNDING OPPORTUNITIES

Empire State Development (ESD) Grant Program

2017 Funding: Up to \$150 Million available (No funding limits per project)

2016 Change: Decrease of \$25 Million from 2016

Funding Categories: Business Investment, Infrastructure Investment, or Economic Growth Investment

Criteria: Must be a municipality, business, or non-for-profit corporation, county, regional commission, etc. All required public approvals must be in place prior to the start of construction and approved by ESD Directors. Projects with public support, high likeliness of completion, the amount of private and public investment leveraged, estimated return on investment, the overall economic impact to the region and the correlation with the significant statewide programs will be favored.

Local Match Minimum: ESD seeks to provide no more than 20% of total project costs. Applicant must contribute a 10% minimum of total project costs (in the form of equity, contributed after the applicant's acceptance).

ESD Strategic Planning and Feasibility Studies

2017 Funding: Up to \$1 Million available (Max. per project: \$100K)

2016 Change: Same amount as 2016

Project Types: Preparation and development of strategic development plans for a municipality (or a significant part of a municipality) or studies, surveys, reports, and feasibility studies and preliminary planning studies to assess a particular site or facility for any economic development purpose other than residential (mixed-use facilities are permitted).

Criteria: Eligible applicants include municipalities; Priority will be given to projects located in highly distressed areas (ESD determines "highly distressed" as an area with poverty rate of at least 25%, high unemployment (at least 1.25x the statewide unemployment rate), and general economic distress based on former Empire Zone, significant job loss from one employer, area with a US Presidential declaration of disaster, etc.); Priority will be given to projects based on the economic impact of the project on the entire region, public/local government support for the project, clarity of work plan, the degree to which the project is leveraged, estimated return on investment, etc.

Local Match Minimum: ESD requires a minimum of 50% of total project costs in matching funds from the municipality, including at least 10% cash equity

Market New York

2017 Funding: 15 Million available (No funding limits per project)

2016 Change: Up 1.5 Million from 2016

Eligible Projects: Regional Tourism Marketing

- MWBE requirements must be met
- Funding may be used for media advertising, tourism center, website design, etc.
- ESD seeks to provide no more than 75% of financing for projects – an actual cash match of 25% of the total project cost is required
 - Funds from another State agency are ineligible for funding match requirement

Eligible Projects: Regional Tourism Capital

- Funding may be used for pre-development costs, remediation costs, acquisition of an existing business and/or assets, new construction, renovation, or leasehold improvements
- ESD seeks to provide no more than twenty percent – an actual cash match of 80% of the project costs is required

Eligible Projects: Regional Tourism Special Events

- Eligible expenses include fees paid to artists, performers etc., fees paid for audio/visual support, site expenses and service, improved accessibility services, etc.
- If the project plan includes any tourism capital expenditures - an actual cash match of 80% of the total project costs is required
- If the project plan includes only tourism marketing expenditures – a match of at least 25% of the total project cost is required
- Project plan should include evidence that the project will increase tourism to and within NYS, a timeline for individual project steps, a clear budget indicating specifically how the grant funds and the grantee entity will be spent, performance measures to show economic impact, and the ability for the project to align with the goals and strategies of I LOVE NY (increasing the perception and consideration of NYS as a travel destination, increasing visitation and creating a positive economic impact); special consideration will also be given to projects providing information demonstrating project partnerships through regional collaboration and tourism special events that are new event

Dept. of Ag. & Markets – NYS Grown & Certified Ag. Producers Grants

2017 Funding: \$5 Million available

2016 Change: New for 2017

Goals: Assist NYS agricultural producers with the capital costs of meeting food safety standards and increase participation in the NYS Grown & Certified Program.

Distribution Across NYS: Awards of \$500,000 to a single entity in each REDC (up to 15% of which can be allocated to administration)

Criteria: Degree to which the applicant demonstrates the ability to market and promote the program to achieve maximum agricultural producer participation; proposes to successfully deliver the program and achieve the program goals and objectives; experience in delivering regional grant and/or loan programs; and Reasonableness of administrative costs. Proposed projects that are part of Significant Statewide Programs will be looked upon favorably.

Local Match Minimum: At least 10% of total project costs is required as match.

Award Range: Up to \$50,000 to each eligible agricultural producer.

New York State Council on the Arts – Arts and Culture Initiatives

2017 Funding: Up to \$5 Million available

2016 Change: Same funding as 2016

Goals: Enhance and transform the cultural and economic vitality of New York State communities

Categories of Support: Arts, Culture and Heritage New Initiatives – Planning and Arts, Culture and Heritage New Initiatives - Implementation

Criteria: Local Governments are eligible; planning grants projects should fall into one of the following categories – Arts and Culture Mapping, Arts and Cultural Master Plan, or Arts and Cultural Branding or Marketing Plan; implementation grants should fall into one of the following categories – Erie Canal Bicentennial Celebration, Women’s Suffrage Commemoration, or NYSCA Planning Grants, workforce investment grants should fall into one of the following categories – Administrative Position, Artistic Positions, Arts Center Development Fellowship for Underrepresented Communities, or Resident Artist Position; Proposed projects that are part of Significant Statewide Programs will be looked upon favorably.

Local Match Minimum: For planning grant: No match required; for implementation grants: 50% cash match, for workforce investment 25% cash match required.

Award Range: For planning grant: \$10,000 - \$49,500; for implementation grants: \$10,000 - \$75,000, for workforce investment - \$25,000 - \$49,500.

New York State Council on the Arts/ESD – Arts & Cultural Facilities

2017 Funding: \$20 million available

2016 Change: New since 2016

Goals: Strengthen tourism,; promote business development; and improve the quality, efficiency, and accessibility of NYS arts and cultural organizations through targeted investments

Eligible Activities: Funding is available for, but not limited to, renovations and/or expansions of space(s) that are open to the public; modifications to provide for sustainable, energy efficient spaces that would result in overall cost savings; accessibility renovations; as well as technology and other equipment that would benefit the public. Eligible costs include: acquisition of real estate, new construction, renovation, expansion of leasehold improvements, acquisition of fixed capital equipment; acquisition of fixtures; soft costs (up to 15% of total project costs); design studies relevant to a specific capital project including conceptual, schematic, and design development through construction documents.

Criteria: Artistic/Programmatic Excellence 15 pts; service to the Public 15 pts; Timeline & Performance Measures/Metrics 20 pts; Increased Economic Impact 20 pts; Budget & Grant Match Requirement 10 pts; Regional Council Score 20 pts

Local Match Minimum: 50% match required

Award Range: \$500,000 minimum.

Community Development Block Grant Program

2017 Funding: \$20 Million available

2016 Change: Decrease of \$5 million from 2016

Eligible Activities: For public infrastructure – drinking water, clean water, stormwater, or public works; For public facilities – structures to house or serve special-needs populations, or multi-purpose buildings housing several qualifying activities; For community planning – community needs assessment or preliminary engineering reports; For microenterprises – acquisition of property, financing or machinery,

Criteria: Funding provided for **small** communities and counties to develop viable communities by providing decent housing and a suitable living environment by expanding economic opportunities, for persons with low and moderate income; Priority will be given to applicants that demonstrate a clearly defined need, address specific community and economic development priorities, meet the objectives of NYS CDBG program, demonstrate they have satisfied all administrative and regulatory requirements to proceed immediately upon award, present a project budget that effectively leverages other investments, and meet the desires of the Significant Statewide Programs.

Local Match Minimum: Public Infrastructure and Public Facilities – 0% match required; Community Planning – 5% of the total project cost must be provided as a cash match; Microenterprises – 10% owner equity contribution.

Maximum Funding Limits: Public Infrastructure \$750,000, Joint Applicants – Public Infrastructure \$900,000, Projects with NYS Co-funding \$1,000,000; Public Facilities \$300,000; Municipality – Microenterprise Programs \$200,000 (individual grant amount to business between \$5,000 - \$35,000), Municipality – Planning \$50,000

New York Main Street Program

2017 Funding: \$6.2 Million

2016 Change: Funding increased \$1.2 million from 2016

Eligible Applicants: Local Government or Not-for-profits

Eligible Activities: Traditional NYMS Target Area Building Renovation Projects - includes building renovations, streetscape enhancement, administration, or project delivery; NYMS Downtown Anchor Project – administration or project delivery; NYMS Downtown Stabilization Program –funds available for environmental remediation and associated construction cost, as well as other innovative approaches to stabilizing and developing downtown, mixed-use buildings.

Criteria: Applicants must be located in an eligible target area, and must clearly identify how the target area meets the following: an area that has experienced sustained physical deterioration, decay, neglect, or disinvestment; has a number of substandard buildings or vacant residential or commercial units; and in which more than 50% of the residents are persons whose incomes do not exceed 90% of the area MHI for the county or MSA in which the project is located, or which is designated by a state or federal agency to be eligible for a community or economic development program; Applicants are required to include a Target Area Map to identify the location of the proposed target area; Priority will be given to “shovel ready” projects service area should include mixed-uses, preference for proposals where contiguous buildings will be assisted, and the applicants ability to successfully demonstrate broad local support and linkages between the proposed project and local planning and development efforts.

Matching Fund Requirements: 75% of total project costs can be reimbursed for all projects

Maximum Funding Limits: Traditional NYMS Target Area Building Renovation Projects – between \$50,000 and \$500,000; NYMS Downtown Anchor Project – between \$100,000 and \$500,000; NYMS Downtown Stabilization Program – between \$50,000 and \$500,000.

Office of Parks, Recreation & Historic Preservation (OPRHP) – Environmental Protection Fund (EPF) Municipal Grants Program for Parks, Preservation and Heritage

2017 Funding: \$20 Million

2016 Change: Same as 2016

Eligible Applicants: Local Government, Not-for-profits, public authorities, state agencies

Eligible Activities: Funds available for the acquisition, planning, development, and improvement of parks, historic properties, and heritage areas in NYS

Criteria: Half of the total awards given will be going to inner city/underserved areas; Applicants must has an ownership interest in the project property; if applicant is not the property owner funds may only be used for planning purposes; Long term protections will be placed on the property; successful applicants will submit a project that has not begun work until the project contract has been fully executed; Priority will be given to projects that clearly demonstrate the impact of the project, community support, and the Commissioner’s priorities for the grant program (5% scoring bonus given to projects located in the Hudson River Valley Greenway Compact).

Maximum Funding Limits: Grants can fund 50% of total project costs & up to 75% is project is located in a high-poverty area – Grant awards are capped at \$500,000.

Office of Parks, Recreation & Historic Preservation (OPRHP) – National Recreational Trails Program

2017 Funding: \$1.9 Million

2016 Change: Not available in 2016

Eligible Applicants: Local Government, Not-for-profits, public authorities, state agencies

Eligible Activities: Funds available for the acquisition of land; project planning for ADA compliance; design & development, archaeological reporting; new construction or renovation; purchase and installation of trail amenities; purchase/lease of equipment

Criteria:

- A. Project provides for innovative recreational trail corridor sharing for motorized and/or non-motorized use (maximum 5 points)
- B. Project provides for motorized and/or non-motorized use that will enhance the quality and quantity of recreational trail opportunities (maximum 5 points)
- C. Project provides development of urban trail linkages (maximum 4 points)
- D. Project is identified as a component of a statewide or national trails system, or furthers a specific goal of SCORP or the Statewide Trails Plan or a local trail plan (maximum 5 points)
- E. Index of Need – based on the "Relative Index of Needs" table in SCORP (maximum 5 points)
- F. Citizens were/will be involved in proposal conception and implementation (maximum 3 points)
- G. Project ties into other trails, greenways, scenic corridors, or natural, cultural, historical and recreational areas (maximum 4 points)
- H. Volunteer labor, non-traditional labor and other certified donations will be used to accomplish this project (maximum 6 points)
- I. Project will utilize existing corridors; (railroad right-of-way, canal towpath, utility lines, publicly owned river valleys or highland ridges, parkways, etc.) (maximum 3 points)
- J. Project will improve the continuity of a trail system (maximum 4 points)
- K. Project budget is reasonable, justified and cost-effective. (maximum 18 points)
- L. Project addresses federal program initiatives (maximum 6 points)
- M. Project advances the Downtown Revitalization Initiative, Veterans' Initiative, or Opportunity Agendas of the Regional Economic Development Councils (maximum 2 points)
- N. Regional Economic Development Council Assessment (maximum 20 points)

Maximum Funding Limits and Match: Grants can fund 80% of total project costs – Grant awards are capped at \$200,000.

DOS – Local Waterfront Revitalization Program (LWRP)

2017 Funding: \$15.2 Million

2016 Change: Funding decreased \$4.3 million from 2016

Eligible Applicants: Local Government located along New York's coast or designated inland waterways

Eligible Activities: Funding available for planning, feasibility, design, or marketing of specific projects, and construction projects, to advance the preparation or implementation of strategies for community and waterfront revitalization through the following categories: Preparation or implementation of a LWRP, updating an LWRP to mitigate future physical climate risks, redeveloping hamlets, downtowns, and urban waterfronts, planning or constructing land and water-based trails, preparing or implementing a lake wide or watershed revitalization plan, implementing a community resilience strategy, or celebrating the bicentennial of the Erie Canal – Improving public waterfront access for canal communities.

Criteria: Approximately \$10,000,000 will be spent for projects which are in, or primarily serve, areas where demographic and other relevant data demonstrate that the areas are: densely-populated and have sustained physical deterioration, decay, neglect, or disinvestment, or where a substantial proportion of the residential population is of low income, or is otherwise disadvantaged and is underserved with respect to the existing recreational opportunities; Funding priorities will be given to projects that revitalize communities and waterfronts and also advance the Downtown revitalization Initiative, or another Significant Statewide Program; Projects will be evaluated for the following criteria: Vision, Process, Strategies, Implementation, Leveraging, Performance Measures, Evaluation of Budget and Cost, and Funding Priorities.

Local Match Requirements: Match required is 25% of the total project cost. (Used to be 50%)

Canalway Grants Program

2017 Funding: \$1 Million

2016 Change: Same funding 2016

Eligible Applicants: Local Government

Eligible Activities: Eligible project include: constructing new buildings, vessels or structures, constructing additions or improvements that enlarge, expand, enhance or extend existing buildings, vessels or structures; New systems in existing buildings, vessels or structures; Substantial renovations or preservation of existing buildings, vessels or structures, including reconfigurations; Site preparation and improvements associated with a project; Acquisition of furnishings, fixtures, machinery and equipment with a useful life in excess of 5 years; Constructing or rehabilitating segments of Canalway trail; Constructing or rehabilitating dock or bulkheads for the purpose of public access to and from the Canal System; and/or hazardous waste clean-up associates with a project.

Criteria: Priority will be given to projects that are intended to further the goals and objectives of the NYS Canal Recreationway Plan and Regional Economic Development Council Strategic Plans; Projects that recognize and support the bicentennial of the Erie Canal between 2017 and 2025 and result in noteworthy and sustainable recognition of the Canal System's significance, relevance, and heritage during and after 2017-2025 bicentennial of Erie Canal construction; Priority will also be given to those projects that align with the goals of the Significant Statewide Programs

Local Match Requirements: 50% match will be required on all grants

Award Limitations: Requests must be between \$25,000 and \$150,000

NYSERDA Energy Efficiency Programs

2016 Funding: \$40 Million

2015 Change: \$20 Million decrease from 2016

Eligible Applicants: NYSERDA Flexible Technical Assistance - Local Government, schools, and commercial and industrial facilities eligible; Small Commercial Energy Efficiency Programs: Energy Assessments – Small businesses or non-for profits; NYSERDA – Commercial New Construction Program (CNCP) – State and Local governments; NYSERDA – Commercial Implementation Assistance Program (CIAP) – Municipalities, State agencies, facility owners.

Eligible Activities: NYSERDA Flexible Technical Assistance - Energy feasibility studies, Master Planning, Industrial Process Efficiency, Data Centers, Combined Heat and Power, and Farm Energy Audits; Small Commercial Energy Efficiency Programs: Energy Assessments – Lighting, Lighting controls, Heating, Ventilation, Air Conditions, etc.; NYSERDA – CNCP – New buildings or space within a new building, or substantial renovations to existing buildings where the space has been, or will be, vacant for at least 30 consecutive days, or where there is a change of use; CIAP – Advance clean energy or underutilized technologies, deep-energy savings projects, or systems-based projects that expand the diversity of measures and depth of savings.

Criteria: NYSERDA Flexible Technical Assistance - Applications are accepted on a first-come, first serve basis until funds are exhausted; Customers must be contributing to the Systems Benefits Charge (SBC) on their electric bill or utility bill in order to be; Small Commercial Energy Efficiency Programs: Energy Assessments – Customers should have an average electric demand of 100kW or less are eligible to participate; Applications are accepted on a first-come, first serve basis until funds are exhausted; NYSERDA – CNCP – Applications are will be equally considered, applications should be submitted in the early schematic design phase or sooner, but will be awarded on a first-come, first serve basis; CIAP – first-come, first serve basis.

Local Match Requirements: NYSERDA will contribute 50% of the eligible study costs

New York Power Authority – ReCharge New York

2017 Amount Available: Up to 157 Megawatts

2016 Change: Increased wattage funding of 7 MW

Eligible Applicants: Businesses or Non-Profits who plan to expand in or are looking to relocate to NYS

Eligible Activities: Program is designed to retail or create jobs through allocations of low cost electricity

Criteria: Awards will be granted on a competitive application process based on legislative criteria; recommended allocation awards must be approved by the Economic Development Power Allocation Board and the New York Power Authority Board of Trustees

New York DEC/EFC Wastewater Infrastructure Engineering Planning Grant Program

2017 Funding: \$3 Million

2016 Change: Increased by \$1 million since 2016

Eligible Applicants: Municipalities with Median Household Income (MHI) of \$85,000 or less in Long Island, NYC, and Mid-Hudson Regions; MHI of \$65,000 in rest of state

Eligible Activities: Priority will be given to municipalities proposing planning projects that are: required by an executive Order on consent, required by a SPDES permit, upgrading or replacing an existing wastewater system, constructing a wastewater treatment s and/or collection system for an unsewered area, or identified in a Total Maximum Daily Load implementation plan.

Criteria: Smart Growth alternatives must be considered and documented in the engineering report

Funding Details: There are three “options” for grant awards: Option 1 - \$30,000 grant, population of municipality is 50,000 residents or less according to the 2013 ACS, any wastewater infrastructure-relates project is acceptable, engineering report is due within 9 months of grant agreement execution; Option 2 - \$50,000 grant, population of municipality is greater than 50,000 residents according to 2013 ACS, any wastewater infrastructure-relates project is acceptable, engineering report is due within 9 months of grant agreement execution; Option 3 - \$100,000 grant, no limit on population size, grant only for wastewater infrastructure inflow and infiltration issues as a result of an Order on consent or SPDES Permit compliance schedule, engineering report is due within 1 year of grant agreement execution.

Local Match: Applicant match funds must be at least 20% of the requested grant amount

Climate Smart Communities Grant Program

2017 Funding: \$10 Million

2016 Change: Decrease of \$1 million since 2016 program

Eligible Applicants: Municipalities

Eligible Activities: Projects fall into two categories: 1. Climate Protection Implementation Projects – Construction of natural resiliency measures, relocations or retrofit of climate-vulnerable facilities, conservation or restoration of riparian areas and tidal marsh migration areas, reduction of flood risk, clean transportation, or reduction or recycling of food waste; 2. Certification Projects – funding may be used for projects that will lead to identification of climate protection implementation projects

Criteria: Implementation Projects – grant funding should be used for implementation activities that focus on decreasing community vulnerability in the face of changing climate, or reduce greenhouse gas emissions; Certification Projects – CSC status, project readiness, financial hardship, effectiveness of response to climate change, consistency with local plans, community health, reasonableness of cost, and regional economic development priority will determine which projects receive the most points

Funding Details: Implementation Projects – funding requests must be between \$10,000 and \$2,000,000; Certification Projects - funding requests must be between \$10,000 and \$100,000

Local Match: Projects must have a local match equal to 50% of the eligible project costs.

Water Quality Improvement Project Program (WQIP)

2017 Funding: \$87 Million Available (Max. per project: \$5 million depending on type)

2016 Change: Increased by \$61 million since 2016

Eligible Projects: Non-agricultural Nonpoint Source Abatement and Control, Wastewater Treatment Improvement, Aquatic Habitat Restoration, or Municipal Separate Storm Sewer Systems (MS4s)

Non-agriculture Nonpoint Source Abatement and Control

Eligible Applicants: municipalities and soil and water conservation districts

Eligible Projects: Nonpoint Source Best Management Practices (BMPs)

- Decentralized Wastewater Treatment Facilities for Failing On-Site Treatment Systems
- Green Infrastructure Practices
- Green Infrastructure Practices Great Lakes
- Stormwater Retrofits
- Stream Stabilization/Restoration
- Riparian Buffers
- In-Waterbody Controls for Nutrients

Priorities: Projects identified in TMDL Implementation Plan, 9-element Watershed Plan or Waterbody Inventory/Priorities Waterbodies List as “precluded” or “impaired”

- Local Match: at least 25% of requested amount
- Planning and Design costs are not eligible

Wastewater Treatment Improvement

Eligible Applicants: municipalities

Eligible Projects: Wastewater Effluent Disinfection or general wastewater infrastructure improvements

Local Match: at least 15% of the requested grant amount; Engineering, design, legal fees, construction, etc. no an eligible cost

Aquatic Habitat Restoration

Eligible Applicants: municipalities, not-for-profit corporations and soil and water conservation districts

Eligible Projects: work must focus on improving aquatic habitat connectivity at road/stream crossings or dams, with the primary intent to improve the natural movement of biota

Local Match: at least 25% of requested amount; Planning and Design costs are not eligible

Municipal Separate Storm Sewer Systems (MS4s)

Eligible Applications: regulated traditional MS4s, municipalities, and soil and water conservation districts

Eligible Projects: Development of retrofit plans for existing unmanaged and/or inadequately managed stormwater runoff to MS4 discharging to impaired watersheds with approved TMDLs; Comprehensive system mapping/program mapping

Local Match: at least 25% of the requested amount

Ineligible costs: indirect costs are not eligible (ex. Office supplies, rental office space, utilities, etc.)

Green Innovation Grant Program (GIGP)

2017 Funding: \$15 Million available

2016 Change: \$5 Million more than 2016

Eligible Applicants: Municipalities, inter-municipal, interstate agencies, and state agencies

Eligible Projects: Bioretention, construction or restoration of wetlands, floodplains, or riparian buffers, downspout disconnections, green roofs and green walls, permeable pavement, stormwater harvesting and reuse, stormwater street trees/urban forestry programs, and stream daylighting

Selection Criteria: Measurable improvement or protection of water quality, Addressing or demonstrating solutions to regional water quality issues, Reducing flow to combined sewer system, Likelihood of project success and the extent to which the project spurs innovation.

Funding Parameters: 10% local match requirement, no limit per project

Application Requirements: Legal right to own, operate, and maintain project, compliance with Smart Growth Infrastructure Act of 2010, completion of State environmental and historic preservation reviews (SEQR and SHPO), detailed final budget, application should be strongly aligned with Regional Council Goals.



APPENDIX D

WRIGHT PARK | FEASIBILITY STUDY AND PRIORITY ACTION PLAN

City of Dunkirk- Wright Park Improvements
Project Number: 1901.002.001
Environmental Review Notes

1. Threatened and Endangered Species Review

- Federally-Protected Species
 - Northern long-eared bat reported in project area by U.S. Fish and Wildlife Service (USFWS)
 - Clearing of trees greater than 3-inches in diameter should be completed between October 1 and March 31 during bat's hibernation period to avoid impacting bat population.
- State-Protected Species
 - Site not highlighted in New York State Department of Environmental Conservation (NYSDEC) Environmental Resource Mapper as containing rare plants or animals, or significant natural communities
 - Information request submitted to NY Natural Heritage Program on 5/9/17 for confirmation. Anticipate response within 3-4 weeks.

2. Wetlands

- State-Regulated (NYSDEC) Wetlands
 - No State wetlands mapped in project area or within 100-feet of site, which would extend their regulated adjacent area onto the site.
 - Closest NYSDEC wetland (DU-2) is about 1.6 miles southeast of the project area.
- National Wetland Inventory (NWI) Mapped Wetlands (Not regulatory boundaries but indicated potential federally-regulated wetlands)
 - No NWI wetlands mapped on the project site
 - Lake Erie is mapped L2UBH- adjacent to project area.
 - Forested/scrub-shrub wetlands mapped about 700 feet east of the project area—PSS1/EM5E & PFO1/SS1E complex
- Federally-Regulated Wetlands

- Requires on-site assessment to determine if wetlands are present on the site
- Discharge of fill into federally regulated wetlands requires a permit from the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act

3. Surface Waters

- State-Mapped (NYSDEC) Streams
 - One Tributary to Lake Erie (Waters Index No. E-33) is mapped crossing through the park.
 - This stream has a C classification and standard.
 - Not protected under the NYSDEC Protection of Waters Program due to C Classification
 - NYSDEC permit not required for disturbances in this stream
 - Lake Erie—adjacent to the park, the lake has an A-Special classification and standard (special classification because it is an international boundary water).
 - All work in this waterbody is regulated under the NYSDEC Protection of Waters Program
 - Permit required from NYSDEC
- Federally-Regulated (USACE) Waters of the U.S.
 - NYSDEC-mapped stream likely a Water of the U.S.
 - Lake Erie a Water of the U.S. and a Traditionally Navigable Water
 - Unmapped tributaries to Lake Erie, if present on the site, would also be Waters of the U.S.
 - The discharge of fill into Waters of the U.S. requires a permit from the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act
 - Work in a Traditionally Navigable Water requires a permit from USACE under Section 10 of the Rivers and Harbors Act

4. Coastal Zone

- The majority of the project site is within the Coastal Zone regulated by the New York State Department of State (DOS)
- Work in the Coastal Zone requires submitting documentation of Consistency with the Local Waterfront Revitalization Plan to the DOS.

5. Flood Mapping

- The 100-year flood boundary of Lake Erie extends onto the shoreline of the project area and could limit development activities that might raise the flood elevation.

6. Cultural Resources

- A review of the State Historic Preservation Office's (SHPO) Cultural Resource Information System (CRIS) website indicated that the project area is mapped as an archaeologically sensitive area.
 - Formal consultation with CRIS should be conducted to determine potential for archaeological resources to be present on the site.
 - Partially dependent on previous subsurface disturbances
 - May require Archaeological Assessments to confirm absence of resources on site and obtain a "No-Effect" letter from SHPO.