Erie Waterfront Master Plan

Erie Western-Pennsylvania Port Authority

Erie, Pennsylvania
AGENDA

- Master Plan Process
- Historic Changes to the Bayfront
- Existing Land Conditions
- Existing Land Use Analysis
- Proposed Land Use
- Master Plan
- Master Plan Recommendations
- Question / Comments
- Review Master Plan in Lobby
GOAL
Create a clear vision for development on the Erie Waterfront over the next 10 years that supports the Erie-Western Pennsylvania Port Authority’s Mission: “To promote industrial, commercial, and recreational opportunities for the citizens of Pennsylvania on Presque Isle Bay and adjacent waters.”

PROCESS
- Update Survey / Existing Conditions of Erie Bayfront
- Evaluate & Document Projects in Planning Stages
- Analyze Existing Conditions and Land Uses on Bayfront
- Develop Conceptual Ideas for Future Land Use
- Interview Key Persons Throughout Process/Study Committee Reviews
- Present Ideas to the Community for Additional Input
- Develop Preliminary and Final Master Plan Draft
- Present Final Draft Plan to Community
- Summarize Master Plan - Executive Report with Cost Opinions & Phasing
CHANGES TO THE BAYFRONT

LAWRENCE PIER

&

NIAGARA PIER
CHANGES TO THE BAYFRONT

SASSAFRAS PIER
&
CANAL BASIN
EXISTING CONDITIONS
OPPORTUNITIES

- Abundant Public Waterfront Access
- Generous amount of Public Spaces
- Well-designed Trails
- Industrial / Working Port in Remote Location with Space for Expansion
- Variety of Public and Private Boat Launch Locations

EXISTING LAND USE & CIRCULATION ANALYSIS
EXISTING LAND USE & CIRCULATION ANALYSIS

CONSTRAINTS

- Disconnected Spaces
- Underutilized Areas
- Limited East-West Connections on Bayfront
- Lack of Connections from Bayfront to Downtown and Neighborhoods
- Bayfront Parkway lacks ‘Parkway’ Feel
- Minimal Housing / Commercial / Retail Options
PROPOSED
LAND USE & CIRCULATION SOLUTIONS

- Increase and Enhance Public Spaces
- Develop Contiguous Public Space Connections
- Expand Industrial/Working Port Facilities as Opportunities Arise
- Maintain Marina Facilities along the Bayfront
- Create Mixed-use Development Areas including a Distinctive Central Bayfront District
- Connect the Bayfront to Downtown Erie and Nearby Neighborhoods
- Establish a True Parkway along the Bayfront
PROPOSED LAND USE & CIRCULATION SOLUTIONS

CENTRAL BAYFRONT DISTRICT

LEGEND
- PUBLIC SPACE
- COMMERCIAL / RETAIL
- MARINA / BOAT ACCESS
- RESIDENTIAL
- MIXED USE DEVELOPMENT
- PUBLIC UTILITY
- INDUSTRIAL / PORT
MASTER PLAN

- Public Access
- Recreational Spaces
- Social Spaces
- Local Character
- Economic Development
- Historical and Cultural Resources
- Environmental Sustainability
- Accessibility

CIRCULATION & LANDUSE
PEDESTRIAN CIRCULATION

PEDESTRIAN CROSSWALKS & BRIDGES

Recommendations

PEDESTRIAN BRIDGES
- Cascade Street
- Sassafras Street
- French Street

ON-GRADE CROSSWALKS
- Cranberry Street
- Liberty Street
- Erie Water Works
- State Street
- Holland Street
- AW Blockhouse

LEGEND
- ON-GRADE PEDESTRIAN CROSSED
- IMPROVEMENTS
- STAIRS FROM BAYFRONT PARKWAY TRAIL TO 6th STREET
- LIBERTY STREET EXTENSION - PEDESTRIAN CROSSED ON-GRADE
- PEDESTRIAN BRIDGE LOCATION POSSIBILITIES
PEDESTRIAN CIRCULATION

PEDESTRIAN CROSSWALKS

- Immediate Solutions Due to Costs
- Traffic Lights or Flashing Crossing Lights
- Pedestrian Crossing Signage
- Pavement Texture and Color
- Raised Crosswalks
- Pedestrian Amenities - Trash Containers - Benches - Landscaping
- Widened Pedestrian Landings at Crosswalks
- Sidewalks and Trails Extended to Crosswalks
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PAVEMENT COLORS / PATTERNS
OVER-HEAD SIGNS / LIGHTS
WIDENED XWALK LANDING/FURNISHINGS
LIBERTY PIER DRIVE
ON-GRADE CROSSWALKS
EXISTING TRAIL
PROPOSED TRAIL CONNECTIONS
PEDESTRIAN CIRCULATION
PEDESTRIAN CROSSWALKS
LIBERTY PIER
BAYFRONT PARKWAY
EXISTING TRAIL
LIBERTY PIER DRIVE
ON-GRADE CROSSWALKS
PEDESTRIAN CROSSWALK LANDINGS
PEDESTRIAN CIRCULATION
PEDESTRIAN CROSSWALKS

Crosswalk with Pedestrian Island

Cranberry Street at Bayfront Parkway

PEDESTRIAN ISLAND
PEDESTRIAN CIRCULATION
PEDESTRIAN CROSSWALKS

- Develop as Major Pedestrian Connection to Bayfront
- Expanded Pedestrian Landings at Corner
- Decorative Pavement Improvements in Intersection
- Decorative Lighting
- Pedestrian Scale & Amenities
- Landscape Plantings

State Street at Bayfront Parkway
More Direct and Safer Connections Across Parkway
Opportunity to Negotiate Elevation of Bluff and Bayfront
Avoid Blocking Views of Bayfront
Designs should be Complimentary to Bayfront Character
All must be Accessible
PEDESTRIAN CIRCULATION
TRAIL AND SIDEWALK CONNECTIONS

- Connect Downtown, Neighborhoods, and Bayfront
- Connect Existing Trail Systems
- Connect Trails and Sidewalks to Proposed Crosswalks
- Connect Trails to Attractions & Public Spaces along Bayfront
Recommendations

- Stairs and Trail 6th Street
- Cranberry to Poplar Street Promenade Trail
- Connection to Cascade Bridge-Liberty Crosswalk
- Pedestrian Bridge to Promenade Trail
- Cascade Creek Wetlands Trail
- Promenade Trail to Water Works
- Bay Harbor Area to Chestnut Street Boat Launch
- Water Works to Convention Center
PEDESTRIAN CIRCULATION
TRAIL AND SIDEWALK CONNECTION

Recommendations

- Bayfront Trail to Holland Street via RR Underpass
- Trailhead & Access to Anthony Wayne Blockhouse
- Water Edge Trail & Overlooks at Lampe Marina
- Bayfront Trail Extension to Land Lighthouse
- Ore Dock Road to Port Access Road
VEHICULAR CIRCULATION
ROADWAY ENHANCEMENT, PARKING & TRANSPORTATION

Recommendations

- Bayfront Parkway Enhancements
- State Street Enhancements
- Bayfront Roadway & Trail Extension near Chestnut St. Boat Launch
- Liberty Street Extension to Parkway Study
- Implement Intermodal Transportation Concepts
- Expanded Use of Parking Garages on Bayfront
VEHICULAR CIRCULATION
BAYFRONT PARKWAY ENHANCEMENTS

Landscape Median on Bayfront Parkway
- Traffic Calming
- Visual Enhancement
- Function more as a Parkway
- 6th Street to Port Access Road

SOFTEN WALLS

REDUCE VISUAL WIDTH
VEHICULAR CIRCULATION
BAYFRONT PARKWAY ENHANCEMENTS

Landscape Median on Bayfront Parkway
VEHICULAR CIRCULATION
STATE STREET ENHANCEMENTS

- Enhance drive loop
- Landscape boulevard development
- Angled & increased parking
- Enhanced pedestrian boardwalks

Dahlkemper Landscape Architects & Contractors
814-825-5250
1650 Norcross Road
Erie, PA 16505

Daniel J. Dahlkemper, ASLA
VEHICULAR CIRCULATION
BAYFRONT ROADWAY & TRAIL EXTENSION

- Extends East-West Roadway Connection
- Expands Public Access along Water Edge
  - Pedestrian-Scale Lighting
  - Pedestrian Amenities - Trash Receptacles, Benches
  - Landscape Plantings
- Added Bayfront Housing Option with Houseboat Docks
VEHICULAR CIRCULATION
BAYFRONT ROADWAY EXTENSION

- BAYFRONT PARKWAY
- EXISTING WALKWAY
- NEW ROADWAY EXTENSION: 24'
- PARKING: 9'
- PUBLIC ACCESS WALKWAY: 10'

Sheet Pile
Bay

Roadway Extension

Image of the bayfront roadway extension with vehicles and pedestrians.
VEHICULAR CIRCULATION
BAYFRONT PARKING & INTERMODAL TRANSPORTATION

Reduce Traffic on Bayfront Parkway

- Real-time Messaging Information Kiosks
- Bayfront Mobility Initiative
  - Develop Transit Parking Anchors
  - W. 12th Street Park n Ride
  - Graduated Parking Fees
- Maintain & Expand Free Trolley Service
- Reduce Traffic on Bayfront Parkway
VEHICULAR CIRCULATION
BAYFRONT PARKING GARAGES

- Potential Locations
  - Former GAF Site
  - Convention Center
  - East of State Street

- Locate away from Water’s Edge
- Integrate with Other Structures - Housing – Retail – Commercial
- Architectural Detailing and Plantings to Soften
LAND USE IMPROVEMENT
Recommendations

- Central Bayfront District Improvements
- Large Boat Pier Development
- Liberty Park Expansion
- Working Port Expansion
- Lampe Marina Expansion

- East Avenue Boat Launch Improvements
- Land Lighthouse Connection
- Environmental Sustainability
- Historical/Cultural Resource Enhancement
LAND USE IMPROVEMENTS

CENTRAL BAYFRONT DISTRICT

- Integrated Mixed-use Development
  - Residential
  - Retail - Commercial
  - Entertainment and Civic Venues
  - Social Spaces / Pedestrian Connections /Access
- Continuous Public Waterfront Access
- State Street as a Central Spine
- Strong Connections to Downtown
- Plan District as a Unified Whole
- Maritime Character
  - Spaces, Structures, Site Furnishing
- Adaptive Reuse of Older Structures
- Collaborative Planning & Partnerships
  - City & County Government
  - Port Authority
  - Community
  - Local Business Community
  - Developers
  - Bayfront Property Owners
LAND USE IMPROVEMENTS
CENTRAL BAYFRONT DISTRICT

McAllister Place Development

- Mixed Uses
  - Residential
  - Commercial
  - Retail
  - Parking
- Retail Stores
  - Exterior & Interior Storefront Access
- Generous Public Space & Pedestrian Waterfront Access

Plans by RB Architects w/ Dalhkemper Landscape Architects
LAND USE IMPROVEMENTS
CENTRAL BAYFRONT DISTRICT

Transient Dock Expansion
- Near Hotel and Convention Center
- Public Day Use

Adaptive Re-Use Opportunities
- Former GAF Plant Buildings/Structures
- Opportunity for Building Reuse
- Historic Preservation Opportunities
LAND USE IMPROVEMENTS
CENTRAL BAYFRONT DISTRICT

Character of the Central Bayfront District

- Good Start
- Coordinate Development
LAND USE IMPROVEMENTS

LARGE BOAT EXPANSION PIER

- Deep Water Area
- Provide Docks for Large Pleasure Boats
- Facility that is Lacking on the Bayfront
LAND USE IMPROVEMENTS
LIBERTY PARK EXPANSION

- Expand Park Area
- Resolve Ownership Issues
- Expand Trails in Park
- Proposed Concession Stand
- Winter Boat Storage in Parking Areas
- Environmentally Sensitive Lighting
  - Replace or Modify existing
  - Separate into Lighting Zones
  - Provide Light Cut-offs
- Decrease Impervious Pavement
- Integrate Bio-Retention Paved Areas
LAND USE IMPROVEMENTS
WORKING PORT EXPANSION

- Expand Deepwater Shipping Pier
- Develop Container Storage Area
- Additional Room for Expansion
LAND USE IMPROVEMENTS

**LAMPE MARINA EXPANSION**
- Expand Park and Campgrounds
- Fill CDF for Additional Land
- Develop Amphitheater
- Expand Public Waterfront Access
- New Viewing Tower and Decks

**EAST AVENUE BOAT LAUNCH**
- New Concession / Restroom Facility
LAND USE IMPROVEMENTS
LAND LIGHTHOUSE

- Extend Bayfront Trail to Land Lighthouse
- Land Lighthouse becomes Bayfront Terminus
- Port Authority attain Ownership & Responsible for Maintenance
- Implement Land Lighthouse Master Plan
Implement Sustainable Practices in all New Development

- Bio-swales in Pavement Areas
- Permeable Pavement Materials
- Sun Shading on Buildings
- Green Roofs on Buildings
- Adaptive Re-Use of Existing Structures
- Material Re-Use
LAND USE IMPROVEMENTS
HISTORICAL & CULTURAL RESOURCES

- Preserve
- Connect
- Interpret
- Celebrate
LAND USE IMPROVEMENTS
HISTORIC & CULTURAL RESOURCES

- Develop Access to Historic & Cultural Sites
- Preserve Visual & Conceptual Connections to Local History and Culture
- Preserve & Create Social Spaces in Conjunction with Sites for Gathering
- Interconnect Sites with Wayfinding Techniques – Signage – Markings
- Establish Consistency in all Signage for Recognition
- Install Interpretive Signage & Art to Inform the Public
- Provide Adequate Maintenance
Thank you!

Meet in the Lobby for Questions and Comments