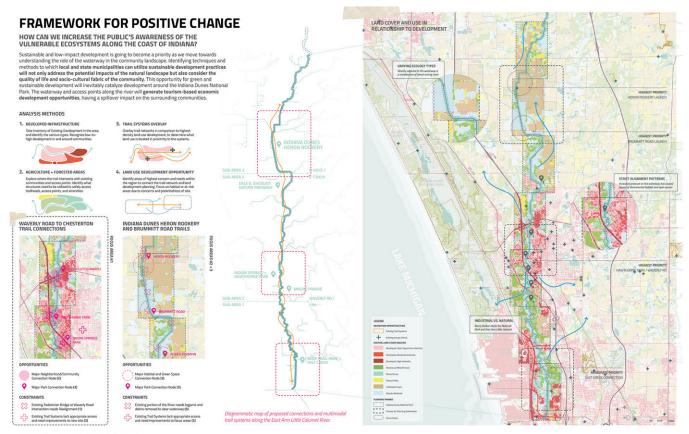
# East Arm Little Calumet River Master Plan, IN



Site Analysis



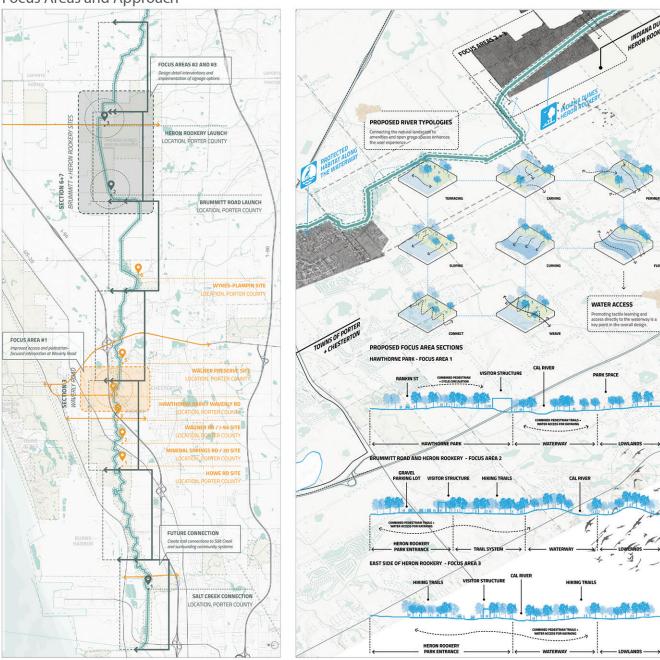




# East Arm Little Calumet River Master Plan, IN



Focus Areas and Approach

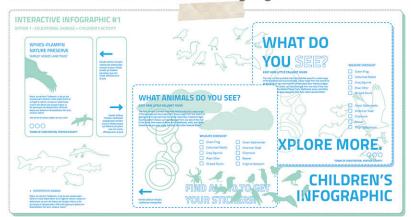


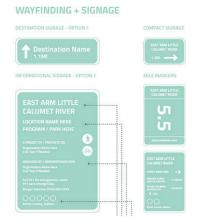


# East Arm Little Calumet River Master Plan, IN



Hawthorne Park and Educational Signage





# HAWTHORNE PARK THROUGH WAVERLY ROAD INTERSECTION

TRAIL CONNECTIONS + TIES INTO HAWTHORNE PARK

The first intervention for this site was the implementation of a parking lot, making due to the lack of access and ability to pull off from Waverly Road. This new parking area would be composed of gravel, allowing for enough space for parking to access the trailhead and be lighten on the landscape. The proposed fail system through Hawbhome Park and around the East Arm LHEL chaumer River is a combination of soft surface learth and boardwalk trails, connecting various amently and access points in the area. These trails will lead to an ADA-accessible EZ Dock kapak baunch, allowing paddlers to access this key point along the river.

### SITE MATERIALITY

Materials chosen for the site will be composed of low-impact, affordable materials to the more described by the site of the materials will also have a specific color palette that compliments each other, making the space feel confortable and inviting. When considering materials for accessibility, they need to recognize the spectrum of people's needs relating to their senses and perception of the designed spaces.



### SITE FURNSHINGS

The site furnishings for the Hawthorne Park and Waverly Road trailhead point will provide a variety of programming activities ranging from hiking and walking to picniching and kayaking. These furnishings include deucational and interpretive signage, boardwalking, durable princitables, and the EZ ADA Dock set up along the river for easy and safe access. In combination, these furnishings accommodate all visitor's and individuals' needs.

















# Student Project

By: David Armbruster





# **NPS RTCA**

RIVERS, TRAILS & CONSERVATION ASSISTANCE PROGRAM

www.nps.gov/rtca

Client: Gary Parks

Partners:

Advisors: Purdue - Aaron Thompson



# Gary Parks: Updating Public Perception, IN

# Gary Parks: Updating Public Perception, IN



Site Analysis

# INFLUENCING SOCIAL PERCEPTION

When crime, vacancy, and depopulation define a city in the public eye, it will surely be cut off from its neighbors. For Gary, being cut off from neighbors means that vital links to natural resources have not only been forgotten, but fought against. Nearby communities are actively keeping Gary's residents isolated, fearing what might happen if "those people" are allowed to walk through their backyards. Perception of Gary is poor enough that few outsiders come to visit the city, and opportunities to positively influence this perception are few and far between. The South Shore line, however, hauls commuters, families, and weekend explorers right through the heart of Gary, providing an unparalleled chance to reach neighbors. Three parks, positioned right along the rail, have the power to transform the public perception of creativity, vitality, and play within Gary. Currently, however, they corroborate notions of insecurity with towering fences, jungles of overgrown plants, and loads of trash. They are forgotten, unknown and unknowable. Because they don't support it and don't show it, life in Gary is invisible to the passerby. Each time a commuter rolls by vacant parks, Gary loses a chance for financial investment, recreational visitors, and invitations to come and enjoy the retail and nature in neighboring communities, thriter isolating the city from the life around it.



North Indiana Commuter Transportation District 2018 South Shore Line Onboard Passenger Survey



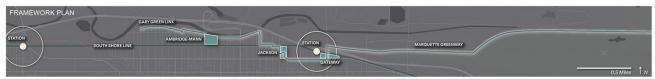


# Gary Parks: Updating Public Perception, IN



Positive Change in a Community







### GOAL: IMPROVE COMMUNITY SAFETY

The crime rate is high in Gary, and dead bodies are found within vacant school buildings. Public spaces are easily perceived as unsafe if there are places to hide. The smallest notions of danger can make parks entirely unsuccessful.

- Remove dense vegetation from the edges of parks, opening sight lines from major thoroughfares.
- Envision a serious of low-maintenance design patterns and landscape furnishings to retain safety in the event of decreased maintenance.
- Prepare a low-maintenance plant palette
- (A) Create missing road connections so that adjacent residential clusters have better daily connectivity in and through park spaces.
- Design pedestrian friendly crossings where multiple roads and rail lines needs to be crossed at once.
- Re-envision borders that keep children off the streets but increase park access and remove fences.



## GOAL: INCREASE NEIGHBORHOOD VIBRANCY

As residents have left the city, vibrant urbanity has trickled off with them. A key ingredient in attracting future residents and involving neighbors in community betterment is the creation of common gather places.

- Design open, flexible spaces for scheduled park programming and festivals hosted by and benefiting community partners and community members.
- Design dynamic, multi-use sports spaces, playgrounds, and water play spaces that combine traditional function with artistic vision.
- Design shelters and event spaces appropriate for family gatherings, outdoor classes, or grilling out.
- Develop pedestrian-level retail, or seasonal shops, around the gateway region to provide trail destinations and encourage recreational use.
- Begin the journey of making the Grand Calumet River an amenity by increasing visibility and providing stormwater education.
- Ensure there is enough highly-visible parking for residents coming from a distance



## GOAL: IMPROVE REGIONAL PERCEPTION AND CONNECTION

Gary holds a reputation of being an undesirable place to live. Creating a necklace of lively parks and trails around major transportation routes will transform the image of Gary as a place worth investing in and connecting to.

- Forgo the old Marquette Greenway path around the outskirts of Gary in favor of a corridor through the heart of Gary's civic center.
- Create monumental signage that connects the Marquette Greenway, the Gary Green Link, and Gary Parks.
- Introduce clear signage that greats you immediately after exiting Gary Metro so that visitors understand the recreational system they are a part of.
- Paint the South Shore Line overpass near Gateway park to serve as a giant banner announcing arrival in the lively city of Gary.
- Bridge the languages of urban and national park ecology with naturalized planting swaths demonstrating native sustainability.
- Maximize views from the South Shore Line train that will attract riders to exit in Gary and visit these parks.



# Gary Parks: Updating Public Perception, IN



Site Design







# GARY METRO EXISTING COLONNADE ROMANTIC BASKET SEATS ADULT PLAY SWINGS HISTORY MURAL WALL DOG PARK COLORFUL ARCHES COLORFUL ARCHES GATEWAY SIGN EX.HISTORIC HOUSE CONVENTION CENTER COURTHOUSE SPORTS & FITNESS

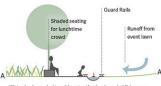
Gateway park is the hub upon which future connections must be founded. When visitors enter the city via the South Shore line, this space generates their initial sense of the city. It determines whether they will stay, eat, shop, and invest. When the Marquette Greenway finally connects to the city, this will be the gateway that indicates to riders and walkers that they are now recreating courtesy of a lively community. Adjacent to key civic and recreational facilities, these spaces are focused on extending the purpose of these building into the landscape, enabling demonstrations, sports, concerts, and markets. They must help extend the life and the safety of the area into the nighttime hours by attracting adults to play.

### EVENT SPACES



 Extends Convention Center-Market, concert, wedding.
 Extends Council Building-Walting area & Winter plaza.
 Extends Rec Center -Outdoor basketball.

### DRAINAGE WALK / SEAT @ Gateway & Ambridge-Mann Parks



Water is channeled to a bio-retention basin and children may splash in it or sail items down it during rain showers.



Central to strengthening the social perception of a city is displaying the image, culture, and history unique to that city. Gateway park contains key historic elements, but they are inaccessible, impossible to view from a distance, and out of touch with the energy of urban cultural embodiment, which displays history in art rather than text. Borrowing from the language of mural artwork beneath the bridges to the North, my design proposes expanding and abstracting the presence of historic Gary architecture by creating a mural wall of history that ensures the presence of this history is felt in the civic center of Gary.



# Student Project

By: Jacob Battista





# NPS RTCA

RIVERS, TRAILS & CONSERVATION ASSISTANCE PROGRAM

www.nps.gov/rtca

Client: Pictured Rocks National Lakeshore

Partners:

Advisors: NPS - Megan Hedges Purdue - Aaron Thompson



# Pictured Rocks National Lakeshore, MI

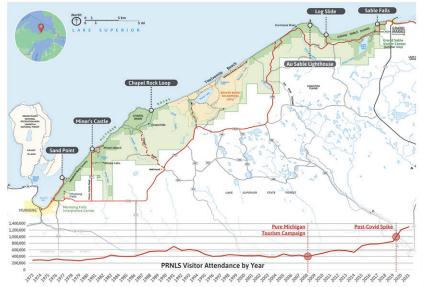
# Pictured Rocks National Lakeshore, MI



Site Analysis



ender Credits: Jacob Battista and Abby Fishe



# The Pictured Rocks

### **Recreation Opportunities**















The Sand Point beach is a popular spot for sunbathing, or walking in the evening to watch the sun go down over Munising Bay. Swimmers often find the shallow bay water off Sand Point warmer than other lakeshore beaches. - nps.gov/piro



### Miners Castle

Miners Castle is one of the most famous landmarks along the Pictured Rocks shoreline, and is the only cliff area in the park accessible by vehicle. A short paved wheelchair accessible trail leads past interpretive exhibits to breathtaking overlooks of Lake Superior and Grand Island. Erosion over long periods of time has created the interesting rock formations that give this place its name. nps.gov/piro



# Chapel Rock

The Chapel area was named by early European explorers and is found on early maps as La Chappelle, Chapel Rock is a remnant of Cambrian age sandstone that was carved by Lake Nipissing high water some 3800 years ago. The lone white pine on Chapel Rock is estimated to be about 250 years old. Chapel Beach is also a remnant of Lake Nipissing, blocking Chapel Creek to form Chapel Lake. - nps.gov/piro



# Au Sable Point

Built in 1873-1874, the light tower's base diameter is 16 feet with a height of 86 feet. The tower extends 23 feet underground and is anchored in bedrock. It is a 1.5 mile walk (one way) to the lighthouse. From the parking lot, walk was (ble way) of the agimuses. How the parking of, was east through the campground from the picnic area near the Hurricane River mouth. On the beach below the trail, exposed shipwreck remains dot the shoreline. - nps.gov/piro



### Log Slide

A short walk from the parking lot past historic logging equipment leads to the Log Slide area on top of the dunes. Recent winter storms destroyed the popular overlook platform, but the path that leads to where the platform stood is still open. From this site there is stunning views of the dunes to the east and Au Sable Point to the west



# Sable Falls

Sable Falls tumbles 75 feet over a cascading slope of Munising and Jacobsville sandstone formations on its way to Lake Superior. The best viewing is from the bottom of a long staircase of 168 steps. The trail from the parking area to this staircase is a short one. The trail continues past the falls for a short walk to a rock beach where Sable Creek flows into Lake Superior. - nps.gov/piro

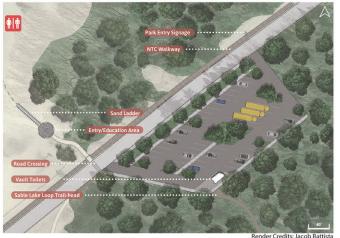


Render Credits: Jacob Battista and Abby Fisher



Pictured Rocks National Lakeshore, MI







Hurricane River Sable Falls SUPERIOR Au Sable Light Station
Au Sable Point あ井ム Grand Sable Dunes Twelvemile Beach ムら紀天 Ġ **\*** # H58 KINGSTON

### Observation Tower

The establishment of an observation tower and a short trail system will provide connection to and views of the Sable Dune while limiting visitor impact of the area.



# Educational + Navigation



In order to protect these natural systems visitors must be kept on trail and educated on why this is important. Educational and navigational signage will be vital in order to promote responsible visitor habits.



### **Pedestrian Street** Crossings



To prevent pedestrian-vehicle collisions signal crossing areas should be employed. Also, a dedicated walkway should be established along the road to connect the NCT to itself and keep hikers off the road.



### **Parking Lot Expansion**



To accommodate a rise in visitor-ship and avoid another congestion issue like Chapel Road parking lot needs to be expanded.



### Social Media Promotion

The Internet has a strong role to play in the promotion of the eastern edge of the the promotion of the eastern edge of the park. While a redesign is much needed, it will all be for nothing if no one knows about it. As of right now if you google Pictured Rocks the first images that pop up are those of the east side attractions. The park staff must re-brand and showcase all the park varied features. Google, Instagram, Facebook, Twitter, and the parks on website will all play an vital role showing future visitors what



this park has to offer









Designated camping zones, fire pits, food lockups, and pit toilets could be established here to further expand eastern edge's camping backpacking options.



Showers will make using this beach more appealing and accessible



Wild Berry Foraging

Native berry bushes could be planted in this region to create a new seasonal recreation activity in



### Trail Safety/ Social Trail Improvement

In areas of significant damage or danger additional signage and fencing should be employed to halt further perpetuation of







Sand Ladders, Mobi Matts, and Boardwalks should be employed to make this feature accessible to as many people as possible.















Scenic Picnic Area









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