

Biscayne Park



URBS 3751

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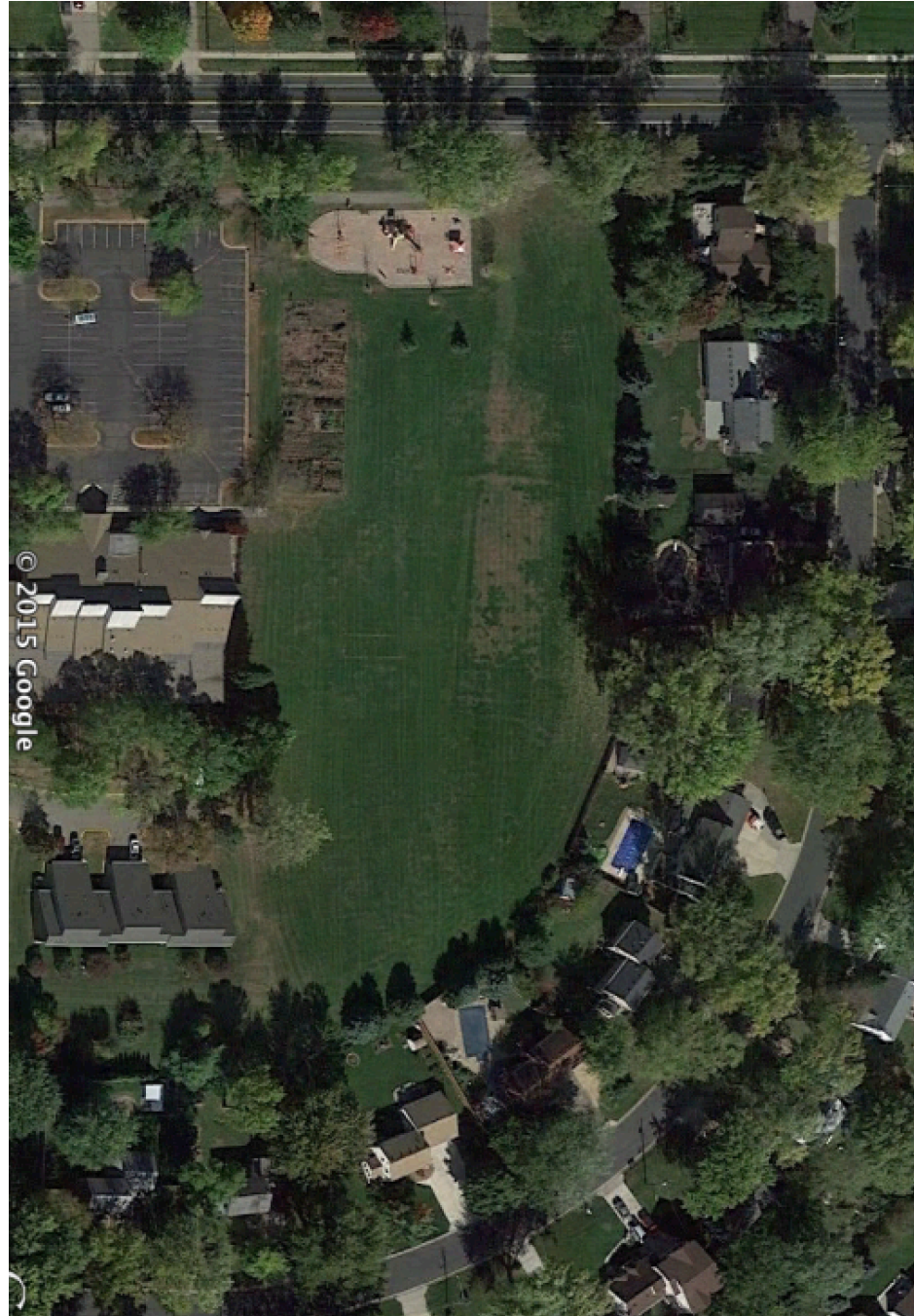
An aerial photograph of a residential neighborhood. The image shows several houses with varying roof colors, surrounded by lush green trees. A large, open grassy area is visible in the center, possibly a park or a common area. In the lower-left quadrant, there is a parking lot with several cars parked. The overall scene is a typical suburban or residential area.

Objective

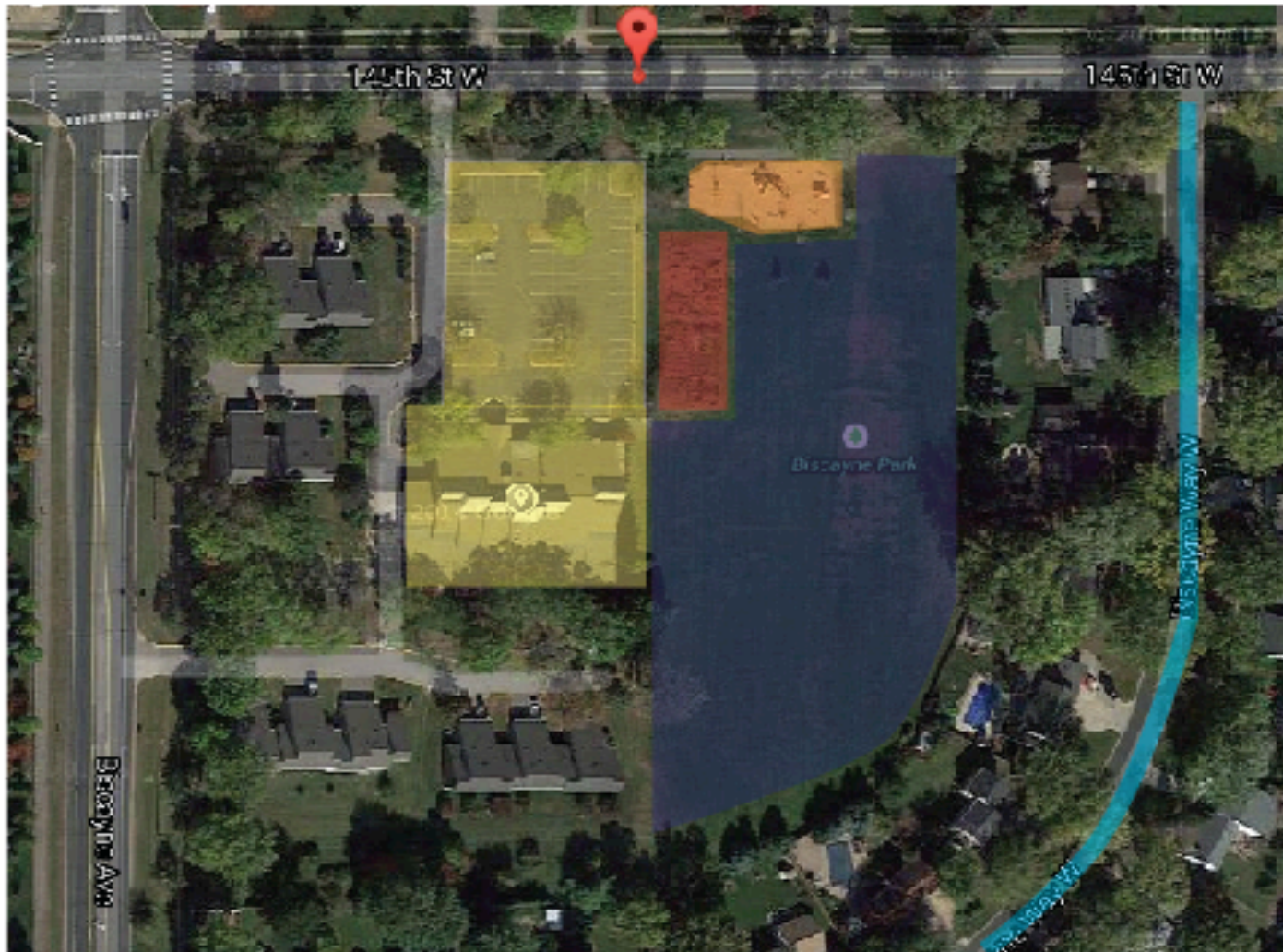
This project was conducted by the URBS 3751: Understanding the Urban Environment class at the University of Minnesota, with the purpose of assessing existing amenities and proposing improvements to the Rosemount park system.

Park Overview






- 3.08 Acres
- Playground equipment
- Bike parking
- Community garden
- Portajohn
- Picnic tables



Existing Assets & Features:



KEY

- | | | | | | |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------|----------------------|
|  | Current parking options |  | Playground equipment |  | CAP Agency & parking |
|  | Community garden |  | Green space / space available for amenity additions | | |

SWOT Analysis

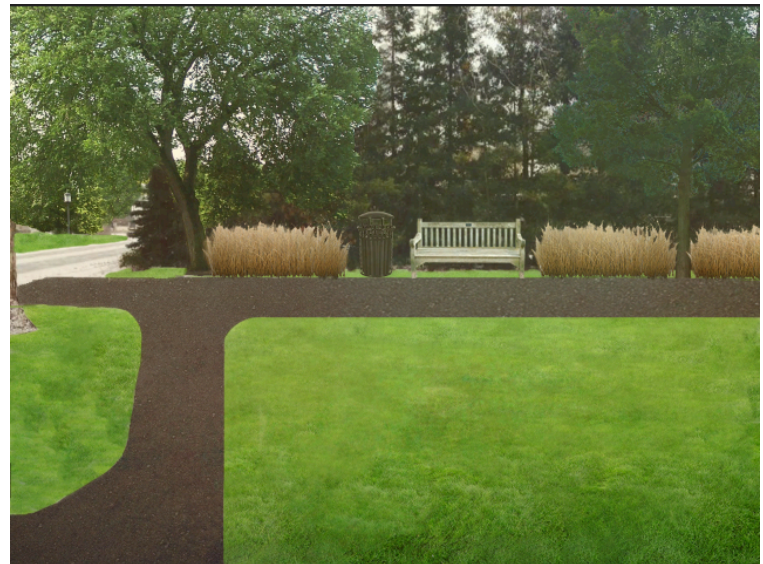
<p style="text-align: center;">Strengths</p> <ul style="list-style-type: none">• Community Garden strengthens local bonds• Access to Portajohn• Tree shading over benches• Proximity to residents	<p style="text-align: center;">Weaknesses</p> <ul style="list-style-type: none">• Lack of connectivity to greater community trail system• Utilities available at park• Outdated bicycle parking• Limited activities
<p style="text-align: center;">Opportunities</p> <ul style="list-style-type: none">• Enhance trail linkages• Improve park landscape• Install charcoal grill near picnic area• Coordinate activities in open green space• Lighting in park	<p style="text-align: center;">Threats</p> <ul style="list-style-type: none">• People don't know when they can use CAP agency parking lot• Too noisy for local residents• Changes to park may disturb neighbors

Exciting Opportunities

- Expanding the community garden
 - Demand by local residents has exceeded available gardening plots
- Install lighted pathway around park
 - Intended to improve access and connectivity with neighborhood



Photo credit: Alexandra Paurus



Team Roles

Each team was tasked with researching best practices, existing assets and challenges, and recommending changes and rationales for their specific role.

Place Making and Community Engagement

Goal is to analyze best practices for placemaking and recommendations on community engagement

Community Gathering Enhancements

Goal is to assess, improve and or add recreation functions.

Access and Linkage, Lighting and Safety

Goal is to increase usage of the park by creating safe access points, trails and amenities within the site to encourage usage.

Ecological Functions

Goal is to add environmentally-friendly amenities as well as enhance the sustainability of existing ones.

Place Making and Community Engagement

4 Placemaking Principles Incorporated

- Triangulate
- Community Engagement
- Have a Vision
- Start Small



Overview of Plans

Short term plan:

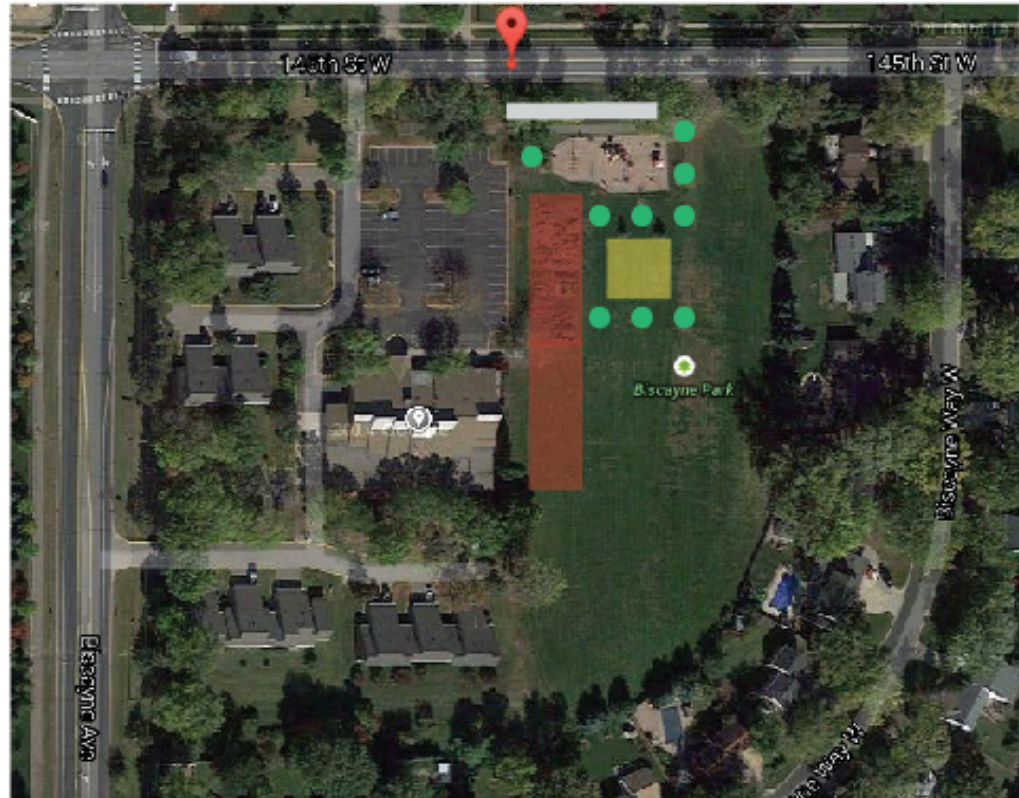
- 1) **Expand community garden plot**
- to accommodate the increase in demand
- 2) **Replace + add bike racks**
- to minimize complications & promote bikeability
- 3) **Rain barrels / storm water collection**
water can be collected for many uses including for the community garden 
- 4) **Recycling / composting**
positive environmental impact
- 5) **Addition of picnic shelter**
(1 grill, 2-4 picnic tables)

Long term plan






- 1) **Implement bike trail & add:**
 - Trees & native grass species
 - create sound barrier, beautify parkscape, increase vegetation
 - Park benches
 - transform corridor space into potential destination
 - Additional lighting
 - motion sensed & solar powered
- 2) **Water fountain**

Phase 1 - Short Term

Short Term Recommendations & Opportunities:



KEY

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|-------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|
|  | Replacement /
addition of bike
racks |  | Community garden
+ compost |  | Picnic shelter + grill, tables, &
storm water collection |
|  | New signage
throughout park |  | Additional solar power light-
ing throughout entire park | | |

Access and Linkage, Lighting and Safety: Short Term

- Enhance and increase bike parking near playground
 - Promotes bikeability and healthy lifestyle
 - Less need for cars



Photo: Appalachian Mountain Club <http://4.bp.blogspot.com/-BXZmIHdYxl8/Uek4keBdQ6I/AAAAAAAAEZM/7Lf2g2-OfNo/s1600/Fishrack.jpg>



Photo: The San Diego Union-Tribune http://media.utsandiego.com/img/photos/2011/09/24/bikerack1_r620x349.JPG?75d51d0aea2efce5189afce216053cbc530c46a8

Access and Linkage, Lighting and Safety: Short Term

- Implement solar-powered lighting around playground and pavilion/picnic area
 - Nighttime safety
 - Surveillance opportunity for neighbors



Photo: TigerLight <http://www.tigerlight.com.au/wp-content/uploads/2011/02/solar-led-street-500-3.jpg>

Access and Linkage, Lighting and Safety: Short Term

- Improve signage
 - New signage at front of park to welcome pedestrians and bikers
 - Signage for vehicles including park location
 - Location of parking areas
 - Broader map to show relative locations of other city parks.



<https://s-media-cache-ak0.pinimg.com/736x/c5/1d/ae/c51daec995acd951f9649635e554f4b9.jpg>

<http://media.capturegwinnett.com/wp-content/uploads/2011/06/Harbins-Park-10.jpg>



Community Gathering Enhancements: Short Term

- Implement picnic shelter
 - Creates destination place
 - Additional shade
 - Reservable for large groups
 - <http://www.cityofroseville.com/1133/Shelters>



<http://parkstrails.myparksandrecreation.com/Details.aspx?pid=452>

- Establish Grill space
 - Increases park's recreational attributes
 - Prolongs stay in park
 - requested by interviewed residents



http://www.tripadvisor.com/LocationPhotoDirectLink-g44160-d226640-i35291087-Cardinal_Hill_Cottages-Branson_Missouri.html

Ecological Functions: Short Term

- Expand the community garden
 - Allows more people to get involved in the garden
 - Increases awareness and respect for the environment
 - Opportunity for education



<http://blogs.extension.org/mastergardener/files/2011/11/MGs-raised-beds.jpg>

Ecological Functions: Short Term

- Add compost and recycling bins
 - Promote practice throughout community



<http://www.planetnatural.com/composter-connection/making/composting-at-home/>



- Implement storm water collection
 - Used for watering garden

<http://www.lakesuperiorstreams.org/stormwater/toolkit/rainbarrels.html>









Phase 2 - Long Term

Proposed Recommendations & Opportunities:



Following success of the short term proposal, these additions are intended to increase popularity of the park further and ensure its longevity in the community.

KEY

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|-------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|  | Replacement / addition of bike racks |  | Community garden + compost |  | Picnic shelter + grill, tables, & storm water collection |
|  | Green space / space available for future additions |  | Connecting points to existing paths |  | Lighted bituminous bike / leisure trail + park benches & vegetation |
|  | New signages for pedestrians and parking |  | Basketball court | | |

Access and Linkage, Lighting and Safety: Long Term

- Install pathway around park
 - Increases access to all areas of park
 - Promotes walking, healthy and active lifestyle
 - Solar-powered lights alongside path
 - Nighttime safety
 - Motion sensors to reduce light pollution



Photo: AliExpress http://i01.i.aliimg.com/wsphoto/v1/32257596751_1/10pcs-Stainless-Steel-LED-font-b-Solar-b-font-font-b-Light-b-font-Lamp-Outdoor.jpg

Community Gathering Enhancements: Long Term

- Add Basket Ball Hoop
 - Encourages activity of all ages
 - Safe and low maintenance solution
 - No park is complete without a basketball court
- Establish Bike Path
 - Increases connectivity to greater park system
 - Promotes alternate way to get to Biscayne



<http://www.produnkhoops.com/photos/albums/david-50x45-hercules-diamond-basketball-system-50/park-basketball-court-hercules-diamond-hoop-181.html>



<http://www.shutterstock.com/video/clip-2852833-stock-footage-seniors-people-walking-in-autumn-city-park-with-red-and-yellow-leaves-on-trees.html>

Ecological Functions: Long Term

- Recycled rubber for the path
 - Collects runoff
 - Resistant to cracking and freezing
 - Strong and durable
 - Easy installation

<http://www.porouspaveinc.com/>



Ecological Functions: Long Term

- Plant native vegetation
 - Trees, prairie grasses, and flowers
 - Both around the park as a whole and;
 - Lining the path, providing a barrier between residences and the park

<http://www.dnr.state.mn.us/gardens/nativeplants/index.html>



Access and Linkage, Lighting and Safety

- Place a pathway around park
 - Increase access to all areas of park
- Install solar powered lights along the park's path
 - Implement motion sensors with lighting to reduce light pollution.
- Implement lighting around the pavilion and playground



Thank you for listening!