



AGENDA
CHARTER TOWNSHIP OF MERIDIAN
PARK COMMISSION – REGULAR MEETING
Tuesday, August 11, 2020 - 5:30 pm

REGULAR MEETING – CENTRAL PARK PAVILION – 5:30 PM

1. CALL MEETING TO ORDER
2. APPROVAL OF AGENDA
3. PRESENTATIONS
 - A. EMILEE NUSSDOFER GIRL SCOUT GOLD STAR PROJECT-FREE LITTLE LIBRARY
4. PUBLIC COMMENTS
5. APPROVAL OF MINUTES
 - A. June 9, 2020 Regular Meeting Minutes
 - B. June 30, 2020 Special Meeting Minutes
6. COMMUNICATIONS
7. DIRECTOR'S REPORT
 - A. Update on Projects
8. ACTION ITEMS
 - A. Alert Siren Request – Marshall Park
 - B. 2021 Park Millage Budget Request
 - C. 2021-2026 CIP
 - D. 2020 Deer Management Properties
 - E. Executive Order 2020-160 Park Amenity Impact
9. DISCUSSION ITEMS
 - A. Grand Openings for 2020 Park Projects
 1. Marketplace on the Green
 2. Large Dog Park
 3. Gateway Connector and Restroom in Meridian Historical Village
 4. Central Meridian Regional Trail Connector
 5. HNC Pavilion and Restroom Building
 - B. Commissioner Videos in Parks
10. PUBLIC COMMENTS
11. OTHER MATTERS AND COMMISSIONERS' COMMENTS
 - A. Commissioner Comments
 - B. Events Calendar:
 1. Farmers' Market:
 - a. Saturdays 8am-2pm; Wednesdays 3pm-7pm through October
12. CLOSED SESSION – NONE
13. ADJOURNMENT
14. Next Park Commission Meeting: Tuesday, September 8, 2020, 5:30 pm. Wonch Park Pavilion

All comments limited to 3 minutes, unless prior approval for additional time for good cause is obtained.

Individuals with disabilities requiring auxiliary aids or services should contact Parks & Recreation Director, LuAnn Maisner:
2100 Gaylord C. Smith Court, Haslett, MI 48864 or 517.853.4600 - Ten Day Notice is Required.

Meeting Location: Central Park Pavilion 5151 Marsh Road, Okemos MI

Providing a safe and welcoming, sustainable, prime community.



A PRIME COMMUNITY
meridian.mi.us



CHARTER TOWNSHIP OF MERIDIAN
PARK COMMISSION VIRTUAL REGULAR MEETING MINUTES
Location: Meridian Service Center, 2100 Gaylord C. Smith Court
Haslett, MI 48840

DATE: June 9, 2020

PRESENT: Amanda Lick, Michael McDonald, Mary Nardo Farris, Commissioners Mark Stephens,
Ami VanAntwerp

EXCUSED: None

STAFF: LuAnn Maisner, Director of Parks and Recreation

1. CALL MEETING TO ORDER

Chair Lick called the meeting to order at 5:23pm.

2. APPROVAL OF AGENDA

Commissioner Stephens moved TO APPROVE THE AGENDA AS PRESENTED. Seconded by
Commissioner McDonald.

VOICE VOTE: Motion carried unanimously.

3. PRESENTATIONS

4. PUBLIC COMMENT

None

5. APPROVAL OF MINUTES

A. February 11, 2020 Regular Meeting Minutes

Commissioner Stephens moved TO APPROVE THE MINUTES OF FEBRUARY 11, 2020
REGULAR MEETING MINUTES AS PRESENTED. Seconded by Commissioner McDonald.

VOICE VOTE: Motion carried unanimously.

6. COMMUNICATIONS

A. Items to/from the Public
None

B. Commission Information

1. Press Releases:

a. Letter to Residents reopening park facilities

C. Staff Inquiries/Response

None

Commissioner McDonald moved TO ACCEPT AND PLACE THE ITEMS OF COMMUNICATION ON
FILE. Seconded by Commissioner Stephens.

VOICE VOTE: MOTION CARRIED UNANIMOUSLY.

7. DIRECTOR'S REPORT

8. Marketplace on the Green

- A. Gordon Construction Services –Sitework and restroom
- B. Mid States Recreation/Coverworx – Pavilion and stage
- C. Colors –Lt gray posts with blue roof. Center roof is copper
- D. Stage – Lt gray posts with blue roof
- E. Anticipated completion date – August 21

9. Harris Nature Center Projects

- A. Restroom and Pavilion Project
- B. Contracts signed with LJ Trumble Construction Company
- C. Pre-Construction Meeting was held in February
- D. Structures have been ordered – work to begin in Mid-July

10. Central Park Projects

- A. **Restroom/footbridge Project** – this project was awarded to Gordon Construction Services. Construction will begin this week (tomorrow). Anticipated completion date: August 21.
- B. **Central Meridian Regional Trail Connector Project** – was awarded to Oak Construction. Kickoff meeting is scheduled for next week.
- C. **Large Dog Park** – we are meeting with the fence company to confirm installation. The electricity has already been extended from the Marketplace project. The entrance will face Central Park Drive.

11. **Grant Application Okemos Road House Acquisition** (MSU to Lake Lansing Regional Trail Hub Acquisition) - the application was submitted prior to the deadline but we have until August 7 to complete the items we were unable to include. Our local match will be 25%.

12. **5-Year Parks and Recreation Master Plan 2017-2021-** Jane has started the update process during the time of COVID-19. A future agenda item will include the community survey and preferred questions.

13. **Re-opening Plan** – I appreciate everyone's input on the reopening letter. The playgrounds opened on Friday and the restrooms and pavilions will open tomorrow.

14. **Skate Park update-** we have been out of touch with Mary and Graham Thiel since Covid. We will re-engage in the coming weeks.

15. **Future Agenda Items** – Include: 2021 Budget; CIP 2021-2027; Marketplace on the Green Grand Opening!

A.

16. ACTION ITEMS

- A. Reschedule Public Hearing—DNR MSU to Lake Lansing Regional Trail Hub Application

MOVED BY COMMISSIONER MCDONALD AND SUPPORTED BY COMMISSIONER FARRIS, TO SET A PUBLIC HEARING ON JUNE 30, 2020 AT 5PM FOR THE PURPOSE OF SOLICITING PUBLIC INPUT FOR THE 2020 MICHIGAN NATURAL RESOURCES TRUST FUND GRANT APPLICATION FOR ACQUISITION OF LAND TO CREATE A TRAIL HEAD FOR THE MICHIGAN STATE UNIVERSITY TO LAKE LANSING TRAIL AND AN IMPROVED ENTRANCE TO NANCY MOORE PARK. The vote passed unanimously

B. ICRD Okemos Road Bridge Project – MOTION BY COMMISSIONER STEPHENS AND SUPPORTED BY COMMISSIONER MCDONALD TO SUPPORT THE INGHAM COUNTY ROAD DEPARTMENT OKEMOS ROAD BRIDGE PROJECT FOR CONSTRUCTION COMMENCING IN 2021, AND THAT ALL CONDITIONS MENTIONED IN THE REQUEST LETTER DATED MAY 6, 2020 SIGNED BY KELLY R. JONES, DIRECTOR OF ENGINEERING, ICRD, WILL BE UPHOLD AND HONORED BASED ON PROTECTIONS AND REQUIREMENTS PROVIDED BY SECTION 4F OF THE DEPARTMENT OF TRANSPORTATION ACT OF 1966; AND THAT THE REQUESTED UNDER-BRIDGE WALKWAY IS CONFIRMED AS PART OF THE PROJECT.

The motion passed unanimously

17. DISCUSSION ITEMS

- A. Park Amenities Reopening – The letter was entered into the public record under Communications

18. COMMENTS FROM THE PUBLIC - NONE

19. OTHER MATTERS AND COMMISSIONERS' COMMENTS

- A. Commissioner Comments
- B. Events Calendar:
 - 1. Farmers' Market:
 - a. Summer/Fall Market, Saturday, June-October 8 am – 2 pm, Meridian Mall parking area adjacent to the Marketplace on the Green

20. CLOSED SESSION

None

21. ADJOURNMENT

Chair Lick adjourned the meeting at 6:10pm pm.

22. NEXT MEETING

- A. Special Meeting of Park Commission, Tuesday, June 30, 2020, 5 pm. Central Park Pavilion, 5151 Marsh Road, Okemos, MI
- B. The next meeting is scheduled for Tuesday, July 14, at the Meridian Service Center, 2100 Gaylord C. Smith Court, Haslett, at 6:30 pm.



CHARTER TOWNSHIP OF MERIDIAN
PARK COMMISSION REGULAR MEETING MINUTES
Location: Meridian Service Center, 2100 Gaylord C. Smith Court
Haslett, MI 48840

DATE: June 30, 2020

PRESENT: Michael McDonald, Mary Nardo Farris, Commissioners Mark Stephens, Ami VanAntwerp

EXCUSED: Chair Lick

STAFF: LuAnn Maisner, Director of Parks and Recreation

OTHERS: None

1. CALL MEETING TO ORDER

Vice- Chair VanAntwerp called the meeting to order at 5:00 pm.

2. APPROVAL OF AMENDED AGENDA

Commissioner McDonald moved TO APPROVE THE AGENDA AS PRESENTED. Seconded by Commissioner Stephens.

VOICE VOTE: Motion carried unanimously.

3. PUBLIC HEARING

MNRTF GRANT APPLICATION – OKEMOS ROAD ACQUISITION: Vice Chair Van Antwerp opened the public hearing at 5:40pm.

Director of Parks and Recreation, LuAnn Maisner summarized the project outlining the specifics and project costs as follows:

The Parks and Recreation Department and Park Commission are interested in acquiring 5280 Okemos Road, a 1.85-acre property adjacent to Nancy Moore Park. Acquiring this property would allow the township to construct a separate and more direct access to Nancy Moore Park as well as create a trail hub along the upcoming MSU to Lake Lansing Trail whose construction will begin this summer.

This acquisition will improve access to our existing 40-acre Nancy Moore Park as well as provide a hub for non-motorized transportation along the 5.5-mile MSU to Lake Lansing Trail. Grant support for this project from the Michigan Natural Resources Trust Fund is our preferred method of funding a portion of this acquisition. Parks and Recreation staff submitted the application by the April 1, 2020 deadline, but due to COVID-19, the public hearing originally scheduled for March 17 was postponed until now. The proposed grant will have a total acquisition cost of \$170,000 comprised of a 25% local match from the

Township in the amount of \$42,500 and a 75% grant amount of \$127,500 from the Michigan Natural Resources Trust Fund.

Acquisition Breakdown:

Acquisition Costs:	\$ 170,000
Grant Amount (75%)	\$ 127,000
Funds from Park Millage Fund (25%)	\$ 42,500

A. PUBLIC COMMENT
None

B. PARK COMMISSIONERS' QUESTIONS AND COMMENTS

- Reviewed the grant amount percentages
- Ask for support letters from such groups as Tim Morgan, Tim McCaffrey, Michigan Mountain Bike Association, Julie Brixie, Tim Potter, Curtis Hertel, Ingham County Trails, etc.
- Support information is due in August.

C. PUBLIC COMMENT
None

D. CLOSE PUBLIC HEARING

Chair closed the public hearing at 5:19 pm and stated the Park Commission will take action to recommend approval of action to the Township Board later during this meeting.

4. PUBLIC COMMENT
None

5. DIRECTOR'S REPORT

- A. Marketplace on the Green is progressing quickly; projected completed date August 23; ribbon cutting first of September
- B. Farmers Market has been moved to the Meridian Mall parking area adjacent to the Marketplace on the Green; chance for visitors to see the progress of the Marketplace and its location. The Wednesday Market will begin July 1 with the hours of 3 – 7 pm. Both the Saturday and Wednesday Market will run until the end of October.
- C. Large Dog Park's electricity has been installed. Will be marking out the concrete pad for the fob system and the fencing will be installed July 17.
- D. Historical Village Restroom project had its first meeting today. The Footbridge has been removed and the new one installed by mid-August
- E. Harris Nature Center Restroom/Pavilion project is progressing

6. ACTION ITEMS

- A. DNR Park Acquisition Grant Application

The following resolution was offered by Commissioner Nardo Farris and supported by Commissioner Stephens:

WHEREAS, the Michigan Department of Natural Resources accepts grant requests from local units of government to assist in the development and acquisition of recreation properties; and

WHEREAS, it is possible to have up to 75% of the total project cost funded by the Natural Resources Trust Fund program; and

WHEREAS, the Park Commission is interested leveraging local Park Millage Funds by obtaining supplemental grant funding for park projects whenever possible; and

WHEREAS, Meridian Township has prepared a grant application for submission to the Michigan Natural Resources Trust Fund for \$170,000 for the acquisition of 1.858 acres located at 5280 Okemos Road which will serve as the new entrance into the 40-acre Nancy Moore Park on Okemos Road as well as serve as a trail hub along the upcoming 5.5-mile MSU to Lake Lansing Trail; and

WHEREAS, this project is supported in the 2017-2021 Parks and Recreation Master Plan adopted by the Meridian Township Board and Park Commission, and is on file with the Michigan Department of Natural Resources; and

WHEREAS, park development and improvements are supported by Township Board Policy and 2019 Goals and Objectives; and

WHEREAS, this grant request was open to public review on June 30, 2020; and

NOW, THEREFORE BE IT RESOLVED BY THE PARK COMMISSION OF THE CHARTER TOWNSHIP OF MERIDIAN, INGHAM COUNTY, MICHIGAN, as follows:

TO SUPPORT SUBMISSION OF A GRANT APPLICATION TO THE MICHIGAN NATURAL RESOURCES TRUST FUND FOR THE ACQUISITION OF 1.858 ACRES LOCATED AT 5280 OKEMOS ROAD WITH THE INTENTION OF CREATING A HUB FOR NON-MOTORIZED TRANSPORTATION ALONG THE MSU TO LAKE LANSING TRAIL AND TO ALSO CREATE A NEW ENTRANCE INTO THE 40-ACRE NANCY MOORE PARK WITH A TOTAL ACQUISITION COST OF \$170,000. THE TWENTY-FIVE (25%) PERCENT LOCAL MATCH OF \$42,500 WILL BE FUNDED BY MERIDIAN TOWNSHIP WITH THE REMAINING SEVENTY-FIVE (75%) PERCENT (\$127,500) FUNDED BY THE MNRTF GRANT.

ROLL CALL:

YEAS: Commissioners Nardo-Farris, Stephens, McDonald, VanAntwerp, Chair Lick

NAYS: None

Resolution passed unanimously (5-0)

7. DISCUSSION ITEMS

- A. July 14th Park Commission Meeting

Director Maisner stated she would like to keep this meeting scheduled to discuss the budget and the projects update. Commissioners agreed to Director Maisner’s suggestion to schedule it as a zoom meeting.

B. Nemoka Drain Meeting Update

Commissioner Stephens summarized the meeting. A portion of the trail traverses Hillbrook Park and the Drain office will be constructing a small footbridge over the ditch to maintain our current trail route in the park. A number of trees will be removed and replaced as part of this project. LSG is the contractor for the site. This project has been in the works for approximately 4 years. Commissioner Stephens asked the contractor to add any dirt/gravel that they are removing from the site to the low areas along the trail system in the park.

8. COMMENTS FROM THE PUBLIC

None

9. OTHER MATTERS AND COMMISSIONERS’ COMMENTS

A. Commissioner Comments

B. Events Calendar:

1. Summer/Fall Market, Saturdays, June-October, 8 am – 2 pm and Wednesdays, July-October, 3-7 pm; Meridian Mall parking area adjacent to Marketplace on the Green

10. CLOSED SESSION

None

14. ADJOURNMENT

Chair Lick adjourned the meeting at 5:45 pm.

15. NEXT MEETING: The virtual meeting is scheduled for Tuesday July 16 at 5 pm.



69TH DISTRICT
STATE CAPITOL
P.O. BOX 30014
LANSING, MI 48909-7514
PHONE: (517) 373-1786
FAX: (517) 373-5717
JulieBrixie@house.mi.gov

MICHIGAN HOUSE OF REPRESENTATIVES

JULIE BRIXIE
STATE REPRESENTATIVE

APPROPRIATIONS
JUDICIARY, MINORITY VICE CHAIR
AGRICULTURE AND RURAL
DEVELOPMENT
HEALTH AND HUMAN SERVICES

July 21, 2020

Jane Greenway, LLA
Senior Parks and Land Management Coordinator
Meridian Township
5151 Marsh Road
Okemos, MI 48864

Dear Ms. Greenway:

Please accept this letter of support for Meridian Township's 2020 application for a grant acquisition through the Michigan Natural Resources Trust Fund program. This grant application, known as the "MSU to Lake Lansing Regional Trail Hub Acquisition" proposes to acquire a 1.85 acre property located at 5280 Okemos Road, Haslett, Michigan 48840. This property is directly adjacent to Central Park/Nancy Moore Park and is located along the regional trail that runs from Michigan State University to Lake Lansing.

The property would provide a wonderful location to eventually build a rest and reprieve facility for trail enthusiasts and community members looking to explore and utilize our region. This acquisition would also allow for a new entrance to Nancy Moore Park (which is part of Central Park) and would be a welcome addition to our community that would provide a safer and more visible entrance into the park. The park is extremely popular to residents, but this would be a great opportunity to draw new visitors in.

As an avid park and trail user, I am in support of improving and maintaining the parks and trail system in Meridian Township. I have seen firsthand the families, seniors, and others who come to enjoy the lovely natural features of our area. Paved pathways and parking are a very useful addition to increase accessibility to the parks and provide opportunities for better exercise and trail navigation.

In short, our family eagerly supports the efforts of the Township to improve Central Park/Nancy Moore Park.

Sincerely,

Julie Brixie
State Representative
69th District

July 14, 2020

Jane Greenway, LLA
Senior Parks and Land Management Coordinator
Meridian Township
5151 Marsh Road
Okemos, MI 48864

Dear Ms. Greenway:

Please accept this letter of support for Meridian Township's 2020 application for a grant acquisition through the Michigan Natural Resources Trust Fund program. This grant application, known as the "MSU to Lake Lansing Regional Trail Hub Acquisition" proposes to acquire a 1.85-acre property located at 5280 Okemos Road, Haslett, Michigan 48840. This property is directly adjacent to Central Park/Nancy Moore Park and is located along the regional trail that runs from Michigan State University to Lake Lansing. The property would provide a wonderful location to eventually build a rest and reprieve facility for trail enthusiasts and community members looking to explore and utilize our region. This acquisition would also allow for a new entrance to Nancy Moore Park (which is part of Central Park) and would be an awesome addition and would provide a safer entrance.

As an avid park and trail user and Director of the Ingham County Parks, I am in support of improving and maintaining the parks and trail system in Meridian Township. As a park visitor and Park Professional, I see firsthand the families, seniors, and others who come to enjoy the lovely natural features of our area. Recreational opportunities like paved pathways and parking for accessibility to such amenities are a very useful addition providing a means for exercising and negotiating the areas of the park. Recreation is critical for all to recreate one's body, mind, spirit, and souls!

The Ingham County Parks Department and Staff supports the efforts of the Township to improve Central Park/Nancy Moore Park. Should you have any questions please feel free to talk to me.

Sincerely,



Tim Morgan, CPRP (Certified Parks & Recreation Professional),
Director, Ingham County Parks
121 E. Maple St., Suite 102
Mason, Michigan 48854
517-676-2233
tmorgan@ingham.org



Ingham County Parks & Recreation Department

121 E. Maple St., PO Box 178, Mason, MI 48854
Phone: (517) 676-2233 Fax: (517) 244-7190
www.inghamcountyparks.org email: parks@ingham.org

Jane Greenway

From: Christoffer Heggelund <cheggelund@yahoo.com>
Sent: Tuesday, August 04, 2020 10:42 AM
To: Jane Greenway
Subject: Park expansion

Dear Ms. Greenway:

Please accept this letter of support for Meridian Township's 2020 application for a grant acquisition through the Michigan Natural Resources Trust Fund program. This grant application, known as the "MSU to Lake Lansing Regional Trail Hub Acquisition" proposes to acquire a 1.85 acre property located at 5280 Okemos Road, Haslett, Michigan 48840. This property is directly adjacent to Central Park/Nancy Moore Park and is located along the regional trail that runs from Michigan State University to Lake Lansing. The property would provide a wonderful location to eventually build a rest and reprieve facility for trail enthusiasts and community members looking to explore and utilize our region. This acquisition would also allow for a new entrance to Nancy Moore Park (which is part of Central Park) and would be a welcome addition and would provide a safer entrance.

As an avid park and trail user, I am in support of improving and maintaining the parks and trail system in Meridian Township. As a park visitor, I see firsthand the families, seniors, and others who come to enjoy the lovely natural features of our area. Paved pathways and parking are a very useful addition providing a means for exercising and negotiating the areas of the park.

In short, our family eagerly supports the efforts of the Township to improve Central Park/Nancy Moore Park.

Sincerely,

Chris Heggelund
517-881-6207

Jane Greenway

From: Evan Goodman <evanrgoodman@gmail.com>
Sent: Friday, July 17, 2020 5:50 PM
To: Jane Greenway
Subject: Letter of support for Nancy Moore Park acquisition

Good afternoon,

Please accept this letter of support for Meridian Township's 2020 application for a grant acquisition through the Michigan Natural Resources Trust Fund program. This grant application, known as the "MSU to Lake Lansing Regional Trail Hub Acquisition" proposes to acquire a 1.85 acre property located at 5280 Okemos Road, Haslett, Michigan 48840. This property is directly adjacent to Central Park/Nancy Moore Park and is located along the regional trail that runs from Michigan State University to Lake Lansing. The property would provide a wonderful location to eventually build a rest and reprieve facility for trail enthusiasts and community members looking to explore and utilize our region. This acquisition would also allow for a new entrance to Nancy Moore Park (which is part of Central Park) and would be a welcome addition and would provide a safer entrance.

As an avid park and trail user, I am in support of improving and maintaining the parks and trail system in Meridian Township. As a park visitor, I see firsthand the families, seniors, and others who come to enjoy the lovely natural features of our area. Paved pathways and parking are a very useful addition providing a means for exercising and negotiating the areas of the park.

In short, our family eagerly supports the efforts of the Township to improve Central Park/Nancy Moore Park.

Thank you!

--

Sincerely,
Evan Goodman, PhD, HSPP
Licensed Psychologist in Michigan, Indiana
Research Consultant, Data Scientist



March 17, 2016

Jane Greenway
Parks and Land Management Coordinator
Meridian Charter Township
5151 Marsh Road
Okemos MI 48864

Dear Jane:

This letter is in support of the two grants that Meridian Township is applying for from the Michigan Natural Resources Trust Fund. As you know, the Meridian Garden Club has been collaborating with the Township since 1970 to improve and maintain the gardens of Central Park. As such, we are well aware of other improvements that would be most welcome, for example, a new and better located restroom that would serve our gardeners as they work in Central Park as well as the many visitors to the park. This is a much needed facility and would serve all if fully accessible.

When the members of our garden club work in the park we see firsthand the families and seniors and others who come to enjoy the lovely natural features of the area. Paved pathways would be such a useful addition providing a means for exercising (walking, biking, etc.) and for ease of negotiating the areas of the park. Certainly, wheelchair users would then be able to avail themselves of this wonderful Township resource.

In short, the Meridian Garden Club which is now at 82 members, eagerly supports the efforts of the Township to improve Central Park and is ready to continue to work with them to beautify our parks.

Sincerely,

Madeline Masterson
President
Meridian Garden Club

March 15, 2016

Dear Leaders of Meridian Township,

I have read the Central Meridian Regional Trail Connectivity proposal, and I think it's a great idea! To be able to navigate through the heart of Meridian Township—and connect from Michigan State's campus to Lake Lansing—on a car-free bike path—is nearly a dream come true!

The myriad connections this trail will make are endless. Summer concerts and the beach of Lake Lansing, the farmers market, the mall, countless restaurants, coffee shops, breweries, and other local businesses are now but a short, safe bike ride away. I'm hopeful that all of these businesses will embrace the new path and the swell of bicyclists and add smartly placed bike racks near their establishments.

Since I live in Williamston and work at MSU, I have multiple options for my bike commute. If I need to get to work quickly and am feeling adventurous, I can take Grand River Avenue to East Lansing. On most days, though, I take a longer, scenic, less-traveled route via Haslett and the Interurban Bike Path.

With this new path, however, I can take a scenic route that won't add many extra miles to my ride. I'm hopeful that this new pathway will encourage even more people to leave their cars at home and pedal to work.

This pathway is just another example of the fine work of the Meridian Township Parks Department. And looking at the cost, it looks like a veritable bargain compared to other community enhancement projects.

Just when I think our recreational facilities and parks couldn't get any better, another great idea like this gets proposed and is approved. Keep up the great work!

Sincerely,

Layne Cameron
1234 Wild Cherry Drive
Williamston, MI 48895

AUDUBON
SOCIETY

March 25, 2016

Jane Greenway
Parks and Land Management Coordinator
Meridian Township
2100 Gaylord Smith Court
Haslett MI 48840

RE: BIRDING IN CENTRAL PARK AND NEAR LEGG PARK, MERIDIAN TOWNSHIP

Hi Jane,

In my almost 40 years as a Meridian Township resident, I have frequently taken advantage of the many natural areas that this township protects. There is a wonderful diversity of important habitats that provide good opportunities for wildlife viewing. As an avid birdwatcher and past-president of the Capital Area Audubon Society, I have spent many, many days birdwatching and leading bird walks in the township.

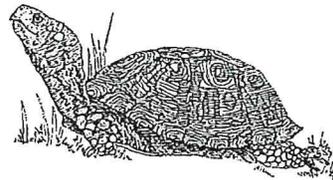
Legg and Central parks and surrounding land provide excellent habitat for birds and birdwatching. Breeding birds include barred owls, eastern bluebirds, tree swallows, American woodcocks, and occasionally Louisiana waterthrushes among many others. These parks also are especially good for viewing migrating birds each spring and fall. Quality stopover habitat is crucial for birds to re-fuel for their journey north and south. Warblers, vireos, flycatchers, tanagers, sparrows, and orioles can be quite numerous. I usually lead at least one bird walk in these areas each spring. Participants on these walks include both beginning and experienced birders from the township.

The property surrounding Legg Park would be a wonderful addition to the already existing preserved land within the township. Protecting and expanding existing natural areas within Meridian Township will prove beneficial to birds, other wildlife, and the residents of Meridian Township.

Bruce Cohen
Meridian Township Resident
Past-President Capital Area Audubon Society

Harris Nature Center

A Meridian Township Park Millage Facility



March 14, 2016

Mrs. Jane Greenway
Parks and Land Management Coordinator
5151 Marsh Rd.
Okemos, MI 48864

Dear Jane Greenway,

It is with great excitement that I provide this letter to you in support of the Central Meridian Trail Connectivity Project in Meridian Township's Central Park.

As a Park Naturalist, I have spent my days studying, learning and teaching about wildlife and the value of the land to wildlife for the past 17 years. The majority of those years have been spent right here in Meridian Township and I have seen first-hand not only the importance of Central Park to the public of Meridian Township and the surrounding areas, but the importance of the park to wildlife living there. The nearly 200 acres in this park showcases a variety of habitats including wetlands, upland forests, meadows and ponds which hosts a large variety of flora and fauna with viewing opportunities at the pond and along the current trail system. Having an accessible trail that connects Central Park and the Meridian Historical Village to other adjacent parks will not only enhance the wildlife viewing opportunities, but would be a wonderful added amenity which enables park visitors to spend time outside.

Central Park in Meridian Township is home to many species both common and rare. Some of the species a visitor could see or hear include:

- White-tail Deer
- Coyote
- Red Fox
- Muskrat
- Great Blue Heron
- Green Heron
- Pileated Woodpecker
- Red-headed Woodpecker
- Red-bellied Woodpecker
- Hairy Woodpecker
- Downy Woodpecker
- Northern Flicker
- Eastern Bluebird
- Ruby-throated Hummingbird
- Tree Swallow
- Yellow Warbler
- White-throated Sparrow
- Cedar Waxwing
- Belted Kingfisher
- Mallard Duck
- Wood Duck
- Canada Goose
- Barred Owl
- Great-horned Owl
- Eastern Screech Owl
- Cooper's Hawk
- Red-tail Hawk
- Turkey Vulture
- Common Snapping Turtle
- Painted Turtle
- Eastern Gray Tree Frog
- Eastern American Toad
- Green Frog
- Wood Frog
- Leopard Frog
- Northern Spring Peeper
- Eastern Garter Snake
- Brown Snake
- Red-bellied Snake
- Eastern Milk Snake

As you wander through the many acres of Central Park, you will encounter several other wildlife species both big and small.

Over the years, we have all continued to learn more about the importance of being outside and being active. Meridian Township Parks strives to provide opportunities for the public to do just that. Thank you for considering the benefits of the Central Meridian Trail Connectivity Project. It would not only be appreciated by Meridian Township, but I truly believe the public will take advantage of the opportunity to take a break from their busy lives and appreciate all that Central Park has to offer.

Sincerely,

A handwritten signature in cursive script that reads "Kati Adams".

Kati Adams
Senior Park Naturalist
Harris Nature Center



Meridian Township
5151 Marsh Road
Okemos, MI 48864

P 517.853.4000
F 517.853.4096

Township Board:

Ronald J. Styka
Township Supervisor

Brett Dreyfus
Township Clerk

Phil Deschaine
Township Treasurer

**Patricia Herring
Jackson**
Township Trustee

Dan Opsommer
Township Trustee

Kathy Ann Sundland
Township Trustee

Courtney Wisinski
Township Trustee

Frank L. Walsh
Township Manager

July 15, 2020

Kelly R. Jones, PE
Director of Engineering & County Highway Engineer
Ingham County Road Department
Austin E. Cavanaugh Administration Building
301 Bush St, PO Box 38
Mason, MI 48854-0038

Dear Kelly,

I am writing in response to your letter regarding the Okemos Road Bridge Replacement Project in Meridian Township as it relates to two of our parks (Wonch and Ferguson) located in the bridge replacement area. It appears that planning and precautions have been planned in order to keep both parks open and accessible during construction as well as eliminating any adverse short and long term impacts to these park areas. The Park Commission is also very appreciative of the addition of the under-bridge walkway being installed as part of this project to support a safe pedestrian crossing area.

Please accept this letter as approval from the Meridian Township Park Commission as they unanimously supported this project as outlined in your letter dated July 14, 2020 and associated attachments. Please feel free to contact me if you have additional questions or to provide updates as the project progresses.

Sincerely,

LuAnn Maisner

LuAnn Maisner, CPRP, Director
Department of Parks and Recreation



INGHAM COUNTY ROAD DEPARTMENT
AUSTIN E. CAVANAUGH ADMINISTRATION BUILDING
301 Bush Street, P.O. Box 38, Mason, MI 48854-0038

William M. Conklin, PE
Managing Director



July 14, 2020

LuAnn Maisner
Parks and Recreation Director
Meridian Township
5151 Marsh Road
Okemos MI 48864

Dear Ms. Maisner:

The Ingham County Road Department (ICRD) is proposing to remove and replace both the northbound and southbound Okemos Road bridges over the Red Cedar River with a new single bridge structure. Okemos Road from Mt. Hope Road to just north of Wonch Park will also be reconstructed. Access to Ferguson Park will be modified to include a new permanent access drive connecting Okemos Road to the Ferguson Park driveway. See the attached Preferred Alternative figure for the proposed access drive. All proposed improvements are to occur within the existing road right-of-way and will not extend beyond the existing roadway curbs or bridge footprints. Therefore, no ground disturbing activities would occur within the parks. Construction is anticipated to start in the spring of 2021. See the attached Preferred Alternative figure for the construction limits and potential temporary grading.

Northbound traffic will be detoured to westbound Mt. Hope Road, to northbound Hagadorn Road, to eastbound Grand River Avenue, to southbound Okemos Road. Access to the parks will be maintained throughout construction. Access to Wonch Park will be restricted to southbound Okemos Road via the above-described detour. Access to Ferguson Park will be maintained by a temporary drive for southbound and northbound traffic. See the attached Maintenance of Traffic (MOT) figures.

Canoeing, kayaking, fishing, wading, etc. under the bridge will be closed at all times for safety and liability during construction. The Ferguson Park canoe/kayak launch would provide river access upstream (east) of the bridge. Per the Meridian Township Park Master Plan, Wonch Park has a "beach" area that is used as an informal canoe/kayak launch. This would be used for river access downstream (west) of the bridge. Both launches will be open throughout construction.

Due to the use of federal funds, the proposed bridge project is subject to the requirements of Section 4(f) of the Department of Transportation (DOT) Act of 1966, which affords protection to publicly-owned parks, recreation areas, and wildlife and waterfowl refuges. The purpose of this correspondence is to document that the Official with Jurisdiction concurs with the measures to minimize harm and the assessment of impacts. The following measures to minimize harm will be incorporated into the plans as plan notes and as environmental commitments in the NEPA document:

- During the design phase of the project, the plans and specifications will avoid permanent negative impacts or alterations to the parks. Specifications in the design documents will require that the contractor must restore the site to its pre-construction condition.
- The contractor shall be required to closely coordinate the construction schedule with the ICRD, Meridian Township, Meridian Township Parks Department, Meridian Fire and Police Departments, and Okemos Schools prior to the start of construction activities.

Telephone: (517) 676-9722 E-Mail: roads@ingham.org Web Site: <http://roads.ingham.org>

An Equal Opportunity Employer

- Prior to construction, members of the public will be notified of construction dates, alternative routes/detours, and park access.
- Access to Wonch and Ferguson Parks shall be maintained at all times.
- The non-motorized path on the west side of Okemos Road shall be maintained at all times during construction.
- Appropriate signage shall be installed to alert users of Wonch and Ferguson Parks of construction activities, access restrictions or closures, and to direct users to secondary access points.
- Temporary construction fencing shall be installed along proposed construction limits prior to the start of construction activities to protect the Section 4(f) properties and the public.
- No construction equipment or materials will be staged within the Section 4(f) properties.
- After construction work is completed, the park driveways and adjacent property within the right-of-way will be restored to its pre-construction condition or better.
- The black fencing along the east side of Okemos Road will be re-installed/replaced as part of the bridge design.
- The new bridge structure will be designed and constructed to accommodate a non-motorized underpass.
- The Ferguson Park gate is to remain in its current location.
- If it is determined that the Ferguson Park Sumbal Natural Area sign needs to be relocated during design due to visibility concerns, the County will relocate the sign in coordination with the Township.

In accordance with 23 CFR 774, the project does not constitute a “use” of the Section 4(f) properties (Wonch and Ferguson Parks) based on the following assessment:

- No restriction of access or incorporation of land from the Section 4(f) property into transportation facility will occur.
- No change in ownership of the Section 4(f) property will take place.
- The scope of work is minor, as the nature and magnitude of the changes to the Section 4(f) property are minimal.

Based on the scope of the proposed project and type of work, no permanent restriction of access or incorporation of land from Wonch or Ferguson Parks into a transportation facility will occur. **If you concur with the measures to minimize harm and the assessment of impacts in regard to the proposed undertaking, please indicate as such by responding accordingly to this letter.**

Thank you for your time and cooperation on this matter. If you have questions and/or concerns, please feel free to contact me via email at kjones2@ingham.org.

Sincerely,



Kelly R. Jones, PE
Director of Engineering & County Highway Engineer
INGHAM COUNTY ROAD DEPARTMENT

cc: Lessons, Whitten / DLZ
Jildeh / Fishbeck
Perry / Meridian Township
Conklin / ICRD
file

Community-scale distribution of *Ixodes scapularis* ticks in the Lansing, MI area and risk of exposure to *Borrelia burgdorferi* and *Anaplasma phagocytophilum* (Summer 2019)

Report prepared by Jake Kryda¹ and Jean Tsao^{1,2}

¹Midwest Center of Excellence for Vector-borne Diseases (jkryda@gmail.com)

²Department of Fisheries and Wildlife, Michigan State University (tsao@msu.edu)

6/27/20

Abstract

As blacklegged ticks (*Ixodes scapularis*) continue to colonize the state of Michigan, bringing with them the risk of Lyme disease, human anaplasmosis, and other diseases, monitoring the spread of ticks is critical for public health initiatives. While statewide monitoring of ticks has occurred in 2018 and 2019, community-centered active surveillance at a more local spatial scale has been performed less frequently. Thus, the objective of this study was to understand the spatial distribution of risk for Lyme disease and human anaplasmosis in the Lansing, Michigan metropolitan area by using a network of public parks as a proxy for general geographic distribution in the community. Approximately 460,000 people live in the greater Lansing area, which includes rural, suburban, and urban environments. Understanding the distribution of new disease vector organisms as their populations become established, and pathogen prevalence within those populations, will allow for more accurate risk assessment within the community and more targeted public health approaches for vector borne disease risk mitigation. The presence of blacklegged ticks and their density was established by drag sampling 19 public parks throughout the Lansing, MI metropolitan area. Sampling was done in standardized transects at each location 2 – 8 times throughout the summer. A total of 953 ticks were collected with 941 blacklegged ticks being collected in 14 of the 19 dragging locations. The remaining 12 ticks were all American dog ticks (*Dermacentor variabilis*). Of the 14 positive locations, 2 of these (Fenner Nature Center and Anderson Nature Park) had comparatively high densities with an order of magnitude greater than other parks. Collected samples were assayed in the laboratory for the presence of causative pathogens of Lyme disease (*Borrelia burgdorferi*) and human anaplasmosis (*Anaplasma phagocytophilum*). A total of 7 blacklegged ticks from 2 sites were positive for *B. burgdorferi*, while 2 blacklegged ticks from 2 sites were positive for *A. phagocytophilum*. As a result of detecting *B. burgdorferi*-infected questing blacklegged ticks at one of its parks, Eaton County should now be considered at risk for Lyme disease.

Introduction

Since blacklegged tick (*Ixodes scapularis*) populations were first described in the state of Michigan in 1992 (Strand et al. 1992), beginning in Menominee county in the southwest of Michigan's Upper Peninsula, there has been a continuing invasion and establishment of populations throughout the state. As of the statewide active sampling survey conducted in 2018, the majority of Michigan counties (44/83) have been confirmed to have established populations of blacklegged ticks (Tsao, unpublished data) per CDC guidelines of population establishment (Dennis et al. 1998; Eisen et al. 2016). These are areas sampled in which six ticks of any particular life stage, or ticks of multiple life stages have been detected. Additionally, blacklegged ticks have been detected from, but have not been confirmed as being established, in another 17 counties.

With the expansion of blacklegged ticks into new territory comes an increased risk of the human population being exposed to vector borne diseases carried by blacklegged ticks. Between the years 2004-2016, reported tick-borne diseases throughout the country effectively doubled (CDC, 2018). Principal among these is Lyme disease, which is the single most common vector borne disease reported in the United States and made up a total of 82% of the incidence of tick-borne disease during this time period (CDC, 2018). Incidence of anaplasmosis, the next most commonly reported tick-borne disease and also spread by blacklegged ticks, has shown a reported increase across the same time period. This trend logically can be expected to continue as the blacklegged tick range expands, if not potentially for public health measures to counteract it.

Although statewide blacklegged tick surveys have been conducted within Michigan at the scale of individual counties, similar to other states, community level surveys are less common. While the Lansing, MI area (Figure 1) has had a confirmed presence of blacklegged ticks since 2014 and a few sites (Fenner Nature Center, Scott Woods, Baker Woodlot (MSU Campus), Rose Lake Wildlife Research Area) have been sampled regularly, this information is of too limited resolution to provide for targeted public health approach within a larger metropolitan area. The overall purpose of our study was to better understand the public health risk blacklegged ticks pose across the community by using active surveillance to assess the distribution and densities of ticks from various sites throughout the region, and by screening sampled ticks for the causative pathogens of Lyme disease (bacteria *Borrelia burgdorferi*), anaplasmosis (bacteria *Anaplasma phagocytophilum*), and *Borrelia miyamotoi* disease (*Borrelia miyamotoi*).



Figure 1 Location of Lansing in Michigan

Methods and Materials

Site Selection

The presence and density of host-seeking nymphal blacklegged ticks were estimated throughout 19 public areas comprising city and county parks and state lands in the Lansing Metropolitan Area by drag sampling (Daniels and Fish 1990). Prospective sites were chosen through a combination of consultation with the Ingham County Health Department, collaboration with colleagues, and preliminary surveys of the Lansing area using Google Maps. Potential dragging sites were then scouted in person for suitability, inspecting for suitable closed canopy deciduous forest. Available park facilities were noted and photographed. Sites were selected on the criteria of having suitable forested and forest edge habitat for *I. scapularis* and a high probability of human interaction in that environment (e.g., hiking trails or park facilities adjacent to or within forest). Eighteen sites in addition to Fenner Nature Center (reference site) were selected.

Sampling Procedure

Drag sampling was conducted along transects covering $\geq 1500 \text{ m}^2$ at each site for from May 31 - July 20, 2019, during the questing activity period of the blacklegged nymphs. The objective was to sample each site three times during this time period. The nymph is the epidemiologically most risky life stage for Lyme disease and human anaplasmosis. This sampling was conducted at intervals of 1 to 2 weeks for designated sites. Transects were selected at sites by being located within deciduous forest habitat, preferably along hiking trails and along deciduous forest edge in close proximity to high use areas (e.g. playgrounds). Upon arrival at sites, local weather conditions were measured using hand-held Kestrel 3000 weather meter. Arrival time, temperature, relative humidity, and wind speed were recorded along with general notes on weather conditions and forest composition. Weather measurements were repeated upon conclusion of dragging. Drag cloths made from 1 m^2 corduroy fabric were used to collect samples. While performing sampling, drag cloths were examined for ticks at

Results

Total Tick Collection

From 5/31/19 to 7/20/19, we sampled 18 parks in addition to our reference site, Fenner Nature Center. If we do not consider Fenner Nature Center, we collected a total of 257 ticks (Table 1). *Ixodes scapularis* and *D. variabilis* were the only two tick species detected in sampling efforts, and both adult and nymphal blacklegged ticks were collected. From the other 18 parks, *I. scapularis* ticks were detected in thirteen (Table 2). Five additional parks were only dragged on one or two occasions to reduce workload after dragging efforts failed to detect *I. scapularis* ticks, or in some cases, due to limited sampling area.

Table 1. Total number and species of host-seeking adult and nymphal ticks collected by drag sampling from 18 parks in the greater Lansing area from 5/31/19 to 7/20/19.

Species	Adults	Nymphs	Total
<i>Dermacentor variabilis</i> (American dog tick)	11	0	11
<i>Ixodes scapularis</i> (Blacklegged tick)	10	236	246

Across the total area sampled in all sites (including Fenner Nature Center) in the greater Lansing area (84,100 m²), the average density of *I. scapularis* nymphs (the life stage most likely to transmit disease) was found to be 9.2 ticks per 1000 m². Density rises to 10.3 ticks per 1000 m² when considering only sites in which *I. scapularis* was detected. While ticks were found to be present in the majority of parks sampled in greater Lansing (14/19), density was highly variable among locations. For example, excluding Fenner Nature Center, more ticks were found in Anderson Nature Park than at all other sites combined, and a density of 33.4 blacklegged nymphs per 1000 m² was observed. At Fenner Nature Center, an even higher average density of 62 blacklegged nymphs per 1000 m² was observed. But, all other sites had densities of < 3 blacklegged nymphs per 1000 m².

Table 2. Tick surveillance data for 19 individual parks, listed alphabetically, gathered by drag sampling in the greater Lansing area 5/31/19 to 7/20/19.

	Location	# Times Sampled	Total Area Sampled (m ²)	Total <i>D. variabilis</i>	Total <i>I. scapularis</i>	Nymphal <i>I. scapularis</i>	Adult <i>I. scapularis</i>	Nymphal <i>I. scapularis</i> per 1000 m ²	Adult <i>I. scapularis</i> per 1000 m ²
1	Anderson Nature Park	4	5000	7	167	165	2	33.0	0.4
2	Bennett Park	2	3000	0	0	0	0	0.0	0.0
3	Burchfield Co. Park	3	4200	0	3	3	0	0.7	0.0
4	Capitol City Bird Sanctuary	3	4200	1	7	7	0	1.7	0.0
5	Corey Marsh Ecological Research Center	3	4500	0	6	5	1	1.1	0.2
6	Fenner Nature Center	8	11200	1	695	534	137	47.7	12.2
7	Fitzgerald Park	2	2400	0	0	0	0	0.0	0.0
8	Grand Woods Park	3	3500	0	9	9	0	2.6	0.0
9	Dansville State Game Area	2	3000	0	1	1	0	0.3	0.0
10	Hartrick Park	3	3400	1	7	6	1	1.8	0.3
11	Hawk Island Co. Park	5	7500	0	17	13	4	1.7	0.5
12	Lake Lansing Park North	4	5300	0	2	1	1	0.2	0.2
13	Meridian Riverfront Park	4	6000	0	2	2	0	0.3	0.0
14	Nancy Moore Park	2	3000	0	0	0	0	0.0	0.0
15	Potter Park	5	6700	0	8	8	0	1.2	0.0
16	Rayner Park	1	1200	0	0	0	0	0.0	0.0
17	Richard A. Padgett Natural Area	3	4500	0	5	4	1	0.9	0.2
18	Valhalla Park	1	1000	0	0	0	0	0.0	0.0
19	Woldumar Nature Center	3	4500	2	12	12	0	2.7	0.0
	Total		84100	12	941	770	147	9.2	1.7
	Sites where <i>I. scapularis</i> was detected		74700					10.3	2.0

*Data from Fenner Nature Center collected from separate, ongoing study conducted by Michigan State University.

Parks were separated into four categories based on density of ticks found by adapting categories used in a previous study (Diuk-Wasser et al. 2014): No ticks, low density (< 0.7 ticks per 1000m²), intermediate (0.7 – 8.2 ticks per 1000 m²), and high (> 8.2 ticks per 1000 m²). In five parks no ticks were found, three parks were low density, nine parks were intermediate density, and two parks were high density (Figures 2, 3).

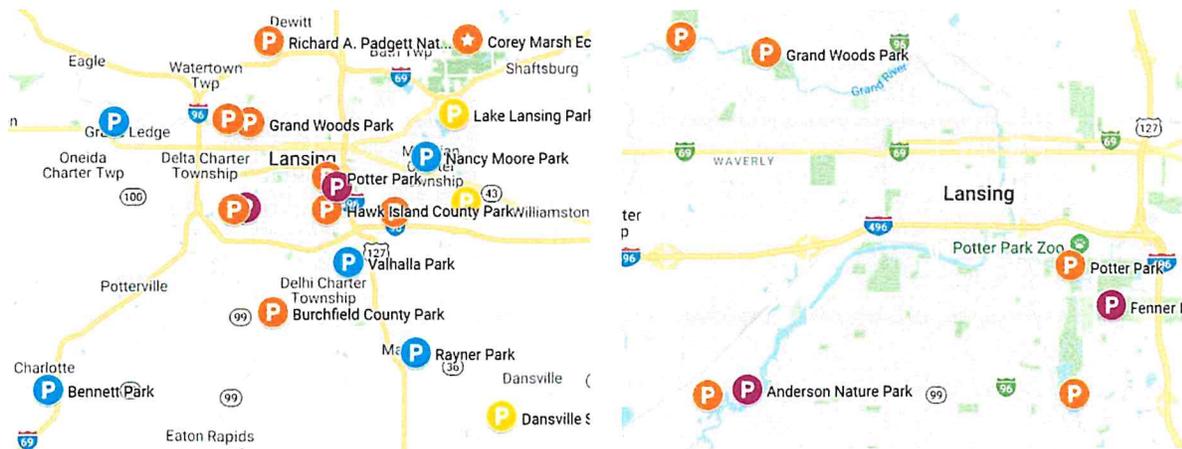


Figure 2. Field sites (n=19) color coded by questing nymphaeal *I. scapularis* density for the entire sampling area (left) and high density parks (plus a few of the intermediate density parks) (right) as per Diuk-Wasser et al. 2014. “P” symbol denotes public parks, while “*” denotes Michigan State University ecological research property. Blue = No ticks found, Yellow = Low density, Orange = Intermediate density, Red = High density.



Figure 3. Parks in which no blacklegged ticks were collected after two visits (green) and parks in which no ticks were collected and found to have insufficient area to sample (black).

Pathogen Presence

Ticks were tested for presence of *B. burgdorferi*, *B. miyamotoi*, and *A. phagocytophilum*. Positive results were found in 3 parks for *B. burgdorferi* and in 2 parks for *A. phagocytophilum* (Table 3). No samples from any site were found to be positive for *B. miyamotoi*.

Out of a total of 127 ticks tested, 7 tested positive for *B. burgdorferi* and 2 tested positive for *A. phagocytophilum*. In locations where testing of samples for pathogens gave positive results, pathogen prevalence ranged from 0.125 (*B. burgdorferi* within nymphal specimens, Potter Park) to 1 (*A. phagocytophilum*, adult specimens, Richard A. Padgett Natural Area). The small sample sizes of specimens collected in all but two locations limit our ability to accurately speak to prevalence aside from simple confirmation of presence of pathogens in most parks. Anderson Nature Park and Fenner Nature Center were the two sites sampled in which enough ticks were collected in which to estimate meaningfully pathogen infection prevalence. Out of 50 Anderson nymphs tested, 5 (10%) were positive for *B. burgdorferi*, while none (0%) were positive for *A. phagocytophilum*. For Fenner Nature Center, 15.1% and 5.7% of nymphs were positive for *B. burgdorferi* and *A. phagocytophilum* respectively.

Table 3 Density of infected ticks at the 9 sites in the greater Lansing area where pathogens were detected. Bb denotes *B. burgdorferi* and Ap denotes *A. phagocytophilum*. No Bb was detected in adult *I. scapularis*. All *I. scapularis* collected from each site were tested, with the exception of Anderson Nature Park, where testing of nymphs was limited to 50 samples.

Location	Bb	Ap	Bb nymphal infection prevalence (total tested)	Ap adult infection prevalence (total tested)	Ap nymphal infection prevalence (total tested)	Bb positive nymphal <i>I. scapularis</i> per 1000 m ²	Ap positive adult <i>I. scapularis</i> per 1000 m ²	Ap positive nymphal <i>I. scapularis</i> per 1000 m ²
Anderson Nature Park	+	-	0.1 (50)	0 (2)	0 (50)	1	0	0
Burchfield Co. Park	-	-	0 (3)	0 (0)	0 (3)	0	0	0
Capitol City Bird Sanctuary	-	+	0 (7)	0 (0)	0.143 (7)	0	0	0.24
Corey Marsh Ecological Research Center	-	-	0 (5)	0 (1)	0 (5)	0	0	0
Grand Woods Park	-	-	0 (9)	0 (0)	0 (9)	0	0	0
Dansville State Game Area	-	-	0 (1)	0 (0)	0 (1)	0	0	0
Fenner Nature Center*	+	+	0.151 (106)	0.022 (182)	0.057 (106)	7.20	0.27	2.72
Hartrick Park	-	-	0 (6)	0 (1)	0 (6)	0	0	0
Hawk Island Co. Park	+	-	0.077 (13)	0 (4)	0 (13)	0.13	0	0
Lake Lansing Park North	-	-	0 (1)	0 (1)	0 (1)	0	0	0
Meridian Riverfront Park	-	-	0 (2)	0 (0)	0 (2)	0	0	0
Potter Park	+	-	0.125 (8)	0 (0)	0 (8)	0.15	0	0
Richard A. Padgett Natural Area	-	+	0 (4)	1 (1)	0 (4)	0	0.22	0
Woldumar Nature Center	-	-	0 (12)	0 (0)	0 (12)	0	0	0

*Bb positive adult density = 3.49/1000 m²

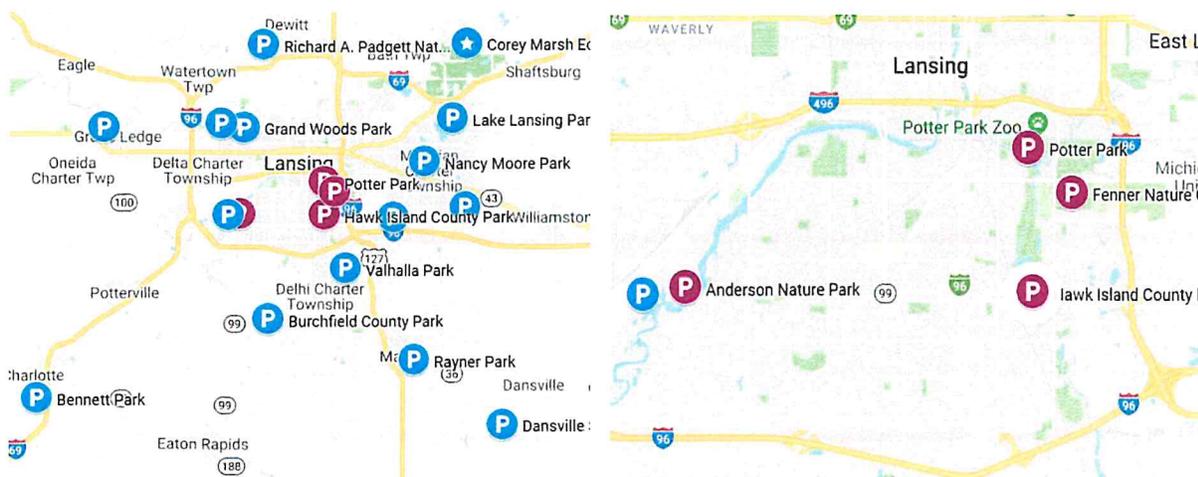


Figure 4. Sites within Lansing in which *Borrelia burgdorferi* was detected in questing *Ixodes scapularis* at levels of entire sampling area (left) and zoomed in (right) to show positive sites (magenta).

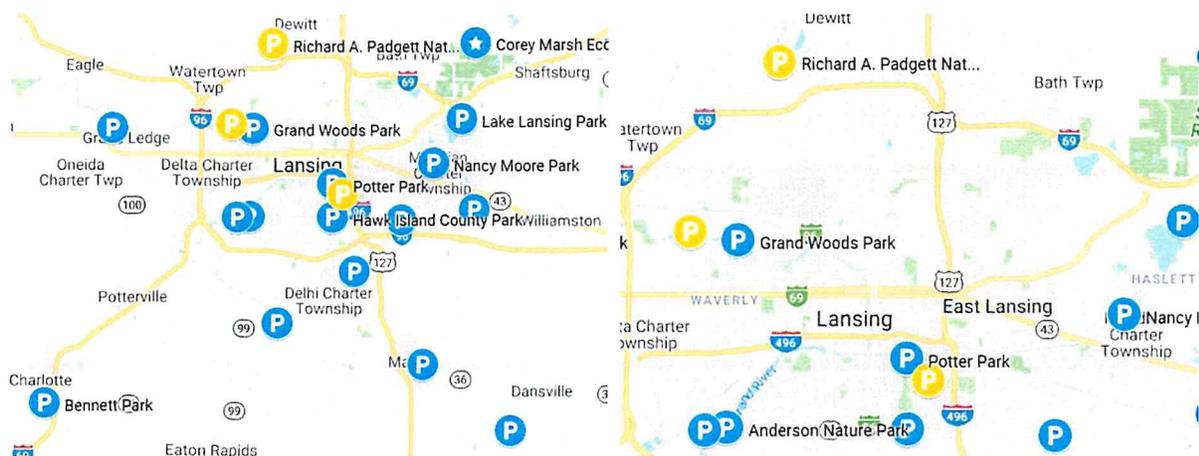


Figure 5. Sites within Lansing in which *Anaplasma phagocytophilum* was detected from questing *Ixodes scapularis* at levels of entire sampling area (left) and zoomed in to show positive sites (yellow).

Discussion

In 2019, 19 public sites in the greater Lansing area were sampled for blacklegged ticks. These parks were sampled during the *I. scapularis* nymphal host-seeking period to estimate the environmental risk for Lyme disease. Blacklegged ticks were detected at 14 sites (including our reference site). Nymphal tick densities varied 10 fold. Risk of infection for *B. burgdorferi* was detected in four sites (including our reference site) and *A. phagocytophilum* in three sites. Data from this survey shows the presence of blacklegged ticks in northeastern Eaton County, and to a lesser extent, the presence of *B. burgdorferi*. The detection of *B. burgdorferi*-infected questing nymphs in a park in Eaton County (5/50 tested, or 10%), however, suggests that the county should be considered at risk for Lyme disease. The detection of *A. phagocytophilum* in two parks in that area (one is in Clinton County) also suggests that *I. scapularis* is becoming established and the associated diseases are expected to be emerging in that area, if they have not already.

It is hard to establish the spatial relationship between areas of detected blacklegged ticks as well as different blacklegged tick densities. The data collected yielded some results which were surprising. Among these was that ticks were confirmed in two small and insular spaces (Potter Park and Hartrick Park) while their presence was not detected in multiple larger parks, where one might assume a greater presence of host species such as white-tail deer would be found to establish new tick populations. In Potter Park, ticks were only found in a strip of deciduous oak forest with an area of approximately 0.01 km² on the far west side of the park (Supplemental Figure 1). This is, in fact, the furthest possible location in Potter Park from Hawk Island, to which it is connected by the Kalamazoo River Trail system, and Fenner Nature Center, which is geographically close (0.6 km) and has the highest known blacklegged tick densities in Lansing (Supplemental Figure 2). In Hartrick Park, we observe a small island of deciduous forest in the northwest corner of the park constituting an area of approximately 0.05 km², with hiking trails that provide less than 1000 linear meters for total sampling. The immediate surrounding area consists of a high school and several suburban neighborhoods. However, Hartrick Park reliably had ticks

over the course of the summer sampling period. Both small parks qualify per guidelines established by Dennis et al. (1998) and in use by the CDC as having established blacklegged tick populations.

This may be contrasted with Nancy Moore Park with an area of 1 km² on the east side of the Lansing area in Meridian Township, Fitzgerald Park (0.3 km²) on the far west side of the Lansing Area in the town of Grand Ledge, and Bennett Park (0.4 km²) in the far southwest of our sampling area in the town of Charlotte. All three are much larger parks with a much greater area of deciduous forest which, superficially, appears to be suitable *I. scapularis* habitat. Bennett Park may be unsuitable because a great deal of the forest sampled lies in a flood plain, which was inundated in the spring of this season. This is not the case for Nancy Moore Park and Fitzgerald Park. Yet, if ticks were present at all in these locations, we can at least conclude they were not present in sufficiently great enough numbers to be detected by our dragging.

Another interesting feature of our survey are the two parks which would be categorized as areas of high density; these being Fenner Nature Center and Anderson Nature Park. Both sites were shown to have blacklegged tick densities an order of magnitude greater than other tick-positive sites included in the study. Prior to this study, Fenner had been known as an anomalous area within Lansing from previous and continuing sampling. Anderson had not been sampled prior to this study and is now the second confirmed high-density park in the Lansing area. Not only are these two sites anomalous within the whole of the Lansing area, but both parks are geographically situated in immediate proximity to other field sites where tick densities were lower, and more typical of the Lansing area.

Fenner is located within a kilometer of both Hawk Island Co. Park and Potter Park. Some geographic boundaries are present, such as a four-lane road, Sycamore Creek and the Red Cedar River. However, these areas are all interconnected by nature trails and pedestrian bridges as part of Lansing's river trail network. Additionally, Crego Park, which is only physically separated from Fenner Nature Center by Mt. Hope Road, has been sampled in the past. While ticks were detected previously, they were found in lower densities more typical of other Lansing parks and not like the densities seen at Fenner Nature Center (Tsao, unpublished data).

The observed difference in density between Anderson Nature Park and nearby Woldumar Nature Center is also noteworthy (Supplemental Figure 3). Woldumar did show the highest nymphal blacklegged tick densities of parks after Anderson and Fenner. Yet Anderson exhibited an observed density over twelve times that of Woldumar Nature Center. The only geographic boundary between the two parks is a single suburban cul-de-sac and X area of deciduous woods. A much more in-depth study of the habitat of these two sites and continuing seasonal observations would be necessary to determine why this disparity may exist, if the disparity does continue.

The overall pathogen prevalence within ticks sampled for the purposes of this study (i.e. excluding Fenner Nature Center) was low. For *B. burgdorferi* we can observe that positive samples were detected from the two parks in immediate proximity of Fenner Nature Center, and Fenner was known from previous sampling efforts to be a *B. burgdorferi* positive site (Tsao, unpublished). Nymphs infected with *B. burgdorferi* were also found to be present in Anderson Nature Park, which is unsurprising given the large established tick population.

The data gathered lend support to the "tick-first" model of Lyme disease spread (Hamer et al., 2010) in greater Lansing. In this scenario an *I. scapularis* population will establish itself, perhaps by long

dispersal of adult ticks by white-tailed deer, into an area prior to the arrival and establishment of *B. burgdorferi*. The pathogen will enter the area later through travel of infected mammals or birds. This contrasts with “spirochete-first” and “dual-invasion” models. In the former, the pathogen is cycled cryptically by ticks which do not feed on humans, establishing prior to blacklegged tick establishment. In the latter, mammalian and avian host movement establishes new blacklegged tick populations, simultaneously introducing *B. burgdorferi*. In both models, *B. burgdorferi* should be observed in locations with low blacklegged tick density, which it was not in the Lansing area, excepting parks in immediate geographic proximity to Fenner Nature Center.

Less may be inferred about the distribution of *A. phagocytophilum*. This pathogen was known to be present in the Lansing area from previous and continuing sampling at Fenner Nature Center. We now know that it may exist in at least two other locations in greater Lansing. In comparison to our *B. burgdorferi* distribution, the parks positive for *A. phagocytophilum* are much further apart from one another with far greater geographic boundaries between them, including rivers, interstate highways, and the urban center of Lansing. One possibility is that in these sites, with one positive site explicitly being a bird sanctuary, is that avian sources are primarily facilitating the spread of *A. phagocytophilum* into new areas. It is a mystery as to how birds might facilitate that spread of *A. phagocytophilum* more readily than *B. burgdorferi*. One should note, however, that our observations are based on very small sample sizes.

In the future, it would be of interest to continue this study on a yearly basis to assess both potential changes in blacklegged tick distribution over time as well as pathogen risk in the Lansing area. Greater numbers of blacklegged nymphs needed to be collected to assess more reliably for the presence, absence, and prevalence of infection. To assess disease risk even more accurately, it would be desirable to include in future years a detailed analysis of park use by patrons. This could be accomplished perhaps by observing the average number of people who make use of nature trails, where sampling primarily occurred, per week on average. Along with this, we could attempt to pinpoint the average time or distance spent on these wooded trails per patron. This could hypothetically be used to calculate a relative risk index for sites based upon person-hours spent by park patrons in blacklegged tick habitat multiplied by blacklegged tick density. This would allow local agencies to rank and prioritize parks and recreational areas for risk mitigation efforts.

The inclusion of citizen-science within this project would help to build a more comprehensive picture of the Lansing area, or any metropolitan area undertaking a similar effort to this project. The ability to self-report ticks, submit photos for species identification, and tag location of exposure is now available to us as researchers via electronic means through programs, such as the mobile health application, The Tick App. These data may aid in mapping tick distributions at finer resolutions such a metropolitan area or specific county. Though this will obviously not yield pathogen information, the hope is that the ease of use will greatly increase community involvement in tick monitoring efforts to help develop strategies to reduce tick bites and tick borne disease prevention.

Acknowledgements

We would like to extend sincerest thanks to the community members and workers whose assistance made this project possible. First, Rod McNeil and the Ingham County Health Department for early work suggesting Ingham County Parks as sampling locations. We also thank the staff at several of the area's local Nature Centers for extending permission to sample at their locations. This includes Liz Roxberry, Executive Director at Fenner Nature Center; Emma Campbell, Education and Stewardship Coordinator at Woldumar Nature Center; Kati Adams, Parks and Land Preservation Superintendent at Harris Nature Center; and Allison Goodman, Park Naturalist at Harris Nature Center. Additionally, we would like to thank Linnea Rowse, Conservation Program Coordinator with the Michigan Audubon Society, for permission to sample within the Capitol City Bird Sanctuary. Lastly, we extend our thanks to all the unlisted park workers of the Lansing Area, whose daily work upkeeping the area parks were essential for this effort.

We would like to thank all members of the Tsao Lab who assisted with this project, including Vishvapali Kobbekaduwa, Joseph Pastori, and Allison Yackley, for assistance in assaying samples for pathogens. Additionally, we would like to thank Kimberly Fake and Dr. Megan Porter for their assistance with project design and tick identification.

Lastly, we would like to thank the Midwest Center for Excellence for Vector Borne Disease for fellowship funding and travel expenses (JK), as well Linda Lobes and the Michigan Lyme Disease Association, which funded the laboratory assays that were vital to this project.

Literature Cited

- Daniels, T.J., Falco, R.C. and Fish, D., 2000. Estimating population size and drag sampling efficiency for the blacklegged tick (Acari: Ixodidae). *Journal of Medical Entomology*, 37(3), pp.357-363.
- Dennis, D.T., Nekomoto, T.S., Victor, J.C., Paul, W.S. and Piesman, J., 1998. Reported distribution of *Ixodes scapularis* and *Ixodes pacificus* (Acari: Ixodidae) in the United States. *Journal of Medical Entomology*, 35(5), pp.629-638.
- Diuk-Wasser, M.A., Gatewood, A.G., Cortinas, M.R., Yaremych-Hamer, S., Tsao, J., Kitron, U., Hickling, G., Brownstein, J.S., Walker, E., Piesman, J. and Fish, D., 2014. Spatiotemporal patterns of host-seeking *Ixodes scapularis* nymphs (Acari: Ixodidae) in the United States. *Journal of Medical Entomology*, 43(2), pp.166-176.
- Drazenovich, Nicole., Foley, Janet., Brown RN. Use of Real-time quantitative PCR targeting the msp2 protein gene to identify cryptic *Anaplasma phagocytophilum* infections in wildlife and domestic animals. *Vector Borne and Zoonotic Disease*. 2006;6(1):83-90. doi:10.1089/ast.2007.0153
- Durden, L.A. and Keirans, J.E., 1996. Nymphs of the genus *Ixodes* (Acari: Ixodidae) of the United States: taxonomy, identification key, distribution, hosts, and medical/veterinary importance. Entomological Society of America.
- Eisen, R.J., Eisen, L. and Beard, C.B., 2016. County-scale distribution of *Ixodes scapularis* and *Ixodes pacificus* (Acari: Ixodidae) in the continental United States. *Journal of Medical Entomology*, 53(2), pp.349-386.
- Falco, R.C. and Fish, D., 1992. A comparison of methods for sampling the deer tick, *Ixodes dammini*, in a Lyme disease endemic area. *Experimental & Applied Acarology*, 14(2), pp.165-173.

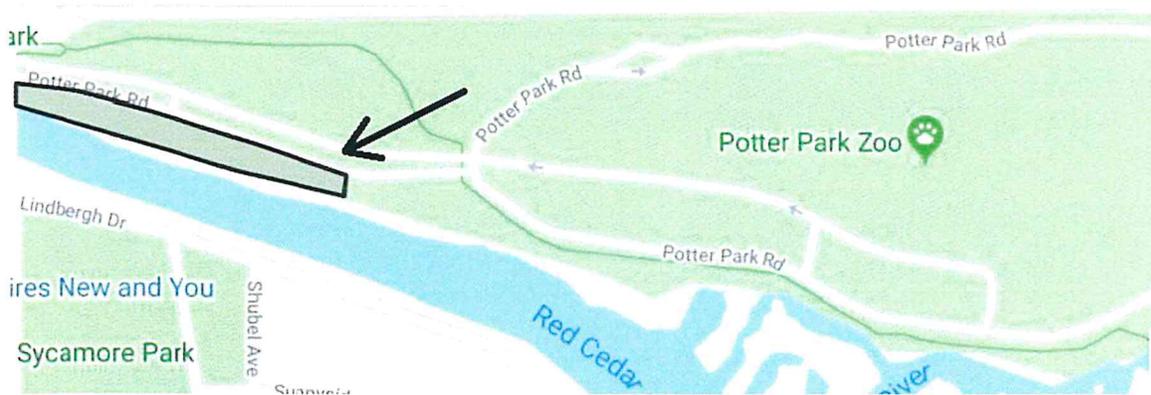
- Hamer, S.A., Tsao, J.I., Walker, E.D. et al., 2010. Invasion of the Lyme Disease Vector *Ixodes scapularis*: Implications for *Borrelia burgdorferi* Endemicity. *EcoHealth* 7: 47
- Keirans, J.E. and Litwak, T.R., 1989. Pictorial key to the adults of hard ticks, family Ixodidae (Ixodida: Ixodoidea), east of the Mississippi River. *Journal of Medical Entomology*, 26(5), pp.435-448.
- Sonenshine DE (1979) Ticks of Virginia, Blacksburg, VA: Virginia Polytechnic Institute and State University. College of Agriculture and Life Sciences.
- Strand M.R., Walker E.D., Merritt R.W., 1992. Field studies on *Ixodes dammini* in the Upper Peninsula of Michigan. *Vector Control Bull North Central States*.1:11-8

Supplemental figures

HARTRICK PARK



Supplemental Fig. 1 Trail map of Hartrick Park (Ingham County).



Supplemental Fig. 2 Area in which nymphal blacklegged ticks were collected within Potter Park (Ingham County). Total area approximately 0.01 km².



Supplemental Figure 3. Woldumar Nature Center and Anderson Nature Park are located very close (~ 1/2 mile) to each other just north of the Grand River in Eaton County. The estimated density of nymphal blacklegged ticks was approximately ten times greater at Anderson Nature Park compared with Woldumar Nature Center despite their proximity.

Great Lakes Echo | (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/>)

Along the Inter Urban

By Eric Freedman (<http://greatlakesecho.org/author/eric-freedman/>) | June 19, 2020

24
SHARES



Dawn breaks over the wetlands along the Inter Urban Pathway. Image: Eric Freedman

By Eric Freedman

I scratched an itch and found four goslings. I peeked at what had long piqued my curiosity and spotted a pair of spring-plumped robins. I followed my instincts and discovered a white-tailed deer just before she discovered me and fled.

All on my recent first journey along the Inter Urban Pathway.

As I pedaled past patches of wetlands, red-winged blackbirds flitted among the dried remains of last year's cattails. Stan Tekiela writes in his "Birds of Michigan Field Guide": "It is a sure sign of spring when the red-winged blackbird returns to the marsh. Nests are usually over shallow water in thick stands of cattails."

And so they had.

They called to mind lyrics from one of my favorite tunes by Canadian folk singer-songwriter [David Francey](https://www.davidfrancey.com/) (<https://www.davidfrancey.com/>):

Thought I heard a red-winged blackbird,
 Red-winged blackbird down my road,
 Thought I heard a red-winged blackbird,
 Red-winged blackbird down my road.
 He'll be there beside the river,
 When winter finally breaks its bones,
 He'll be king among the rushes,
 He'll be master of his home.

Also spotted during my first few forays: Two swans and a dozen Canada geese swimming, apparently unperturbed by those of us bicycling, jogging, dog-walking, scootering and just-plain walking the Inter Urban. A mallard stood in mid-pavement until I neared. A trio of rabbits scattered into the brush as I passed.

Sure, the Inter Urban isn't majestic or grand. You won't find it on lists of the best non-motorized pathways in the United States. It lacks the renown and history of the C&O Canal Trail running for more than 180 miles in Maryland and Washington, D.C. It's not a tourist draw or a B&B magnet or a mecca for birders building their life lists.

Among Michigan's rails-to-trails projects, it's a blip on the landscape compared to the 34½-mile Kal-Haven Trail in Van Buren and Kalamazoo counties.

The Inter Urban in Meridian Township, Michigan, is only 1¾ miles long. One segment opened in 2009 and the other in 2011. And yes, it took me a decade to explore what was so close to home.

It runs along a stretch of the Michigan United Railway Co.'s former 33-mile route between downtown Lansing to the west and Owosso to the east, past the popular summer recreation spot that's now Lake Lansing –once called Pine Lake. Local history and rail fan websites and the ubiquitous [Wikipedia](https://en.wikipedia.org/wiki/Michigan_United_Railways) (https://en.wikipedia.org/wiki/Michigan_United_Railways) explain that red ink led the company to discontinue service, and the tracks eventually were paved over or removed.

I don't want to oversell the Inter Urban.

Admittedly, the westernmost piece isn't scenic. That's along the back side of the East Lansing-Meridian Township water treatment plant with its huge sludge pond. You can hear the occasional horn of a passing freight train. Houses are visible along some sections of the pathway. And those geese leave yucky reminders of their presence on the pavement, forcing walkers, joggers and cyclist to navigate around them.

Modest though it be, the Inter Urban plays a role in a [grander plans](https://eastlansinginfo.org/content/river-trail-be-extended-east) (<https://eastlansinginfo.org/content/river-trail-be-extended-east>) to link up with the nearby Michigan State University campus and the long-established Lansing River Trail a couple of blocks from Michigan's 1879 Capitol. It could all be part of a route connecting Lansing's historic Turner-Dodge House with Lake Lansing Park.



Trail marker on the Inter Urban Pathway. Image: Eric Freedman

At the start of this essay, I mentioned an itch, curiosity and instincts. They come from the many, many times I've driven past one or another of the Inter Urban's access points. The western entrance is closest to my front door, just 0.8 of a mile by odometer, 4 minutes by watch – or just one stop sign, one traffic circle, two rights and two lefts.

I may not have recognized it over the years, but each pathway access sign or cyclist or walker I saw entering the Inter Urban may have contributed to that subconscious itch, whetted that unrealized curiosity and stirred those unstirred instincts.

This is true in much of our life: Time after time our eyes glimpse something of potential interest, but our minds fail to register it until later, if ever. This is even truer when that something is in a familiar local setting where we move around on autopilot.

The trigger, my resolve to bike the Inter Urban, was a recent walk past that entrance. A few days later, around 7 a.m., I hopped onto my bike and headed off.

I used to do a lot of cycling, sometimes 2,000 miles in a year, but that number tumbled and tumbled and tumbled even further due to work commitments, summer travels, international programs and visits to children and grandchildren scattered in three other states. In fact, last year I didn't even bring my bike up from the basement.

I had better intentions this year, even before deciding to explore the Inter Urban.

I carried my Trek into the garage, wiped off the dust and replaced the dead battery on its bike computer. My motivation was the coronavirus-induced long-term stay of two out-of-state grandchildren and the need to keep them occupied.

It may seem dense of me, but it wasn't until my fifth time on the Inter Urban that I registered the pathway's other connection with the COVID-19 pandemic – the importance of locality.

Maybe it took so long because my mind focuses elsewhere when I cycle or run laps. As a journalist, I use that time to write parts of my stories – and parts of this essay – in my head. As a professor, I use that time to plan lectures and classes and assignments. As an overall too-busy person, I use that time to expand my never-ending to-do list.

Maybe it took so long to recognize why locality matters because David Francey's words distractingly kept playing in my head.

Thought I heard a red-winged blackbird,
Red-winged blackbird down my road...

Safe as Moses in the rushes,
Builds his home on the river wide,
Every time I hear him singing,
Makes me feel like spring inside....

He'll be in there singing his heart out,
He'll be telling me stories too,
Of where he went to winter last year,
Of how he's going back there too.

Official and self-imposed restrictions on travel and access to public places like beaches, parks, rivers and the woods had been keeping me close to home since late March. That's undoubtedly true for many of my fellow Inter Urban users.

Under such circumstances, we pay more attention to escapes and opportunities close to home and rely more on our immediate environs to connect with the world outdoors. My friend, the nature essayist Tom Springer of Three Rivers, Michigan, says that cycling the trail more frequently may provide an intimacy I couldn't have encountered by riding the famous C&O Canal Trail just once while on vacation.

As for local, I can look out my window and see deer that have jumped the chain link fence into the backyard to chow down on my hosta and rose of Sharon, leaving pellets behind on the lawn as a reminder of their intrusion. Chipmunks scamper across my back deck. Agile squirrels raid my "squirrel-proof" bird feeder, finding black sunflower seeds as appetizing as do the cardinals, blue jays and American goldfinches it attracts, while voles scavenge below the feeder for dropped seeds. Rabbits squeeze under the wooden gates. Birds nest in my two handmade birdhouses painted by a grandson.

Although woodchucks – fortunately – abandoned our backyard and migrated after we tore down the playhouse they’d burrowed under, I watched one recently in my next-door neighbor’s yard. My visiting granddaughter delights in the myriad black and gray squirrels that navigate the telephone wires. I delight in the sounds of woodpeckers loudly foraging in nearby trees

The opposite side of my block includes Burcham Park (<https://knightcenter.jrn.msu.edu/2014/01/12/why-small-parks-matter/>), a 24-acre landfill-turned-city park with a municipal solar array, a wooded micro-hill for walking, sledding and cross-country skiing, wild blackberries and the site of the fort my son and friends built from broken branches and scraps of wood. It’s good for Frisbee-tossing, kite-flying and dog-walking.

And it’s only a 2-minute pedal down the road from the Inter Urban, the goslings and the red-wing blackbirds.

Share this:

 **Twitter** (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/?share=twitter&nb=1>)

 **Facebook** (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/?share=facebook&nb=1>)

 **Reddit** (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/?share=reddit&nb=1>)

 **Pinterest** (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/?share=pinterest&nb=1>)

 **Email** (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/?share=email&nb=1>)

 **Print** (<http://greatlakesecho.org/2020/06/19/along-the-inter-urban/#print>)

u



To: Park Commission
From: LuAnn Maisner, CPRP
Director of Parks and Recreation
Date: August 6, 2020
Re: Alert Siren In Marshall Park

The Fire Department is proposing to locate an Alert Siren in Marshal Park near the entrance and parking lot. This is part of a multi-year project of Meridian Township to increase our capacity to alert residents of impending severe weather. This siren location offers complete coverage of the northern Lake Lansing area and North on Marsh Road to the township borders. This will be the eighth alert siren that is located within Meridian Township, with two others already located in our parks.

The siren would be located atop a single telephone pole with cabinets housing the radio, batteries and switching equipment. All sirens are monitored twenty-four hours a day three hundred and sixty-five days a year electronically with a loud test being performed once a month on Saturdays at 1pm. The loud test helps to keep animals from placing nests and such inside the siren, which could block the siren from alerting residents.

Motion for Consideration

MOVE TO SUPPORT THE REQUEST FROM THE MERIDIAN TOWNSHIP FIRE DEPARTMENT TO PLACE AN ALERT SIREN IN MARSHALL PARK NEAR THE ENTRANCE TO THE PARKING LOT.

LuAnn Maisner

From: Bill Priese
Sent: Thursday, August 6, 2020 9:18 AM
To: Younes Ishraidi; Kati Adams; Larry Bobb; Rob MacKenzie; LuAnn Maisner; Jay Graham
Subject: Alert Siren Marshal Park

Good Morning,

Wanted to follow-up with everyone and express my gratitude for all of your assistance with this. Katie, Larry, Rob and I all gathered at the site this morning and developed a solutions to concerns for mowing. We simply were able to move the siren about 7-8 feet due East of the location first marked, with no need to remove and stumps. Spoke with the company that installs the siren for us and they were good with that adjustment. Again, I appreciate everyone's assistance and insight so this project can move forward to better alert our residents and visitors of impending severe weather.

Stay Safe and have a wonderful day!

Kind Regards,



A Prime Community

Bill Priese, B.S., I/C
Chief of Training/EMS Operations
priese@meridian.mi.us
W 517.853.4724 | C 517.410.0700
5000 Okemos Road | Okemos, MI 48864
meridian.mi.us



To: Park Commissioners
From: LuAnn Maisner CPRP, Director of Parks and Recreation
Date: August 7, 2020
Re: 2021 Draft Budget Request

When budgeting for expenditures each year, the Park Commission takes a careful and systematic approach selecting projects, utilizing best practices, and seeking grants to make the most of the Park Millage dollars received. This year was a big construction year with development of Marketplace on the Green, Central Meridian Regional Trail Connector, Gateway Footbridge and Restroom in the Historical Village, Large Dog Park, and Restroom and Pavilion at Harris Nature Center. All of these projects were developed with funding assistance from grants and donations to together with local tax dollars.

Since we are a service organization, a majority of budgeted expenses are tied to salaries, benefits, and maintenance equipment. Looking to 2021, this draft budget, for your review, consists of fully funding general operations but takes a pause on additional expenditures. I look forward to review and discussion on Tuesday.

Attachment:

1. 2021 Draft Budget Request

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 208 PARK MILLAGE
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
ESTIMATED REVENUES							
Dept 000.000							
TAXES							
208-000.000-405.030	PARK MILLAGE	1,158,639	1,196,000	1,196,000	1,198,080	1,198,000	1,228,000
208-000.000-412.000	DELINQUENT PROPERTY TAXES	506	250	250	350	350	250
	TAXES	1,159,145	1,196,250	1,196,250	1,198,430	1,198,350	1,228,250
INTERGOVERNMENTAL							
208-000.000-566.020	CTL PK N PHASE 2 GRANT REVENUE					422,550	
208-000.000-566.030	HARRIS CENTER GRANT REVENUE					100,000	
208-000.000-566.040	SYLVAN GLEN/LEGG GRANT REVENUE						
208-000.000-566.050	FERGUSON PARK GRANT						
208-000.000-566.060	N MERIDIAN RD PARK GRANT REV	50,000					
208-000.000-576.000	OTHER INTRGOVTL REVENUE	2,500					
	INTERGOVERNMENTAL	52,500				522,550	
LOCAL DONATIONS							
208-000.000-566.090	Recreation Program Grant	251,870				(40,000)	
208-000.000-675.150	DONATIONS					(40,000)	
	LOCAL DONATIONS	251,870				(40,000)	
INTEREST							
208-000.000-665.000	INTEREST	35,551	10,000	10,000	10,182	12,000	10,000
208-000.000-665.200	Unrealized invest gain/loss						
	INTEREST	35,551	10,000	10,000	10,182	12,000	10,000
OTHER REVENUES							
208-000.000-667.000	RENTALS	11,175	10,000	10,000	1,290	4,000	12,000
208-000.000-667.020	HARRIS CENTER	45,794	42,000	42,000	5,485	5,500	30,000
208-000.000-667.060	DOG PARKS	3,500	2,000	2,000	1,505	4,000	3,000
208-000.000-671.000	MISCELLANEOUS						
	OTHER REVENUES	60,469	54,000	54,000	8,280	13,500	45,000
208-000.000-670.400	TRANSFER IN FROM OTHER FUNDS	75,000					
	UNK_REV	75,000					
0000							
208-000.000-695.000	CARRYOVER						
208-000.000-695.040	PARK MILLAGE CARRYOVER						
0000							
OPERATING TRANSFER IN							
208-000.000-699.000	OPERATING TRANSFER IN						
	OPERATING TRANSFER IN						
Totals for dept 000.000 -							
TOTAL ESTIMATED REVENUES		1,634,535	1,260,250	1,260,250	1,176,892	1,746,400	1,283,250
		1,634,535	1,260,250	1,260,250	1,176,892	1,746,400	1,283,250
BEGINNING FUND BALANCE							
		1,023,387	2,657,922	2,657,922	1,520,672	1,520,672	3,267,072
ENDING FUND BALANCE							
		2,657,922	3,918,172	3,918,172	2,697,564	3,267,072	4,550,322

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 208 PARK MILLAGE
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.753 - PARKS AND RECREATION ADMIN.							
PERSONNEL COSTS							
208-750.753-701.000	SALARIES	109,647	114,100	114,100	64,390	106,000	116,000
208-750.753-701.080	* SALARIES - TEMPORARY	2,328	12,840	12,840			9,840
208-750.753-701.300	COL WAGE ADJUSTMENT						
208-750.753-702.000	SICK LEAVE INCENTIVE PAY						
208-750.753-706.000	OVERTIME	696	400	400	14	100	400
208-750.753-709.000	ICMA CONTRIBUTION	300	300	300	300	300	300
208-750.753-710.000	LONGEVITY	1,600	1,600	1,600	320	1,600	1,760
208-750.753-714.000	FICA	8,797	9,950	9,950	4,945	9,950	9,781
208-750.753-715.000	HEALTH INSURANCE	10,993	13,100	13,100	8,184	13,900	15,200
208-750.753-715.010	FLEXIBLE BENEFIT	4,500	4,500	4,500	2,625	4,500	4,500
208-750.753-716.000	LIFE/DISABILITY INSURANCE	536	675	675	326	575	680
208-750.753-717.000	PENSION	12,334	11,700	11,700	7,206	11,700	13,600
208-750.753-717.500	Vantagecare	1,984	2,250	2,250	1,282	2,250	2,300
208-750.753-718.000	WORKERS COMPENSATION	1,224	2,350	2,350	847	1,500	2,250
208-750.753-719.000	FRINGE BENEFIT LIABILITY						
PERSONNEL COSTS							
		154,939	173,765	173,765	90,439	152,375	176,611
OPERATING COSTS							
208-750.753-728.000	OPERATING SUPPLIES	30	1,200	1,200		500	1,200
208-750.753-825.000	* PROFESSIONAL CONFERENCES/DUES	793	2,050	2,050	838	1,000	850
208-750.753-827.000	RADIO MAINTENANCE						
208-750.753-865.000	GASOLINE						
208-750.753-870.000	MILEAGE	307	400	400	49	150	300
208-750.753-880.000	* COMMUNITY PROMOTION						
208-750.753-888.000	RECYCLING						
208-750.753-889.000	LAKE LANSING CLEAN UP						
208-750.753-955.000	MTSCELLANEOUS						
OPERATING COSTS							
		1,130	5,150	5,150	887	3,150	4,350
OUTSIDE SERVICES							
208-750.753-808.000	LEGAL FEES						
208-750.753-820.010	CONTRACTUAL SERVICES-BWL						
208-750.753-820.020	SEWER CLEANING-SANITARY						
208-750.753-821.000	PROFESSIONAL SERVICES	85					
OUTSIDE SERVICES							
		85					
EQUIPMENT CHARGES							
208-750.753-950.000	Vehicle Charges						
EQUIPMENT CHARGES							
CAPITAL COSTS							
208-750.753-972.030	MUNIC BLDG EXPANSION CONSTRUCTN						
208-750.753-974.000	CONSTRUCTION/IMPROVEMENTS						
208-750.753-978.000	SOFTWARE						
208-750.753-980.000	OFFICE EQUIPMENT & FURNITURE						
CAPITAL COSTS							
TRANSFERS-OUT							
208-750.753-999.005	OP TRANS OUT TO MOTOR POOL						
TRANSFERS-OUT							
0000	CONTRIBUTION TO CARRYOVER						
208-750.753-999.999							

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
-----------	-------------	---------------	-------------------------	---------------------	-----------------------------	-------------------------	-----------------------

APPROPRIATIONS
 Dept 750.753 - PARKS AND RECREATION ADMIN.
 0000
 0000

Totals for dept 750.753 - PARKS AND RECREATION ADMIN 156,154 178,915 178,915 91,326 155,525 180,961
 * NOTES TO BUDGET: DEPARTMENT 750.753 PARKS AND RECREATION ADMIN.

701.080 SALARIES - TEMPORARY

(2020)	50% PARK RANGER			3,240			
	FOOTNOTE AMOUNTS:						
(2020)	50% INTERN			6,600			
	FOOTNOTE AMOUNTS:						
(2020)	50\$ FREELANCE COMMUNICATIONS LYNN M			3,000			
	FOOTNOTE AMOUNTS:						
(2021)	50% PARK RANGER						3,240
	FOOTNOTE AMOUNTS:						
(2021)	50% INTERN						6,600
	FOOTNOTE AMOUNTS:						
(2021)	ACCOUNT '701.080' TOTAL			12,840			9,840

825.000 PROFESSIONAL CONFERENCES/DUES

(2020)	50%MPARKS AND NRPA DUES		50	400			
	FOOTNOTE AMOUNTS:						
(2020)	50% MPARKS CONFERENCE IN NOVI			800			
	FOOTNOTE AMOUNTS:						
(2020)	50% ROBIN DUES			100			
	FOOTNOTE AMOUNTS:						
(2020)	50% JANE PROF DUES			150			
	FOOTNOTE AMOUNTS:						
(2020)	50% KELSEY AND JANE CONFERENCE			600			
	FOOTNOTE AMOUNTS:						
(2021)	50%MPARKS AND NRPA DUES						600
	FOOTNOTE AMOUNTS:						
(2021)	50% ROBIN DUES						100
	FOOTNOTE AMOUNTS:						
(2021)	50% JANE PROF DUES						150
	FOOTNOTE AMOUNTS:						
(2021)	ACCOUNT '825.000' TOTAL		50	2,050			850

880.000 COMMUNITY PROMOTION

(2020)	VOLUNTEER RECOGNITION CEREMONY, TREES, PLAQUES,			1,500			
	FOOTNOTE AMOUNTS:						
(2021)	VOLUNTEER RECOGNITION CEREMONY, TREES, PLAQUES,		50	1,500			1,500
	ACCOUNT '880.000' TOTAL			16,390			12,190
	DEPT '750.753' TOTAL						

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 208 PARK MILLAGE
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
TOTAL APPROPRIATIONS		156,154	178,915	178,915	91,326	155,525	180,961
BEGINNING FUND BALANCE		1,023,387	867,233	867,233	1,520,672	1,520,672	1,365,147
ENDING FUND BALANCE		867,233	688,318	688,318	1,429,346	1,365,147	1,184,186

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 208 PARK MILLAGE
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.756 - Harris Nature Center							
PERSONNEL COSTS							
208-750.756-701.000	SALARIES	108,959	99,000	99,000	41,212	68,000	71,000
208-750.756-701.080	SALARIES - TEMPORARY	26,288	23,000	23,000	2,514	5,000	23,000
208-750.756-701.300	COL WAGE ADJUSTMENT						
208-750.756-702.000	SICK LEAVE INCENTIVE PAY	191					
208-750.756-706.000	OVERTIME	3,171	1,000	1,000	280	300	1,000
208-750.756-709.000	ICMA CONTRIBUTION	500	500	500	350	350	350
208-750.756-710.000	LONGEVITY	1,830			384	385	385
208-750.756-714.000	FICA	10,224	9,500	9,500	3,430	9,500	7,300
208-750.756-715.000	HEALTH INSURANCE	9,093	16,600	16,600	7,847	16,600	21,500
208-750.756-715.010	FLEXIBLE BENEFIT	4,050	4,500	4,500	1,050	1,800	1,800
208-750.756-716.000	LIFE/DISABILITY INSURANCE	468	580	580	328	580	420
208-750.756-717.000	PENSION	10,140	9,700	9,700	4,043	7,600	7,200
208-750.756-717.500	VantageCare	1,769	1,950	1,950	809	1,500	1,400
208-750.756-718.000	WORKERS COMPENSATION	2,060	3,610	3,610	1,426	2,000	1,600
208-750.756-719.000	FRINGE BENEFIT LIABILITY						
PERSONNEL COSTS							
		178,743	169,940	169,940	63,673	113,615	136,955
OPERATING COSTS							
208-750.756-728.000	OPERATING SUPPLIES	12,568	13,000	13,000	4,820	13,000	13,000
208-750.756-750.000	PUBLICATIONS	1,076	1,000	1,000	446	1,000	1,000
208-750.756-825.000	PROFESSIONAL CONFERENCES/DUES	1,262	1,500	1,500	8	400	500
208-750.756-870.000	MILEAGE						
208-750.756-888.000	RECYCLING						
208-750.756-889.000	LAKE LANSING CLEAN UP	5,783	8,000	8,000	2,883	8,000	8,000
208-750.756-920.000	UTILITIES-ELECTRIC/GAS/WATER	518	500	500	203	500	500
208-750.756-934.000	GROUPS MAINTENANCE	2,949	2,400	2,400	355		
208-750.756-955.000	MISCELLANEOUS						
OPERATING COSTS							
		24,156	26,400	26,400	8,715	22,900	23,000
OUTSIDE SERVICES							
208-750.756-820.000	* CONTRACTUAL SERVICES						
208-750.756-820.010	CONTRACTUAL SERVICES-BWL	3,444	7,000	7,000	2,181	7,000	9,000
208-750.756-820.020	SEWER CLEANING-SANITARY						
208-750.756-828.000	SOLID WASTE CONTAINER SERVICES						
OUTSIDE SERVICES							
		3,444	7,000	7,000	2,181	7,000	9,000
CAPITAL COSTS							
208-750.756-972.030	MUNIC BLDG EXPANSION CONSTRUCTN	1,027					
208-750.756-974.000	CONSTRUCTION/IMPROVEMENTS	1,027					
208-750.756-980.000	OFFICE EQUIPMENT & FURNITURE	1,027					
CAPITAL COSTS							
		1,027					
TRANSFERS-OUT							
208-750.756-999.005	OP TRANS OUT TO MOTOR POOL						
TRANSFERS-OUT							
0000							
208-750.756-999.999	CONTRIBUTION TO CARRYOVER						
0000							
Totals for dept 750.756 - Harris Nature Center							
		207,370	203,340	203,340	74,569	143,515	168,955
* NOTES TO BUDGET: DEPARTMENT 750.756 Harris Nature Center							

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
-----------	-------------	---------------	-------------------------	---------------------	-----------------------------	-------------------------	-----------------------

APPROPRIATIONS
 Dept 750.756 - Harris Nature Center

820.000 CONTRACTUAL SERVICES

FOOTNOTE AMOUNTS: 7,000
 (2020) JANITORIAL, INTERNET, COPY MACHINE, PARKING LOT SWEEPING, TREE MAINTENANCE, PROPANE, CULLIGAN
 FOOTNOTE AMOUNTS: 8,000
 (2021) JANITORIAL, INTERNET, COPY MACHINE, PARKING LOT SWEEPING, TREE MAINTENANCE CULLIGAN, PROPANE
 ACCOUNT '820.000' TOTAL 7,000 8,000 9,000

955.000 MISCELLANEOUS

FOOTNOTE AMOUNTS: 2,400
 (2020) ACTIVEMET FEES
 FOOTNOTE AMOUNTS: 2,400
 (2021) ACTIVEMET FEES
 ACCOUNT '955.000' TOTAL 9,400 2,400 2,400
 DEPT '750.756' TOTAL 207,370 203,340 203,340 74,569 143,515 168,955

TOTAL APPROPRIATIONS

BEGINNING FUND BALANCE	1,023,387	816,017	816,017	1,520,672	1,520,672	1,377,157	1,377,157
ENDING FUND BALANCE	816,017	612,677	612,677	1,446,103	1,377,157	1,208,202	1,208,202

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.758 - Park Maintenance							
CAPITAL COSTS							
208-750.758-974.000	CONSTRUCTION/IMPROVEMENTS	279	6,000	6,000	2,104	6,000	2,500
208-750.758-979.000	* MACHINERY AND EQUIPMENT	399	6,000	6,000	2,104	6,000	2,500
CAPITAL COSTS							
TRANSFERS-OUT							
208-750.758-999.005	OP TRANS OUT TO MOTOR POOL						
TRANSFERS-OUT							
0000							
208-750.758-999.999	CONTRIBUTION TO CARRYOVER						
0000							
Totals for dept 750.758 - Park Maintenance		307,440	391,770	391,770	166,365	341,160	414,400
* NOTES TO BUDGET: DEPARTMENT 750.758 Park Maintenance							
701.080	SALARIES - TEMPORARY						
FOOTNOTE AMOUNTS:							
(2020)	1 SEASONAL 15 WEEKS X \$11.00 X 40 =			6,160		6,160	7,200
FOOTNOTE AMOUNTS:							
(2021)	1 SEASONAL 15 WEEKS X \$12.00 X 40 =			6,160		6,160	7,200
ACCOUNT '701.080' TOTAL							
820.000	CONTRACTUAL SERVICES						
FOOTNOTE AMOUNTS:							
(2020)	TREE REMOVAL, WEED CONTROL, MOSQUITO CONTROL, SWEEPING IRRIGATION			15,000			
FOOTNOTE AMOUNTS:							
(2020)	LANDSCAPING			20,000			
FOOTNOTE AMOUNTS:							
(2021)	TREE REMOVAL, WEED CONTROL, MOSQUITO CONTROL, SWEEPING					27,000	15,000
FOOTNOTE AMOUNTS:							
(2021)	LANDSCAPING						20,000
FOOTNOTE AMOUNTS:							
(2021)	PARKING LOT REPAVING			35,000		27,000	5,000
ACCOUNT '820.000' TOTAL							
934.000	GROUNDS MAINTENANCE						
FOOTNOTE AMOUNTS:							
(2020)	PARKING LOT MAINTENANCE SEAL AND STRIPE			10,000			10,000
FOOTNOTE AMOUNTS:							
(2021)	PARKING LOT MAINTENANCE SEAL AND STRIPE						10,000
ACCOUNT '934.000' TOTAL							
979.000	MACHINERY AND EQUIPMENT						
FOOTNOTE AMOUNTS:							
(2020)	TOOL CAT FORKS, TOOL CAT AUGER, SCIKLE BAR 50%			4,500			
FOOTNOTE AMOUNTS:							
(2020)	TOOL CAT FORKS, TOOL CAT AUGER, SCIKLE BAR 50%			5,000			
FOOTNOTE AMOUNTS:							
(2020)	RIDE ON FIELD PAINTER 50%			1,500			
FOOTNOTE AMOUNTS:							

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 208 PARK MILLAGE
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 THRU 12/31/20 ACTIVITY	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.758 - Park Maintenance							
	(2020) WEED WHIPS, BLOWERS, CHAIN SAWS						
	FOOTNOTE AMOUNTS:						600
	(2021)						
	FOOTNOTE AMOUNTS:						
	(2021)						
	(2021) WEED WHIPS, BLOWERS, CHAIN SAWS			11,000		600	2,500
	ACCOUNT '979.000' TOTAL			62,160		33,760	59,700
	DEPT '750.758' TOTAL			391,770	166,365	341,160	414,400
TOTAL APPROPRIATIONS		307,440	391,770	391,770	166,365	341,160	414,400
BEGINNING FUND BALANCE		1,023,387	715,947	715,947	1,520,672	1,520,672	1,179,512
ENDING FUND BALANCE		715,947	324,177	324,177	1,354,307	1,179,512	765,112

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.759 - Park Development							
OUTSIDE SERVICES							
208-750.759-810.000	ADVERTISING						
208-750.759-820.010	CONTRACTUAL SERVICES-BWL						
OUTSIDE SERVICES							
OPERATING COSTS							
208-750.759-882.000	Recreation Grants						
208-750.759-934.000	GROUPS MAINTENANCE						
OPERATING COSTS							
CAPITAL COSTS							
208-750.759-971.000	LAND ACQUISITION	466,287	500,000	500,000	1,128,720	3,220,000	135,000
208-750.759-974.000	* CONSTRUCTION/IMPROVEMENTS	466,287	500,000	500,000	1,128,720	3,220,000	135,000
CAPITAL COSTS							
OTHER							
208-750.759-992.000	DEBT SERVICE						
OTHER							
0000							
208-750.759-999.999	CONTRIBUTION TO CARRYOVER						
0000							
Totals for dept 750.759 - Park Development		466,287	500,000	500,000	1,128,720	3,220,000	135,000
* NOTES TO BUDGET: DEPARTMENT 750.759 Park Development							
CONSTRUCTION/IMPROVEMENTS							
974.000							
	FOOTNOTE AMOUNTS:			300,000			
	(2020) MARKETPLACE ON THE GREEN						
	FOOTNOTE AMOUNTS:			40,000			
	(2020) LARGE DOG PARK						
	FOOTNOTE AMOUNTS:			55,000			
	(2020) TABLES, GRILLS, BENCHES, BIKE RACKS, KIOSKS,						
	FOOTNOTE AMOUNTS:			5,000			
	(2020) SHADE STRUCTURE PICKLEBALL						
	FOOTNOTE AMOUNTS:			100,000			
	(2020) PARKING LOT EXPANSION NORTH MERIDIAN AND CENTRAL PARK SOUTH						
	FOOTNOTE AMOUNTS:						75,000
	(2021) MARKETPLACE ON THE GREEN-ARTIFICIAL ICE						
	FOOTNOTE AMOUNTS:						
	(2021)						
	FOOTNOTE AMOUNTS:						60,000
	(2021) KIOSKS 2						
	FOOTNOTE AMOUNTS:						
	(2021)						
	FOOTNOTE AMOUNTS:						
	(2021)						
	FOOTNOTE AMOUNTS:						
	ACCOUNT '974.000' TOTAL			500,000			135,000
	DEPT '750.759' TOTAL			500,000			135,000
TOTAL APPROPRIATIONS		466,287	500,000	500,000	1,128,720	3,220,000	135,000

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 208 PARK MILLAGE
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
BEGINNING FUND BALANCE		1,023,387	557,100	557,100	1,520,672	1,520,672	(1,699,328)
ENDING FUND BALANCE		557,100	57,100	57,100	391,952	(1,699,328)	(1,834,328)

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 101 GENERAL FUND
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.752 - PARK COMMISSION							
PERSONNEL COSTS							
101-750.752-701.090	* SALARIES-APPOINTED OFFICIALS	1,305	3,500	3,500	1,395	3,000	3,375
101-750.752-714.000	FTCA	100	270	270	107	270	260
101-750.752-718.000	WORKERS COMPENSATION	6	10	10	4	10	10
	PERSONNEL COSTS	1,411	3,780	3,780	1,506	3,280	3,645
OPERATING COSTS							
101-750.752-728.000	* OPERATING SUPPLIES	238					600
101-750.752-825.000	* PROFESSIONAL CONFERENCES/DUES	1,066	1,600	1,600	1,138	1,600	1,600
	OPERATING COSTS	1,304	1,600	1,600	1,138	1,600	2,200
OUTSIDE SERVICES							
101-750.752-808.000	LEGAL FEES						
	OUTSIDE SERVICES						
	Totals for dept 750.752 - PARK COMMISSION	2,715	5,380	5,380	2,644	4,880	5,845
* NOTES TO BUDGET: DEPARTMENT 750.752 PARK COMMISSION							
701.090	SALARIES-APPOINTED OFFICIALS						3,375
	FOOTNOTE AMOUNTS:						
	(2021) \$45X 5 MEMBERS X 15 MTGS						
728.000	OPERATING SUPPLIES						600
	FOOTNOTE AMOUNTS:						
	(2021) BUSINESS CARDS AND NAME TAG						
825.000	PROFESSIONAL CONFERENCES/DUES						
	FOOTNOTE AMOUNTS:						
	(2020) MPARKS CONFERENCE IN NOV1 AND MPARKS DUES			1,600			
	FOOTNOTE AMOUNTS:						
	(2021) MPARKS DUES, WORKSHOP TRAINING			1,600			
	ACCOUNT '825.000' TOTAL			1,600			
	DEPT '750.752' TOTAL						
	TOTAL APPROPRIATIONS	2,715	5,380	5,380	2,644	4,880	5,845
	BEGINNING FUND BALANCE	7,961,300	7,958,585	7,958,585	10,494,418	10,494,418	10,489,538
	ENDING FUND BALANCE	7,958,585	7,953,205	7,953,205	10,491,774	10,489,538	10,483,693

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.753 - PARKS AND RECREATION ADMIN.							
PERSONNEL COSTS							
101-750.753-701.000	SALARIES	72,325	75,000	75,000	42,146	72,000	76,500
101-750.753-701.080	* SALARIES - TEMPORARY	7,853	10,440	10,440	519	3,000	10,980
101-750.753-702.000	SICK LEAVE INCENTIVE PAY		1,445	1,445			
101-750.753-706.000	OVERTIME	168	1,200	1,200	14	200	300
101-750.753-709.000	ICMA CONTRIBUTION	125	125	125	125	125	125
101-750.753-710.000	LONGEVITY		1,280	1,280		1,280	1,280
101-750.753-714.000	FICA	6,281	7,100	7,100	3,222	7,100	8,900
101-750.753-715.000	HEALTH INSURANCE	10,142	10,700	10,700	5,331	8,900	6,900
101-750.753-715.010	FLEXIBLE BENEFIT	2,250	2,250	2,250	1,313	2,250	2,250
101-750.753-716.000	LIFE/DISABILITY INSURANCE	347	450	450	228	450	450
101-750.753-717.000	PENSION	8,638	10,250	10,250	4,970	10,520	10,500
101-750.753-717.500	VantageCare	1,317	1,475	1,475	835	1,475	1,500
101-750.753-718.000	WORKERS COMPENSATION	481	930	930	329	930	835
	PERSONNEL COSTS	111,207	122,645	122,645	59,032	108,230	120,120
OPERATING COSTS							
101-750.753-728.000	OPERATING SUPPLIES	1,308	3,500	3,500	1,037	2,000	3,500
101-750.753-750.000	PUBLICATIONS						
101-750.753-825.000	* PROFESSIONAL CONFERENCES/DUES	2,780	1,500	1,500	360	600	600
101-750.753-826.000	COMPUTER SERVICES/SUPPLIES						
101-750.753-827.000	RADIO MAINTENANCE						
101-750.753-865.000	GASOLINE						
101-750.753-870.000	MILEAGE	34					
101-750.753-880.000	* COMMUNITY PROMOTION	4,414	5,400	5,400	400	3,000	25,900
101-750.753-882.000	Recreation Grants						
101-750.753-882.500	Recreation Program Expenses	136					
101-750.753-882.601	Oaks Soccer						
101-750.753-882.602	Oaks Football						
101-750.753-882.603	Oaks Misc						
101-750.753-935.000	VEHICLE MAINTENANCE						
	OPERATING COSTS	8,672	10,400	10,400	1,797	5,600	30,000
OUTSIDE SERVICES							
101-750.753-808.000	LEGAL FEES						
101-750.753-810.000	ADVERTISING						
101-750.753-821.000	PROFESSIONAL SERVICES						
	OUTSIDE SERVICES						
EQUIPMENT CHARGES							
101-750.753-942.000	EQUIPMENT RENTAL						
	EQUIPMENT CHARGES						
CAPITAL COSTS							
101-750.753-975.000	PARK DEVELOPMENT						
101-750.753-978.000	SOFTWARE						
101-750.753-980.000	OFFICE EQUIPMENT & FURNITURE						
101-750.753-981.000	VEHICLES						
	CAPITAL COSTS						
	Totals for dept 750.753 - PARKS AND RECREATION ADMIN	119,879	133,045	133,045	60,829	113,830	150,120

* NOTES TO BUDGET: DEPARTMENT 750.753 PARKS AND RECREATION ADMIN.

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
-----------	-------------	---------------	-------------------------	---------------------	-----------------------------	-------------------------	-----------------------

APPROPRIATIONS
 Dept 750.753 - PARKS AND RECREATION ADMIN.
 701.080 SALARIES - TEMPORARY

(2020)	50% PARK RANGER \$12.00X36HRSX15WKS			3,240			
	FOOTNOTE AMOUNTS:						
(2020)	50% INTERN 30 WKS X \$12 X 40HRS			7,200			
	FOOTNOTE AMOUNTS:						
DENIED (2020)	FREELANCE LYNN MEIKLE			3,000			
	FOOTNOTE AMOUNTS:						
(2021)	50% PARK RANGER \$14.00X36HRSX15WKS						3,780
	FOOTNOTE AMOUNTS:						
(2021)	50% INTERN 30 WKS X \$12 X 40HRS						7,200
	FOOTNOTE AMOUNTS:						
(2021)	ACCOUNT '701.080' TOTAL			13,440			10,980

825.000 PROFESSIONAL CONFERENCES/DUES

(2021)	MPARKS DUES, NRPA					600	600
	FOOTNOTE AMOUNTS:						

880.000 COMMUNITY PROMOTION

(2020)	CHINESE NEW YEAR			1,000			
	FOOTNOTE AMOUNTS:						
(2020)	SENIOR HEALTH AND FITNESS DAY			1,000			
	FOOTNOTE AMOUNTS:						
DENIED (2020)	CELEBRATE MERIDIAN FESTIVAL			15,000			
	FOOTNOTE AMOUNTS:						
(2020)	FLAGS OVER MERIDIAN			400			
	FOOTNOTE AMOUNTS:						
(2020)	50% LOVE A PARK DAY			500			
	FOOTNOTE AMOUNTS:						
(2020)	MERIDIAN HISTORICAL VILLAGE MAINTENANCE			2,500			
	FOOTNOTE AMOUNTS:						
(2021)	CHINESE NEW YEAR					1,000	1,000
	FOOTNOTE AMOUNTS:						
(2021)	SENIOR HEALTH AND FITNESS DAY					1,000	1,000
	FOOTNOTE AMOUNTS:						
(2021)	CELEBRATE MERIDIAN FESTIVAL					400	15,000
	FOOTNOTE AMOUNTS:						
(2021)	FLAGS OVER MERIDIAN					400	400
	FOOTNOTE AMOUNTS:						
(2021)	50% LOVE A PARK DAY					200	500
	FOOTNOTE AMOUNTS:						
(2021)	MERIDIAN HISTORICAL VILLAGE MAINTENANCE					3,500	5,000
	FOOTNOTE AMOUNTS:						
(2021)	MARKETPLACE ON THE GREEN ACTIVITIES					1,000	3,000
	FOOTNOTE AMOUNTS:						
(2021)	ACCOUNT '880.000' TOTAL			20,400		6,100	25,900
	DEPT '750.753' TOTAL			33,840		6,700	37,480
TOTAL APPROPRIATIONS		119,879	133,045	133,045	60,829	113,830	150,120

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 101 GENERAL FUND
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
BEGINNING FUND BALANCE		7,961,300	7,841,421	7,841,421	10,494,418	10,494,418	10,380,588
ENDING FUND BALANCE		7,841,421	7,708,376	7,708,376	10,433,589	10,380,588	10,230,468

BUDGET REPORT FOR MERIDIAN TWP
 Fund: 101 GENERAL FUND
 Calculations as of 12/31/2020

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
APPROPRIATIONS							
Dept 750.758 - Park Maintenance							
PERSONNEL COSTS							
101-750.758-701.000	SALARIES	72,716	77,600	77,600	68,292	117,700	126,000
101-750.758-701.080	* SALARIES - TEMPORARY	11,638	13,200	13,200	8,058	13,200	14,400
101-750.758-702.000	SICK LEAVE INCENTIVE PAY		220	220			
101-750.758-706.000	OVERTIME	4,788	4,000	4,000	1,840	4,000	4,000
101-750.758-709.000	ICMA CONTRIBUTION	412	420	420	675	675	675
101-750.758-710.000	LONGEVITY	841	835	835	832	832	832
101-750.758-714.000	FIGA	7,942	7,500	7,500	6,390	11,500	11,300
101-750.758-715.000	HEALTH INSURANCE	19,574	26,400	26,400	13,784	26,400	39,000
101-750.758-715.010	FLEXIBLE BENEFIT	150	460	460	525	900	900
101-750.758-716.000	LIFE/DISABILITY INSURANCE	324	460	460	215	460	725
101-750.758-717.000	PENSION	5,302	6,500	6,500	4,344	6,500	15,000
101-750.758-717.500	VantageCare	1,366	1,550	1,550	1,375	1,550	2,400
101-750.758-718.000	WORKERS COMPENSATION	1,435	2,650	2,650	988	2,650	4,000
101-750.758-723.000	AUTO ALLOWANCE	10,886	13,200	13,200	3,729	7,200	7,200
PERSONNEL COSTS							
		137,374	154,535	154,535	111,047	193,567	226,432
OPERATING COSTS							
101-750.758-727.000	LICENSES	3,102	2,175	2,175	514	2,400	2,400
101-750.758-728.000	OPERATING SUPPLIES	25,416	26,000	26,000	6,330	26,000	27,000
101-750.758-760.000	PUBLICATIONS						
101-750.758-760.000	UNIFORMS	379	650	650	341	650	650
101-750.758-825.000	CLOTHING ALLOWANCE	1,455	975	975	321	1,875	1,875
101-750.758-825.000	PROFESSIONAL CONFERENCES/DUES	1,225	1,000	1,000	75	500	500
101-750.758-827.000	RADIO MAINTENANCE	698	700	700	532	700	700
101-750.758-865.000	GASOLINE						
101-750.758-934.000	* GROUNDS MAINTENANCE	8,510	10,000	10,000	2,474	10,000	10,000
101-750.758-935.000	VEHICLE MAINTENANCE						
101-750.758-936.000	EQUIPMENT MAINTENANCE	310	750	750	140	750	750
OPERATING COSTS							
		41,095	42,250	42,250	10,727	42,875	43,875
OUTSIDE SERVICES							
101-750.758-820.000	* CONTRACTUAL SERVICES	6,049	38,000	38,000		10,000	19,000
101-750.758-828.000	SOLID WASTE CONTAINER SERVICES						
OUTSIDE SERVICES							
		6,049	38,000	38,000		10,000	19,000
EQUIPMENT CHARGES							
101-750.758-942.000	EQUIPMENT RENTAL	52,795	58,500	58,500	34,185	58,500	75,175
EQUIPMENT CHARGES							
		52,795	58,500	58,500	34,185	58,500	75,175
CAPITAL COSTS							
101-750.758-979.000	* MACHINERY AND EQUIPMENT	2,859	6,000	6,000	3,373	6,000	2,500
CAPITAL COSTS							
		2,859	6,000	6,000	3,373	6,000	2,500
Totals for dept 750.758 - Park Maintenance							
* NOTES TO BUDGET: DEPARTMENT 750.758 Park Maintenance		240,172	299,285	299,285	159,332	310,942	366,982
701.080	SALARIES - TEMPORARY						
	FOOTNOTE AMOUNTS:			13,200			
	(2020) 2 SEASONALS 15 X 11.00 X 40						
	FOOTNOTE AMOUNTS:						
	(2021) 2 SEASONALS 15 X 12.00 X 40						14,400

GL NUMBER	DESCRIPTION	2019 ACTIVITY	2020 RECOMMENDED BUDGET	2020 ADOPTED BUDGET	2020 ACTIVITY THRU 12/31/20	2020 PROJECTED ACTIVITY	2021 REQUESTED BUDGET
820.000	APPROPRIATIONS Dept 750.758 - Park Maintenance						
	ACCOUNT '701.080' TOTAL			13,200		13,200	14,400
	CONTRACTUAL SERVICES						
	FOOTNOTE AMOUNTS:			8,000			
	(2020) TREE REMOVAL, WEED AND FEED, MOSQUITO SPRAY, LOT SWEEPING						
	FOOTNOTE AMOUNTS:			30,000			
	(2020) CONTRACT LANDSCAPING						
	FOOTNOTE AMOUNTS:					8,000	14,000
	(2021) TREE REMOVAL, WEED AND FEED, MOSQUITO SPRAY, LOT SWEEPING, IRRIGATION						5,000
	FOOTNOTE AMOUNTS:						
	(2021) PRKING LOT SURFACING						
	ACCOUNT '820.000' TOTAL			38,000		8,000	19,000
934.000	ACCOUNT '934.000' TOTAL			10,000		10,000	10,000
	GROUND MAINTENANCE						
	FOOTNOTE AMOUNTS:						
	(2020) PARKING LOT MAINTENANCE, MISC						
	FOOTNOTE AMOUNTS:						
	(2021) PARKING LOT MAINTENANCE, TURF, TREE, MULCH MISC						
	ACCOUNT '934.000' TOTAL			10,000		10,000	10,000
979.000	ACCOUNT '979.000' TOTAL			4,500		4,500	2,500
	MACHINERY AND EQUIPMENT						
	FOOTNOTE AMOUNTS:						
	(2020) TOOL CAT PALLET FORKS, TOOL CAT AUGER, SCIKLE BAR 50%						
	FOOTNOTE AMOUNTS:						
	(2020) BLOWERS, WEED WHIPS, CHAIN SAWS						
	FOOTNOTE AMOUNTS:						
	DENIED (2020) RIDE-ON FIELD PAINTER						
	FOOTNOTE AMOUNTS:						
	(2021)					1,000	
	FOOTNOTE AMOUNTS:						
	(2021) BLOWERS, WEED WHIPS, CHAIN SAWS						
	FOOTNOTE AMOUNTS:						
	(2021)						
	ACCOUNT '750.758' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '750.758' TOTAL			240,172		159,332	366,982
	DEPT '750.758' TOTAL			299,285		310,942	366,982
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			11,000		1,000	2,500
	DEPT '750.758' TOTAL			72,200		32,200	45,900
	ACCOUNT '979.000' TOTAL			6,000		1,000	2,500
	DEPT '750.758' TOTAL			299,285			



8-C

To: Park Commissioners
From: LuAnn Maisner CPRP, Director of Parks and Recreation
Date: August 7, 2020, 2020
Re: Proposed CIP 2021-2026

The Capital Improvement Plan is a six- year planning tool that documents planned improvements of \$5,000 or more, and assist with budgeting and coordinating projects with other departments. I have attached the plan approved in 2019 as well as an updated plan for your consideration and discussion. This document is updated annually.

Attachments:

1. 2020-2025 CIP for Parks
2. 2021-2026 CIP for Parks

LAST YEAR

Current-year CIP FOR PARKS

July 3, 2019

<u>Year</u>	<u>Project Name</u>	<u>Cost</u>	<u>Budgeted</u>	<u>Funding Source</u>
2019	Farmers' Market Relocation Plan, Playground/Landscape, Stage	\$400,000	\$200,000	Park Mill General Fund, Donations, Grants
2019	Central Park Footbridge/Restroom Construction Project	\$270,000	\$270,000	Park Millage, LWCF
2019	Harris Nature Center Pavilion and Restroom	\$250,000	\$150,000	Park Millage MNRTF, LWCF, CRCF, HNCF
2019	Central Meridian Regional Trail Connector	<u>\$355,000</u>	\$355,000	Park Millage, MNRTF
	TOTAL	\$1,275,000		

2020-2025 CIP PROPOSAL FOR PARKS

2020

<u>Year</u>	<u>Project Name</u>	<u>Cost</u>	<u>Funding Source</u>
2020	Marketplace on the Green Playground, stage, Ice, site furnishings	\$300,000	Park Millage
2020	Parking Lot Expansion (Central Park South, N. Meridian Rd Park)	\$102,000	Park Millage
2020	Large Dog Park	\$ 25,000	Park Millage
	TOTAL	\$427,000	

2021

2021	Towner Road Park Playground	<u>\$200,000</u>	Park Millage
2021	Ottawa Hills Playground	\$100,000	Park Millage, Grants
2021	Central Park Pavilion Renovation, Landscaping	\$250,000	Park Millage
2020	Harris Nature Center Parking Lot Expansion	<u>\$70,000</u>	Park Millage
	TOTAL	\$620,000	

2022

2022	Hillbrook Park Restroom Building	<u>\$200,000</u>	Park Millage, Federal and State Grants
	TOTAL	\$200,000	

2023

2023	Nancy Moore Park Playground, Pavilion	\$300,000	Park Millage
2023	Nancy Moore Park Loop Trail	\$80,000	Park Millage
2023	Marshall Park Playground Replacement	<u>\$100,000</u>	Park Millage
	TOTAL	\$480,000	

2024

2024	Central Park Improvements-Splashpad	\$500,000	Park Millage, Federal or State Grants
2024	Wonch Park Improvements – Restroom, Streambank, launch, WiFi	\$500,000	Park Millage, Federal or State Grants
2024	Snell-Towar Recreation Center Improvements	<u>\$185,000</u>	Park Millage, Federal or State Grants
	TOTAL	\$1,185,000	

2025

2025	Meridian Riverfront Park Trail Improvements	\$1,000,000	Park Millage, Pathway Millage, Federal/State Grants
2025	Newton Road Park Playground	<u>\$100,000</u>	Park Millage
	TOTAL	\$1,100,000	

NEW Proposed

Current-year CIP FOR PARKS

July 24, 2020

<u>Year</u>	<u>Project Name</u>	<u>Cost</u>	<u>Funding Source</u>
2020	Farmers' Market Relocation Plan, Playground/Landscape, Stage	\$2,000,000	Park Mill General Fund, Donations, Grants
2020	Central Park Footbridge/Restroom Construction Project	\$290,000	Park Millage, LWCF
2020	Harris Nature Center Pavilion and Restroom	\$345,000	Park Millage MNRTF, LWCF, CRCF, HNCF
2020	Central Meridian Regional Trail Connector	\$602,800	Park Millage, MNRTF
2020	Large Dog Park	\$75,000	Park Millage

2021-2026 CIP PROPOSAL FOR PARKS

2021

<u>Year</u>	<u>Project Name</u>	<u>Cost</u>	<u>Funding Source</u>
2021	Marketplace on the Green Artificial Ice	\$75,000	Park Millage, GF
2021	Land Acquisition (Okemos Rd)	<u>\$170,000</u>	MNRTF, Park Millage
Total 2021		\$245,000	

2022

2022	Towner Road Park Playground	\$200,000	Park Millage
2022	Parking Lot repaving/expansion (Central Park South, N. Meridian Rd Park HNC)	<u>\$200,000</u>	Park Millage
TOTAL 2022		\$400,000	

2023

2023	Ottawa Hills Playground Replacement	\$ 75,000	Park Millage, Grants
2023	Marshall Park Playground Replacement	\$100,000	Park Millage, Grants
2023	Central Park Pavilion Renovation, Landscaping	<u>\$150,000</u>	Park Millage

TOTAL 2023 **\$325,000**

2024

2023	Nancy Moore Park Playground, Pavilion	\$300,000	Park Millage
2023	Nancy Moore Park Loop Trail	<u>\$80,000</u>	Park Millage

TOTAL 2024 **\$380,000**

2025

2025	Hillbrook Park Restroom Building	\$200,000	Park Millage, Federal and State Grants
2025	Wonch Park Improvements – Restroom, Streambank, launch, WiFi	\$500,000	Park Millage, Federal or State Grants
2025	Snell-Towar Recreation Center Improvements	<u>\$185,000</u>	Park Millage, Federal or State Grants

TOTAL 2025 **\$885,000**

2026

2026	Central Park Improvements-Splashpad	\$500,000	Park Millage, Federal or State Grants
2026	Meridian Riverfront Park Trail Improvements	\$1,000,000	Park Millage, Pathway Millage, Federal/State Grants
2026	Newton Road Park Playground	<u>\$100,000</u>	Park Millage

TOTAL 2026 **\$1,600,000**



To: Park Commission

**From: Jane Greenway and Emma Campbell
Parks and Recreation Department**

Date: July 29, 2020

Re: 2020 - Deer Management Recommendation

The purpose of this memo is to update the Park Commission on the status of the deer management program.

Proposed 2020 properties for the Deer Management Program (see attached map for locations):

- | | |
|-----------------------------------|--------------------------|
| 1. Central Park | 30. North Ridge Preserve |
| 2. Towner Road Park | 31. Mandenberg Woods |
| 3. Wonch Park | 32. Tihart Preserve |
| 4. Ferguson Park | 33. Ponderosa Preserve |
| 5. Eastgate Park | 34. Nemoke Preserve |
| 6. Legg Park | 35. Glendale Cemetery |
| 7. Hartrick Park | 36. Riverside Cemetery |
| 8. Ted Black Woods | 37. Ingham County Farm |
| 9. North Meridian Rd. Park | 38. Transfer Station |
| 10. Red Cedar Natural Area | 39. Brattin Woods Park |
| 11. Forest Hills Natural Area | 40. Hillbrook Park |
| 12. Tacoma Hills Natural Area | |
| 13. Orlando Outlot B | |
| 14. Davis Foster Preserve | |
| 15. Hubbel Preserve | |
| 16. Lake Lansing North Preserve | |
| 17. Newman Equities Preserve | |
| 18. Towar Woods Preserve | |
| 19. Lake Lansing South Preserve | |
| 20. Central Meridian Uplands | |
| 21. Sower Woods Preserve | |
| 22. Tihart/Cornell Wetland | |
| 23. Southwest Meridian Uplands | |
| 24. Sumbal Preserve | |
| 25. Red Cedar Glen Preserve | |
| 26. Towner Wetland Preserve | |
| 27. Meridian Central Wetland | |
| 28. Red Cedar River East Preserve | |
| 29. Forest Grove Preserve | |

Background

Meridian Township’s tenth year of deer management will officially commence on October 1, 2020 and will run until January 1, 2021. This popular program places volunteer archery hunters on select Township and County owned properties to manage the deer population. Meridian Township has an over-population of deer that has resulted in an increase of damage to landscaping, reports of vehicle/deer accidents, concern for public health, and a disruption to the ecological balance of our natural areas. In response, the Meridian Township Board directed staff to develop and implement a deer management plan that outlines measures for a highly managed program to harvest white-tailed deer in a number of selected township-owned properties. The program began in 2011 and has been conducted each year since that time. The harvest is held during the regular archery season, October 1st through January 1st. The managed harvest is NOT open to the general public. All hunters must be approved by the Township and are tested for proficiency at the MSU Demmer Archery Center. Only approved, qualified, competent and experienced hunters will be considered to access Township property for the managed harvest. Neighboring property owners are notified of the harvest each year. All parks and land preserves remain open to the public during archery season. The hunters have proven to be valuable partners and act as the eyes and ears on Township-owned properties. The program continues to receive accolades statewide and serves as a model for suburban wildlife management.

Deer Management Program Statistics

(Collision based on data provided on the MSP “Traffic Crash Reporting System – Crash Statistics Report Selection Criteria”)

	Total Hunters	Properties Hunted	Deer Harvested	Reported Deer/Car Collisions
2011	25	7	43	152
2012	50	18	90	153
2013	60	20	127	180
2014	73	21	150	137
2015	30	19	63	144
2016	73	31	73	164
2017	66	30	80	129
2018	74	38	57	129
2019	84	38	88	153
2020		40 proposed		

Chronic Wasting Disease (CWD)

CWD is a deadly neurological disease found in the state's free-ranging deer population. Since the discovery of CWD deer in Meridian Township in May 2015, over 2,000 deer from Meridian Township have been tested for CWD in order to gauge the extent of the disease across the landscape. To date, ten deer in Ingham and Clinton counties have tested positive for the disease with five of them found in Meridian Township. To date, more than 61,000 deer in Michigan have been tested for chronic wasting disease, and CWD has been confirmed in 120 free-ranging deer in eight Michigan counties: Clinton, Ingham, Ionia, Jackson, Kent, Gratiot, Eaton and Montcalm.

In summary, the discovery of CWD somewhat complicated the Meridian Deer Management program because the hunters are no longer allowed to utilize bait to attract the deer. This has resulted in a significant drop in deer harvested (seen from 2014 to 2015). In addition, local processors who processed the Township's deer are no longer participating in the Michigan Sportsmen Against Hunger program due to concerns over CWD. The World Health Organization has advised against consuming venison that is contaminated with CWD, although no link to harmful effects in humans has yet been proven. Many processors will not take deer within the core CWD zone to be sure they are not contaminating their equipment which would have to be thrown out if a CWD positive deer was processed. The DNR is unsure of when the CWD restrictions can be lifted but they advised it will be at least a few more years. Until that time, the closest processor that works with Michigan Sportsmen against Hunger is in Howell. However, many of our hunters donate their venison through other private programs or directly provide venison to families in need. A few local processors will still process deer in the core zone and then the hunters take it upon themselves to donate the meat to charity.

Michigan State University Research Project

Johnathan Trudeau, a PhD student with the MSU Department of Fisheries and Wildlife, is conducting a long-term research project on white-tailed deer movement that started in January 2018. This research is part of a large-scale collaboration between Michigan State University (MSU) and the Michigan Department of Natural Resources (MDNR) aimed at characterizing deer movement across a landscape with varying human development. With the emergence of chronic wasting disease (CWD) in mid-Michigan, it is crucial to understand deer movement patterns to best inform effective disease management practices. The study area spans Ionia, Clinton and Ingham counties. Jonathan's team successfully captured and fit global positioning system (GPS) collars on 20 adult white-tailed deer in 2018 and 39 adult white-tailed deer in 2019, of which 22 remain. The GPS collars allow Jonathan to monitor the survival and movement of each deer for up to two years.

The following properties are being utilized for the study: Central Park, North Meridian Road Park, Ted Black Woods, Nancy Moore Park, Towar Woods, Central Meridian Uplands, Davis Foster Preserve, Red Cedar River East Preserve, Tihart/Cornell Wetland Preserve, Legg Park, Forest Grove Preserve, North Ridge Preserve, the Transfer station, and Tihart Preserve.

Future Plans

The intention is to continue the volunteer archery deer management program in 2020 with the hope that our volunteer's efforts will continue to reduce the herd and provide valuable data on Chronic Wasting Disease to the Michigan DNR.

Conclusion

The Parks and Recreation office regularly fields calls from residents complaining about deer damage to personal property. Our environmental consultants and staff continue to report severe ecological damage to the natural areas due to over-browsing.

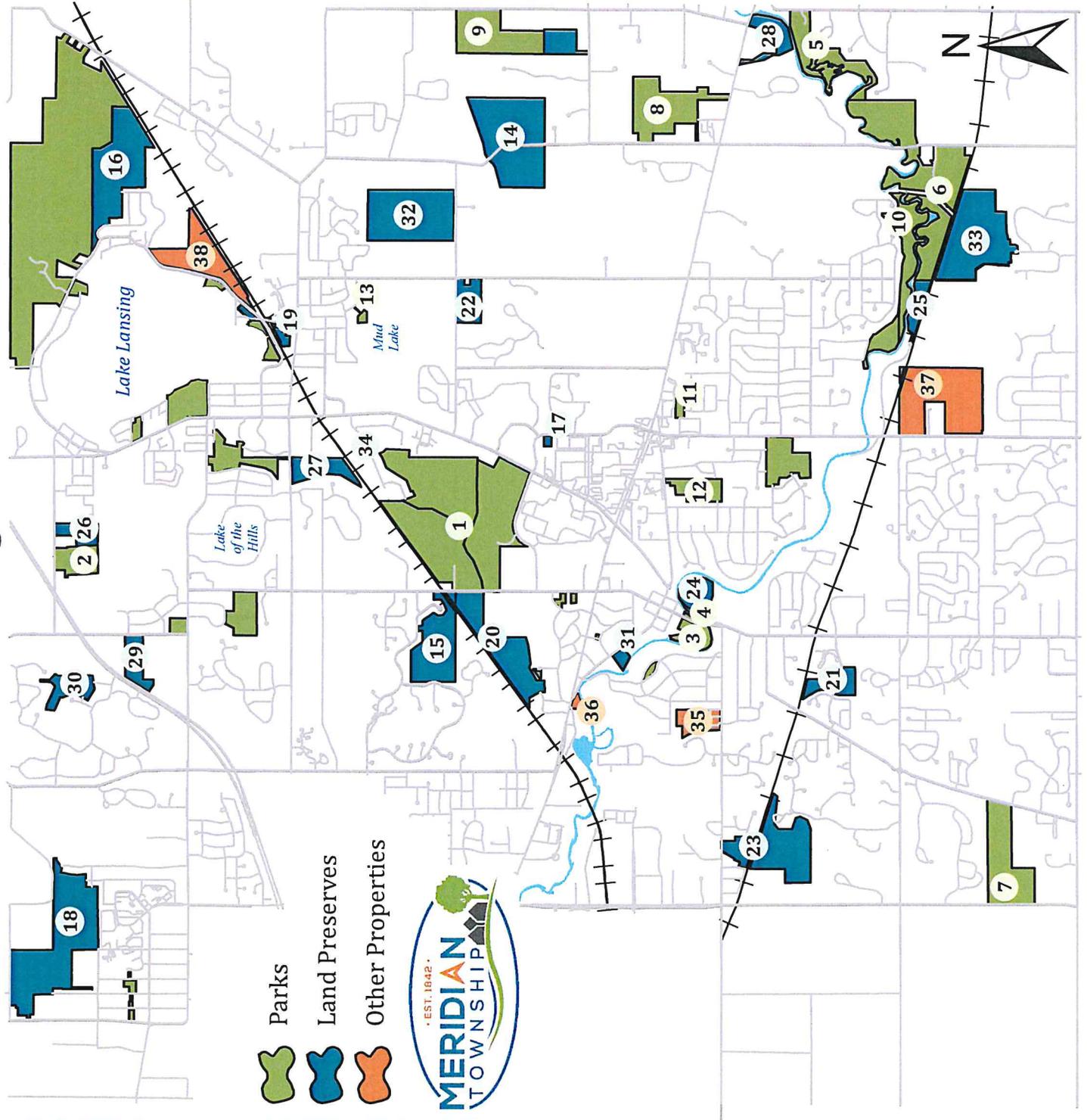
The onset of CWD has also raised concerns about the health of the deer herd in Meridian Township. While not its original intention, the deer management program now plays a vital role in providing the Michigan DNR and MSU with valuable data on the disease. Although, this now means one of the goals of the program to donate all harvested venison is not a possibility at this time. We will keep encouraging hunters to privately donate the venison they harvest and as soon as the CWD restrictions are lifted, we hope to resume all donations to Sportsman Against Hunger.

Attachment:

1. Meridian Township 2020 Deer Management Areas Map

Meridian Township Deer Management Areas 2020

- 1 Central Park
- 2 Townner Road Park
- 3 Wonch Park
- 4 Ferguson Park
- 5 Eastgate Park
- 6 Legg Park
- 7 Hartrick Park
- 8 Ted Black Woods
- 9 North Meridian Rd. Park
- 10 Red Cedar Natural Area
- 11 Forest Hills Natural Area
- 12 Tacoma Hills Natural Area
- 13 Orlando Outlot B
- 14 Davis/Foster Preserve
- 15 Hubbel Preserve
- 16 Lake Lansing North Preserve
- 17 Newnan Equities Preserve
- 18 Towar Woods Preserve
- 19 Lake Lansing South Preserve
- 20 Central Meridain Uplands
- 21 Sower Woods Preserve
- 22 Tihart/Cornell Wetland
- 23 Southwest Meridian Uplands
- 24 Sumbal Preserve
- 25 Red Cedar Glen Preserve
- 26 Towner Wetland Preserve
- 27 Meridian Central Wetland
- 28 Red Cedar River East Preserve
- 29 Forest Grove Preserve
- 30 North Ridge Preserve
- 31 Mandenberg Woods
- 32 Tihart Preserve
- 33 Ponderosa Preserve
- 34 Nemoke Preserve
- 35 Glendale Cemetery
- 36 Riverside Cemetery
- 37 Ingham County Farm
- 38 Transfer Station





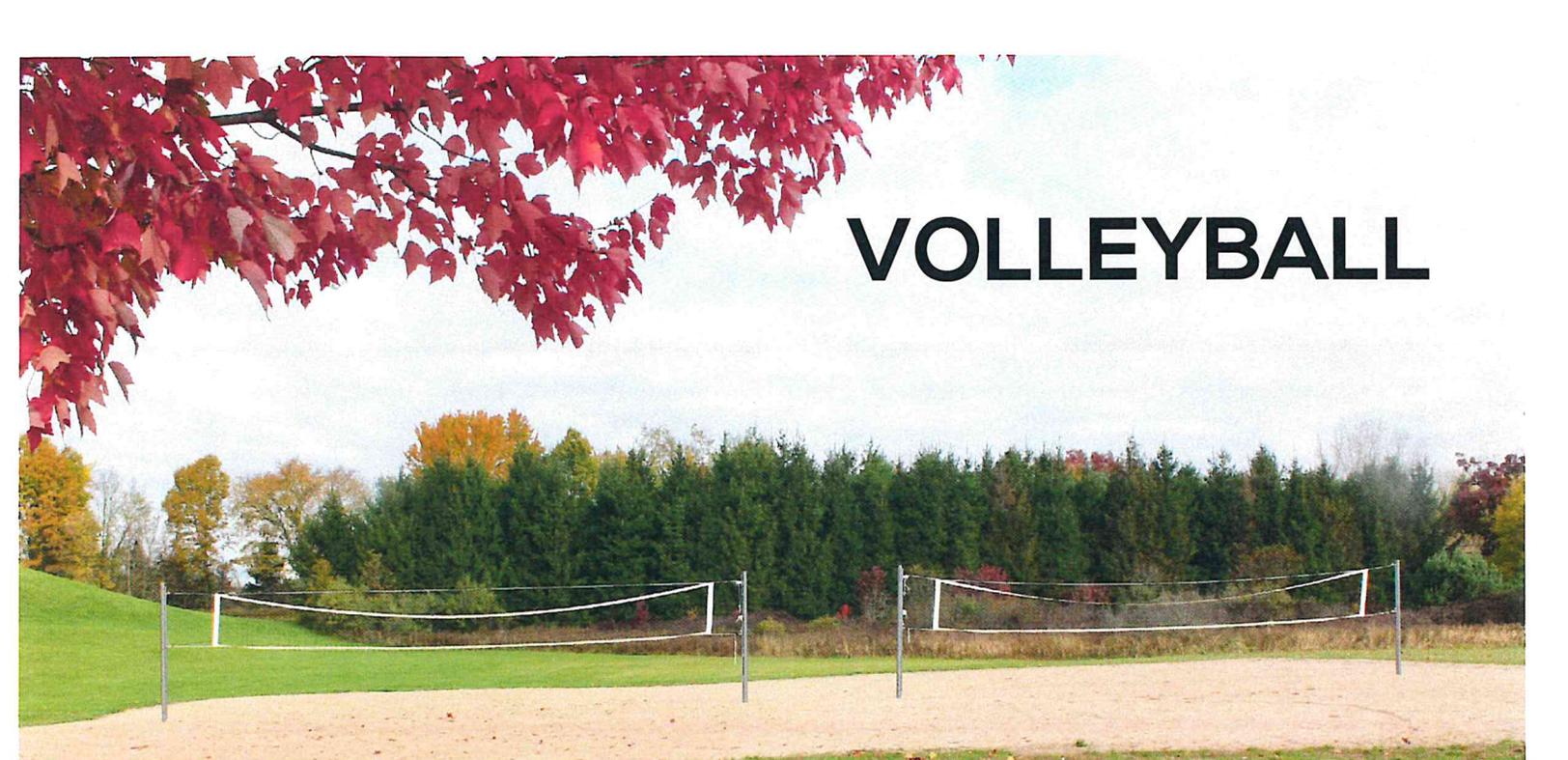
8-E

To: Park Commissioners
From: LuAnn Maisner CPRP, Director of Parks and Recreation
Date: August 7, 2020, 2020
Re: Executive Order 2020-160 Park Amenities

On Friday, August 7, we received notice that based on Governor Whitmer's Executive Order 2020-160, that specifically, volleyball nets in parks were required to be taken down. The order does leave room for interpretation with regards to other park amenities where a 6' distance cannot be maintained. The Executive Order is attached for your review. The following motion is prepared for Board consideration:

Attachment:

1. Executive Order 2020-160



VOLLEYBALL

COVID-19

VOLLEYBALL COURTS CLOSED

AS A PRECAUTION AGAINST THE SPREAD OF COVID-19

Per the most recent Executive Order, all volleyball courts in Meridian Township will now be closed until further notice.

PARKS & RECREATION
517.853.4600



A PRIME COMMUNITY
meridian.mi.us

THE OFFICE OF

GOVERNOR GRETCHEN WHITMER

ABOUT ▼ NEWS ▼ ISSUES ▼ APPOINTMENTS ▼ LT GOVERNOR ▼

WHITMER / NEWS / EXECUTIVE ORDERS

**Executive Order 2020-160:
Amended Safe Start Order****EXECUTIVE ORDER****No. 2020-160****Amended Safe Start Order****Rescission of Executive Orders 2020-110, 2020-115,
2020-120, 2020-133, and 2020-143**

Where Michigan was once among the states most heavily hit by COVID-19, our per-capita rate of new daily cases is now roughly one-third of the national average. Our progress in suppressing the disease, however, appears to have stalled. Cases have risen over the past month—from a rolling seven-day average of 354 cases per day on June 30 to 692 cases on July 28, a two-fold increase.

The virus's resurgence is closely associated with super-spreading events at large social gatherings, often attended by young people. More than 50 cases have been linked to a single house party in Saline; an outbreak at a Lansing bar has resulted in 187 infections; and a sandbar party at Torch Lake over the July 4 weekend led to at least 43 confirmed

cases.

We cannot afford to relax our vigilance if we hope to restart our economy, open our schools, and avoid a second wave. This executive order therefore prohibits any indoor social gatherings of more than 10 people statewide. At the same time, the order also closes bars across the state, including in the Traverse City region and the Upper Peninsula. For the time being, Michiganders must curtail their social gatherings for the good of the community.

As a matter of housekeeping, I am also rescinding a series of prior orders and incorporating them into this comprehensive order governing the activities in Michigan that remain restricted on account of the pandemic. I am taking the occasion, too, to allow for the reopening of the Detroit casinos, subject to a 15% capacity limit and strict workplace safeguards. Casinos have been operating safely across most of the country and in tribal areas in Michigan and should be able to do so in the Detroit region as well.

The novel coronavirus (COVID-19) is a respiratory disease that can result in serious illness or death. It is caused by a new strain of coronavirus not previously identified in humans and easily spread from person to person. There is currently no approved vaccine for this disease.

On March 10, 2020, the Department of Health and Human Services identified the first two presumptive-positive cases of COVID-19 in Michigan. On that same day, I issued Executive Order 2020-4. This order declared a state of emergency across the state of Michigan under section 1 of article 5 of the Michigan Constitution of 1963, the Emergency Management Act, 1976 PA 390, as amended (EMA), MCL 30.401 et seq., and the Emergency Powers of the Governor Act of 1945, 1945 PA 302, as amended (EPGA), MCL 10.31 et seq.

Since then, the virus spread across Michigan, bringing deaths in the thousands, confirmed cases in the tens of thousands, and deep disruption to this state's economy, homes, and

educational, civic, social, and religious institutions. On April 1, 2020, in response to the widespread and severe health, economic, and social harms posed by the COVID-19 pandemic, I issued Executive Order 2020-33. This order expanded on Executive Order 2020-4 and declared both a state of emergency and a state of disaster across the State of Michigan under section 1 of article 5 of the Michigan Constitution of 1963, the Emergency Management Act, and the Emergency Powers of the Governor Act of 1945. And on April 30, 2020, finding that COVID-19 had created emergency and disaster conditions across the State of Michigan, I issued Executive Order 2020-67 to continue the emergency declaration under the EPA, as well as Executive Order 2020-68 to issue new emergency and disaster declarations under the EMA.

Those executive orders have been challenged in *Michigan House of Representatives and Michigan Senate v. Whitmer*. On May 21, 2020, the Court of Claims ruled that Executive Order 2020-67 is a valid exercise of authority under the Emergency Powers of the Governor Act but that Executive Order 2020-68 is not a valid exercise of authority under the Emergency Management Act. Both of those rulings are being challenged on appeal.

On June 18, 2020, I issued Executive Order 2020-127, again finding that the COVID-19 pandemic constitutes a disaster and emergency throughout the State of Michigan. That order constituted a state of emergency declaration under the Emergency Powers of the Governor Act of 1945. And, to the extent the governor may declare a state of emergency and a state of disaster under the Emergency Management Act when emergency and disaster conditions exist yet the legislature had declined to grant an extension request, that order also constituted a state of emergency and state of disaster declaration under that act.

The Emergency Powers of the Governor Act provides a sufficient legal basis for issuing this executive order. In relevant part, it provides that, after declaring a state of emergency, “the governor may promulgate reasonable orders, rules, and regulations as he or she considers necessary to protect life and property or to bring the emergency situation within the affected area under control.” MCL 10.31(1).

Nevertheless, subject to the ongoing litigation and the possibility that current rulings may be overturned or otherwise altered on appeal, I also invoke the Emergency Management Act as a basis for executive action to combat the spread of COVID-19 and mitigate the

effects of this emergency on the people of Michigan, with the intent to preserve the rights and protections provided by the EMA. The EMA vests the governor with broad powers and duties to “cop[e] with dangers to this state or the people of this state presented by a disaster or emergency,” which the governor may implement through “executive orders, proclamations, and directives having the force and effect of law.” MCL 30.403(1)–(2). This executive order falls within the scope of those powers and duties, and to the extent the governor may declare a state of emergency and a state of disaster under the Emergency Management Act when emergency and disaster conditions exist yet the legislature has not granted an extension request, they too provide a sufficient legal basis for this order.

To suppress the spread of COVID-19, to prevent the state’s health care system from being overwhelmed, to allow time for the production of critical test kits, ventilators, and personal protective equipment, to establish the public health infrastructure necessary to contain the spread of infection, and to avoid needless deaths, it was reasonable and necessary to direct residents to remain at home or in their place of residence to the maximum extent feasible. To that end, on March 23, 2020, I issued Executive Order 2020-21, ordering all people in Michigan to stay home and stay safe. In Executive Orders 2020-42, 2020-59, 2020-70, 2020-77, 2020-92, 2020-96, 2020-110, and 2020-115, I extended that initial order, modifying its scope as needed and appropriate to match the ever-changing circumstances presented by this pandemic.

Acting under the Michigan Constitution of 1963 and Michigan law, I find it reasonable and necessary, for the reasons outlined above, to order:

1. **Remote work.** Any work that is capable of being performed remotely (i.e., without the worker leaving his or her home or place of residence) must be performed remotely.
2. **Workplace safety.** Any business or operation that requires its employees to leave their home or place of residence for work is subject to the rules on workplace safeguards in Executive Order 2020-161 or any order that may follow from it.
3. **Individual responsibility.** Any individual who leaves his or her home or place of residence must:

- a. Follow social distancing measures recommended by the Centers for Disease Control and Prevention ("CDC"), including remaining at least six feet from people from outside the individual's household to the extent feasible under the circumstances; and
- b. Follow the rules described in Executive Order 2020-153 or any order that may follow from it governing masks.

4. **Public accommodations restrictions.** Subject to the exceptions in sections 8 and 9, the following places are closed to entry, use, and occupancy by members of the public:

- a. Indoor theaters, cinemas, and performance venues;
- b. Indoor gymnasiums, fitness centers, recreation centers, sports facilities, exercise facilities, exercise studios, and the like;
- c. Millionaire Parties licensed by the Michigan Gaming Control Board;
- d. Until August 5, 2020 at 10 a.m., casinos licensed by the Michigan Gaming Control Board and racetracks licensed by the Michigan Gaming Control Board. After such time, such establishments may operate, subject to the rules on workplace safeguards described in Executive Order 2020-161 or any order that may follow from it; and
- e. Indoor services or facilities, or outdoor services or facilities involving close contact of persons, for amusement or other recreational or entertainment purposes, such as amusement parks, arcades, bingo halls, bowling alleys, indoor climbing facilities, indoor dance areas, skating rinks, trampoline parks, carnival or amusement rides as defined by MCL 408.652(2), water parks, and other similar recreational or entertainment facilities.

5. **Bars.** Food service establishments, as defined in section 1107(t) of the Michigan Food Law, 2000 PA 92, as amended, MCL 289.1107(t), that hold on-premises retailer licenses to sell alcoholic beverages must close for indoor service if they earn more than 70% of their gross receipts from sales of alcoholic beverages.

a. Food service establishments that are closed for indoor service but open for outdoor service must prohibit patrons from entering the establishment, except to walk through in order to access the outdoor area, to leave the establishment, or to use the restroom.

b. For purposes of calculating its percentage of gross receipts from sales of alcoholic beverages under section 1, a food service establishment must use:

1. Gross receipts from 2019; or

2. If the establishment was not in operation in 2019, gross receipts from the date the establishment opened in 2020.

6. **Liquor license restrictions.** Dance and topless activity permits issued under subsections 2 or 3 of section 916 of the Michigan Liquor Control Code, 1998 PA 58, as amended, MCL 436.1916(2) and (3), are temporarily suspended. Combination dance-entertainment permits and topless activity-entertainment permits issued under subsection 4 of section 916 of the Michigan Liquor Control Code, MCL 436.1916(4), are suspended to the extent they allow dancing and topless activity, but remain valid to the extent they allow other entertainment.

a. In enforcing the Michigan Liquor Control Code, the Michigan Liquor Control Commission will consider whether the public health, safety or welfare requires summary, temporary suspension of a license under section 92 of the Administrative Procedures Act of 1969, 1969 PA 306, as amended, MCL 24.292(2).

b. Nothing in this order or in Executive Order 2020-161 prevents food service establishments from selling alcoholic beverages for off-premises consumption to patrons who are not seated at a table, or to require such patrons to remain seated when ordering such beverages.

c. Nothing in this order or in Executive Order 2020-161 prevents the holder of a social district license under section 551 of the Michigan Liquor Control Code, 1998 PA 58, as amended, MCL 436.1551:

1. From selling alcoholic beverages for consumption in a commons area within a designated social district to patrons who are not seated at a table; or

2. To require such patrons to remain seated when ordering such beverages.

7. Rules on gatherings, events, and large venues.

a. A social gathering or organized event among persons not part of the same household is permitted, but only to the extent that:

1. The gathering or event is designed to ensure that persons not part of the same household maintain six feet of distance from one another;

2. Persons not part of the same household maintain six feet of distance from one another;

3. If it is indoors, the gathering or event does not exceed 10 people; and

4. If it is outdoors, the gathering or event does not exceed 100 people.
 - b. Subsection (a) does not apply to the incidental gathering of persons in a shared space, including an airport, bus station, factory floor, restaurant, shopping mall, public pool, or workplace.
 - c. Notwithstanding the restrictions in subsection (a) or in subsections 8(c) or 8(d), professional sports leagues and teams, including professional athletes engaged in individual sports, may resume operations, provided that:
 1. No live audiences are allowed, except for staff of the facility at which a sporting event is held and media personnel reporting on, filming, or otherwise documenting the sporting event;
 2. The activities are conducted pursuant to a COVID-19 safety plan that is consistent with any guidance from the Centers for Disease Control and Prevention and the Michigan Department of Health and Human Services; and
 3. Participants maintain six feet of distance from one another to the extent compatible with the sporting activity.
 - d. The restrictions described in subsection (a)(3) do not apply to polling places.

8. Regions 6 and 8.

- a. The restrictions described in section 4 of this order do not apply in Regions 6 and 8.
- b. Notwithstanding section 7(a)(4) of this order, an outdoor social gathering or outdoor

organized event among persons not part of the same household is permitted in Regions 6 and 8, but only to the extent that the gathering or event does not exceed 250 people and complies with subsection 7(a)(1) and 7(a)(2) of this order.

c. In Regions 6 and 8, and notwithstanding the restrictions in section 7(a), an indoor arcade, bowling alley, cinema, climbing facility, convention center, performance space, meeting hall, sports arena, theater, or similar indoor venue may be open to spectators or patrons, but only to the extent that it:

1. Arranges the venue such that persons not part of the same household may maintain six feet of distance from one another at all times while in the venue; and
2. Limits the number of people in the venue to 25% of its maximum capacity or to 250, whichever is smaller. For purposes of this order, each separate auditorium or screening room is a separate venue.

d. In Regions 6 and 8, and notwithstanding the restrictions in section 8(b), an outdoor concert space, race track, sports arena, stadium, or similar outdoor venue may, be open to spectators or patrons, but only to the extent that it:

1. Arranges the venue such that persons not part of the same household may maintain six feet of distance from one another at all times while in the venue; and
2. Limits the number of people in the venue to 25% of its maximum capacity or to 500, whichever is smaller.

9. **Exceptions.** The restrictions imposed by sections 4 of this order do not apply to any of the following:

a. If they are outdoors, fitness classes, athletic practices, training sessions, or games,

provided that coaches, spectators, and participants not from the same household maintain six feet of distance from one another at all times during such activities, and that equipment and supplies are shared to the minimum extent possible and are subject to frequent and thorough disinfection and cleaning;

b. Services necessary for medical treatment as determined by a licensed medical provider;

c. Health care facilities, residential care facilities, congregate care facilities, and juvenile justice facilities;

d. Crisis shelters or similar institutions;

e. Food courts inside the secured zones of airports; and

f. Employees, contractors, vendors, or suppliers who enter, use, or occupy the places described in section 4 of this order in their professional capacity.

10. **Parks.** Unless otherwise prohibited by local regulation, outdoor parks and recreational facilities may be open, provided that they make any reasonable modifications necessary to enable employees and patrons not part of the same household to maintain six feet of distance from one another, and provided that areas in which social distancing cannot be maintained be closed, subject to guidance issued by the Michigan Department of Health and Human Services.

11. **Pools.** Unless otherwise prohibited by local regulation, public swimming pools, as defined by MCL 333.12521(d), may be open, subject to guidance issued by the Department of Health and Human Services, provided that:

a. If they are outdoors, they limit capacity to 50% of the bather capacity limits described

in Rule 325.2193 of the Michigan Administrative Code;

- b. If they are indoors and located in Regions 6 or 8, they limit capacity to 25% of the bather capacity limits described in Rule 325.2193 of the Michigan Administrative Code;
- c. If they are indoors and located outside of Regions 6 or 8, they open only for infant and child drowning prevention classes and limit capacity to 25% of the bather capacity limits described in Rule 325.2193 of the Michigan Administrative Code; and
- d. They limit capacity on the pool deck to ensure that persons not part of the same household maintain six feet of distance from one another.

12. **Region definitions.** For purposes of this order, Michigan comprises eight separate regions.

- a. Region 1 includes the following counties: Monroe, Washtenaw, Livingston, Genesee, Lapeer, Saint Clair, Oakland, Macomb, and Wayne.
- b. Region 2 includes the following counties: Mason, Lake, Osceola, Clare, Oceana, Newaygo, Mecosta, Isabella, Muskegon, Montcalm, Ottawa, Kent, and Ionia.
- c. Region 3 includes the following counties: Allegan, Barry, Van Buren, Kalamazoo, Calhoun, Berrien, Cass, Saint Joseph, and Branch.
- d. Region 4 includes the following counties: Oscoda, Alcona, Ogemaw, Iosco, Gladwin, Arenac, Midland, Bay, Saginaw, Tuscola, Sanilac, and Huron.

- e. Region 5 includes the following counties: Gratiot, Clinton, Shiawassee, Eaton, and Ingham.

 - f. Region 6 includes the following counties: Manistee, Wexford, Missaukee, Roscommon, Benzie, Grand Traverse, Kalkaska, Crawford, Leelanau, Antrim, Otsego, Montmorency, Alpena, Charlevoix, Cheboygan, Presque Isle, and Emmet.

 - g. Region 7 includes the following counties: Hillsdale, Lenawee, and Jackson.

 - h. Region 8 includes the following counties: Gogebic, Ontonagon, Houghton, Keweenaw, Iron, Baraga, Dickinson, Marquette, Menominee, Delta, Alger, Schoolcraft, Luce, Mackinac, and Chippewa.
13. **Separation of powers.** Nothing in this order should be taken to interfere with or infringe on the powers of the legislative and judicial branches to perform their constitutional duties or exercise their authority. Similarly, nothing in this order shall be taken to abridge protections guaranteed by the state or federal constitution under these emergency circumstances.
14. **Religious worship.** Consistent with prior guidance, neither a place of religious worship nor its owner is subject to penalty under section 17 of this order for allowing religious worship at such place. No individual is subject to penalty under section 17 of this order for engaging in religious worship at a place of religious worship.
15. **Effective date.** Except as otherwise specified, this order takes effect at 12:01 a.m. on July 31, 2020. At that time, Executive Orders 2020-110, 2020-115, 2020-120, 2020-133, and 2020-143 are rescinded. Except as otherwise specified, nothing in this order supersedes any other executive order.
16. **Future orders.** In determining whether to maintain, intensify, or relax the restrictions in this order, I will consider, among other factors, (1) data on COVID-19 infections and

the disease's rate of spread; (2) whether sufficient medical personnel, hospital beds, and ventilators exist to meet anticipated medical need; (3) the availability of personal protective equipment for the health care workforce; (4) the state's capacity to test for COVID-19 cases and isolate infected people; and (5) economic conditions in the state.

17. **Penalty.** Consistent with MCL 10.33 and MCL 30.405(3), a willful violation of this order is a misdemeanor.

Given under my hand and the Great Seal of the State of Michigan.

3

MICHIGAN.GOV HOME
ADA
MICHIGAN NEWS
POLICIES

COPYRIGHT 2020 STATE OF MICHIGAN



To: Park Commissioners
From: LuAnn Maisner CPRP, Director of Parks and Recreation
Date: August 6, 2020
Re: 2020 Project Grand Openings

This has been a big year for park projects for sure! A lot of hard work has gone into securing funding, design and engineering, bidding, monitoring construction and pay requests, and fulfilling grant requirements and reporting. Now comes the fun part... opening these amenities to the public! During these difficult times, this is something positive that will be amazing to share with the community! Chair Lick would like Commission to discuss possible dates and planning ideas for these exciting events. Planning items to consider: Dates, times, invitation list, speakers, entertainment, food, activity, promotion and advertising. Please bring your calendars!

Marketplace on the Green - September

Large Dog Park - Early September

Gateway Footbridge and Restroom Building in the Historical Village -Early September

Central Meridian Regional Trail Connector - Late October

Harris Nature Center Restroom Building and Pavilion- October