VILLAGE OF CALEDONIA

PARK & RECREATION ADVISORY COMMITTEE MEETING
Tuesday, May 13, 2025 at 5:00 p.m.
Caledonia Village Hall - 5043 Chester Lane
Caledonia, WI 53402

1. **Meeting called to order**
2. **Roll Call**
3. **Approval of Minutes:** Parks and Recreation Advisory Committee – April 8, 2025

4. **Public Comment –** Provides a two-minute opportunity for citizens to voice opinions to the Park & Recreation Advisory Committee. The Committee cannot respond as this may conflict with open meeting requirements.

5. **New Business**
   A. Review and Discuss Solar Lighting Opportunity for Crawford Park
   B. Review and Discuss Security for Future Crawford Park Expansions
   C. Review and Discuss Gorney Park Northern Enclosure for Dog Park Opportunity
   D. Review and Discuss Possible Disc Golf Opportunity for Gorney Park.

6. **Continuing Business**
   A. Crawford Park Expansion Phase III – Project Update
   B. Crawford Park Mass Grading Phase II – Project Update

7. **Adjournment**

Park & Recreation Advisory Committee Meeting
Arpil 8, 2025

1 - Order

Meeting called to order by Trustee McManus at 5:01 p.m.

PRESENT: 5 – Trustee McManus, Trustee Lambrecht, Eugene Pagel, Christian De Jong, Tom, Ian Dart

ABSENT: 1 –Larry Pedrazoli (unexcused) 1 – Tom Dovorony (Unexcused)

STAFF/OTHER: Village Engineer Ryan Schmidt, Trustee Dale Stillman, Trustee Fran Martin, Trustee Nancy Pierce

2 – Approval of Minutes from March 11, 2025

Motion to approve the Minutes from March 11th, 2025, made by Eugene Pagel. Seconded by Michael Lambrecht. Motion carried unanimously.

3 - Public comment –

The following people appeared to speak before the Committee:

Pat Roeder – 8910 7 Mile Road (on behalf of brother) – Pat spoke against the concept of bringing the dog park back at Gorney after it had been considered "dead". Is still not in favor of this original location against her families farm/property.

Dale Stillman – on behalf of Bob Grove @ 8024 Nicholson Road - They are not in favor of Dog Park that was also believed to be denied.

4 – New Business

A. Review and Discuss Crawford Park Expansion Phase III Bid Results

Staff presented the bid tab from the project that was awarded by the Village Board and explained the line items and how it fit within the Capital Improvement Budget. Discussion amongst the committee about specific line items occurred and staff elaborated how it fits within the project scope. The Committee recommended that Staff look into lighting for the new phase as well as the ability to provide security cameras to the area.

No Motion Required.

B. Review and Discuss Future Crawford Park Phasing

Staff presented the Crawford Park Master Plan and where each phase has been located to date. Staff then presented some of the remaining options available for the committee to investigate, including the expanded parking lot, splash pad, and playground equipment. Discussion amongst the committee occurred on these items and potential costs. The discussion was lengthy and will require additional meetings to go over. Staff recommended that we continue the conversation next month and that the goal is to have a recommendation to the Village Board before budget season this summer.

No motion was made.

C. Review Gorney Park Site Plan from the late 1990's.

Staff presented the site plan for Gorney Park from the late 90's. Staff described this as a plan that could function like a Master Plan for the Park. Short discussion on the layout occurred amongst the committee. No motion required.

5 – Continuing Business

A. Review and Discuss Gorney Park Dog Park History.

Staff presented Village Ordinance and Robert's Rules regarding the action to bring back an item that has failed. Staff told the committee that the opportunity at the Board level to bring it back has since passed and that a project would need to be different in order for it to be considered at the Board level again. Staff reiterated that a Disc Golf Course has been discussed in the past at this location and could be done in conjunction with Root-Pike-Win to naturalize and create a prairie at Gorney Park.

The Committee directed staff to investigate the demolition of the old building located at the northern end of Gorney Park and if that site, formerly the shooting range for the Police Department, could be retrofit to act as a Dog Park.

No Motion Made.

6 – Adjournment

Trustee McManus adjourned the meeting at 5:55pm with no more items on the agenda.

MEMORANDUM

Date: April 28, 2025

To: Parks & Recreation Advisory Committee

From: Ryan Schmidt, P.E.
Village Engineer

Re: **Solar Powered Street Light Pole Option – Crawford Park**

BACKGROUND INFORMATION

The Parks Committee directed staff at its March 2025 meeting to further research the solar power lighting option for the Crawford Park Expansion Phase III project. The Village has traditionally refrained from the use of outdoor lighting in the park system. However, in the last few years of the development of the Master Park Plan, lighting has become a larger concern to ensure safety and extended use of the amenities that Crawford Park will provide. This report will summarize staff's research into solar lighting options compared to the traditional lighting done through We Energies.

Solar Street Light Pole options are a specialty item and more exclusive, especially to areas in the south. A recently installed solar powered street light pole was in the news last year in a neighboring community and was the first point of contact for information by Staff. That pole was manufactured by Fonroche Lighting out of Texas and Staff reached out to them for a quote and design information of their product. That information has been attached as an exhibit to this quote and an image is below for the light pole installed in 2024 in Cudahy.

The lighting pattern was selected to create the biggest impact with the least amount of infrastructure. While poles are typically located inside of courts and attempted to be placed on the sides of the court, the proposed court design and layout includes 3 poles for Pickleball placed inside the "alley" with two arms each and then 2 poles dedicated to the parking lot. The proposed lighting footprint provides coverage for a majority of the pickleball courts and lots and is guaranteed by the manufacturer to light all night for 8 years. This proposed layout also anticipates lighting being added in the future for Tennis or other amenities that will be added during the park expansion. So areas that may not have the most lighting coverage will eventually gain more lighting with future additions of lighting. The design is sleek and matches well with the proposed black epoxy coated chain link fence in the area.

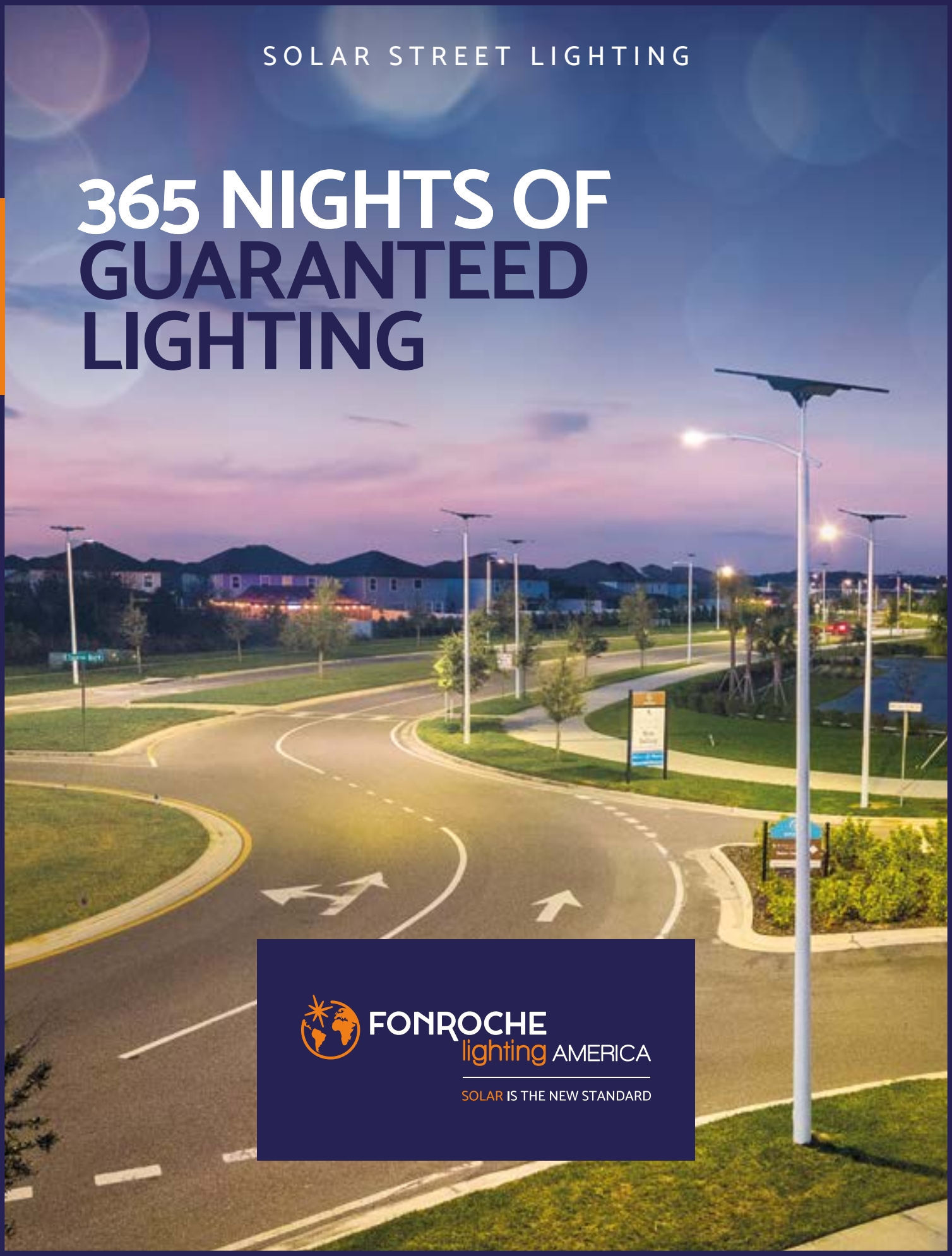
The alternative option is to bring electricity to the site through We Energies and a separately bid project that lights the property more uniformly through standardized street light poles (that can be more decorative). This would include poles that are owned by We Energies but monthly billing is handled by the Village. The upfront cost of this would be similar to the cost

of the solar poles but there is an estimated cost of $1,000 per year per pole in energy costs that have to be accounted for. However, long term strategies for lighting the park may be beneficial as power will need to be brought to the site for the overall goals of the park and it may be worth adding lighting that may service more than just the courts; i.e. baseball diamonds, ice rink, court sports, etc. These needs may require the level of service provided by We Energies while solar may be used for mor strategic locations of lighting needed in areas of isolated amenities from the “grid”.

Ultimately, staff does support the idea of solar power and recommends that the Park Committee make a motion to utilize any budgetary savings for the Phase III project for the installation of 2 solar poles in the proposed parking lot as a pilot project. This case study can then be used to determine the future lighting needs of the park and its amenities as expansion continues.

SOLAR STREET LIGHTING

365 NIGHTS OF GUARANTEED LIGHTING



FONROCHE lighting AMERICA

SOLAR IS THE NEW STANDARD

SOLAR IS THE NEW STANDARD

SOLAR LIGHTING, THE NEW STANDARD

At Fonroche Lighting, we are motivated by our desire to revolutionize street lighting around the world. As a pioneer in the market, we are convinced that solar energy is the best alternative to conventional grid street lighting. Together, we will overcome challenges and break the mold to accelerate the transition to a world of sustainable, efficient, economical and responsible lighting.

SOLAR IS THE NEW STANDARD

WHY CHOOSE SOLAR LIGHTING?

FOR 365 NIGHTS OF...

Savings

Quick and easy installation, no more electricity bills and no maintenance for ten years

Safety

Anti-blackout security system and vandalism protection

Autonomy

100% powered by solar energy, our solutions do not require connection to the grid

Intelligence

Optimized energy storage and remote lighting control

Reliability

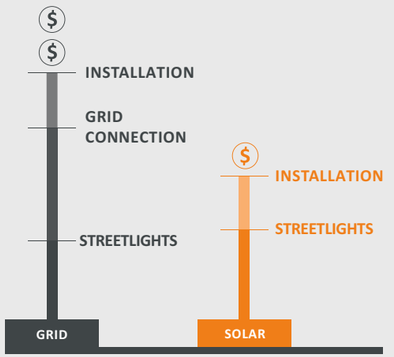
Resistant to even the most extreme weather conditions, including high winds and temperatures ranging from -40 °F to +158 °F

Environmental Responsibility

With a carbon footprint 2 to 6 times lower than grid lighting

Solar lighting, It's lower cost right from the initial investment!

Solar lighting eliminates the need for electrical grid repairs or construction costs thanks to its **cable-free, hook up free, and switchgear free operation**, representing significant savings. With solar lighting, savings are immediate: say goodbye to electricity bills for your outdoor lighting!



1 mile STRETCH OF ROAD

POWER 365 SOLAR TECHNOLOGY

SOLAR LIGHTING techology BY FONROCHE

Consisting of a highly efficient photovoltaic panel, a smart storage system and the latest LED lighting, the Smartlight is the most powerful solar streetlight available on the market. The **Power 365 solar technology** developed by Fonroche Lighting guarantees a level of reliability and competitiveness that is unrivalled on the market thanks to our high-performance components and a project approach specific to each environment and approved by major transportation departments.

DESIGNED IN FRANCE

ASSEMBLED IN THE USA

5-years Warranty

Photovoltaic Module

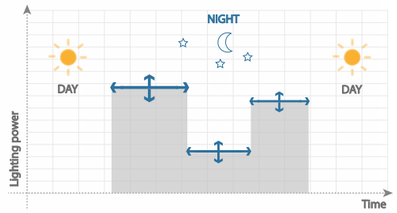
SERVICE LIFE 30 Years

- Excellent efficiency in all climates
- Self-cleaning hydrophobic coating

Smart Storage and Management System

SERVICE LIFE 12 Years

- Long lifespan (4,000 cycles)
- Easy to recycle
- Durability in extreme temperatures (From -40°F to +158 °F)
- Programmable lighting profiles:



LED Light

SERVICE LIFE 20 Years

- Lighting performance exceeding 190 Lm/W
- From 40 to 80 nominal Watts

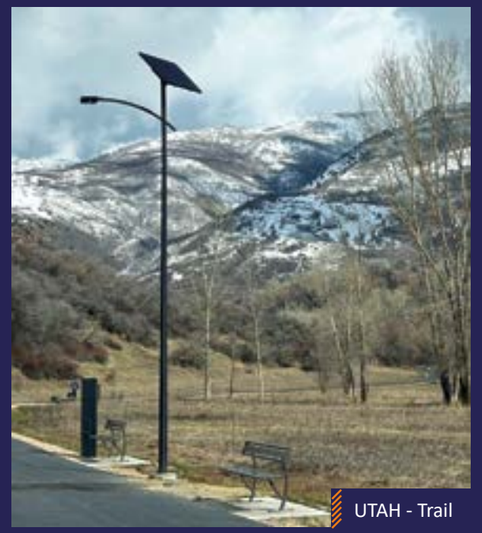
Pole and Mounting Arm

- Sized to official AASHTO Standards or as specified

FONROCHE Connect : Remote Communication Tool

- Remote monitoring and diagnosis
- Geolocation of each streetlight
- Remote monitoring of one or multiple streetlights simultaneously
- Long-range communication

NEW HAMPSHIRE - Road



UTAH - Trail

FLORIDA - Parking lot

SUCCESSFULLY ACHIEVE YOUR SOLAR LIGHTING PROJECT GOALS

THANKS TO OUR UNIQUE APPROACH

Each project is different. By taking into account the irradiance and weather conditions of each project, we can determine the right streetlight size and components to guarantee 365 nights of lighting.

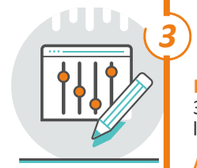
1 Identification of Project

requirements

2 Solar and Environmental Study

COLLECTION
of weather data from the site

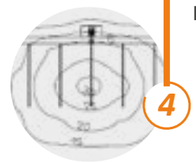
SIZING
and simulation of a typical year



3 Custom Photometric Study

RESULTS
365 nights of guaranteed lighting per year

ADJUSTMENT
to create a project tailored to its location



4 Precise Installation

for an optimized budget

WHY CHOOSE FONROCHE LIGHTING ?

World leader in solar street lighting

1

For the reliability and robustness of our products,

proven in thousands of projects worldwide

2

For our unique expertise

design, innovation, manufacturing, logistics, training, and more

3

Because we are the only ones,

to guarantee you **365 nights of lighting per year**

OUR EXPERTISE:

The Power Room:

THE LARGEST BATTERY TEST CENTER FOR SOLAR-POWERED LIGHTING

5381 ft² dedicated to battery testing and validation, allowing for simulation of all climates to ensure the reliability, durability, and longevity of our systems.

Who Are We?

Fonroche Lighting America is headquartered in Fort Worth, TX and operates satellite offices in Boise, Boston, Orlando, and Phoenix. The manufacturing and distribution site in Fort Worth is a 50,000 square foot facility with high bays, multiple loading docks, and outdoor storage. The current capacity is 400 solar streetlights per week.

Our global HQ is based in Southwest France and there we design and develop the technology behind our autonomous solar-powered streetlights to illuminate all types of infrastructure.

20 YEARS OF EXPERIENCE

200 EMPLOYEES

$85 M SALES IN 2023

5 SUBSIDIARIES THROUGHOUT THE WORLD

YOUR AREA, YOUR STYLE, OUR AMBIENCES

With lines that blend functionality and elegance, the lights in our SMARTLIGHT range are designed as a complete package and come in a variety of distinctive styles. In addition to providing solar-powered lighting, Fonroche Lighting can also help you choose the ambience that best suits your environment, reflecting your desire to take an innovative approach to street lighting.

All our Smartlight luminaires comply with the darksky guidelines..

NEW ART

Brilliant
Contemporary
Mineral

BELLE EPOQUE

Refined
Authentic
Urban

OPERA

Customizable
Chic
Modern

ESSENTIAL

Sleek
Timeless
Design

NEW ART

Stand Out
With a Contemporary Style

BRILLIANT & **MINERAL**

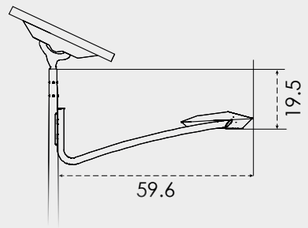
Heavily influenced by nature and minerals, the design of the NEW ART lantern for solar-powered streetlights is inspired by diamonds, with their solidity and special relationship with light. The facets on top of the lantern give it a raw, carved-out appearance, but also a technological edge.

This light, with its fluid, lightweight design, will add a high tech feel to your roads, whether in rural or urban environments. NEW ART is ideal for those who want to stand out from the crowd and make an impact.

Applications:
roads, streets, walkways, roundabouts, highways, etc.

SPECIFICATIONS

Materials	Aluminium casting
LED modules	Interchangable Modules- IP67 and IK09
Mounting Arm	Bolt-on mounting arm: **Available in a single or twin version**
Lighting efficiency	> 190 lm/W
Color temperature	2000K- 2200K- 2700K- 3000K- 4000K
Uplight	0%



BELLE EPOQUE

Traditional

With a Modern Twist

BELLE EPOQUE

TRADITION & **MODERNITY**

Inspired by 'traditional' lighting, the BELLE EPOQUE lantern is a nod to days gone by. By turning this lantern upside down, we have brought it up to date, giving it a robust and solid appearance while retaining its refined, distinctive shape.

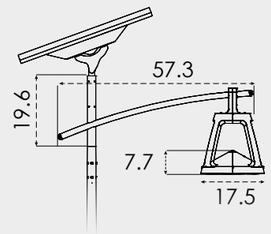
BELLE EPOQUE is a stylish street light that fits in perfectly with traditional urban and architectural spaces, such as town squares, plazas and roads. The shape of the mounting arm and the way in which the lantern is attached gives the impression that the light is suspended in mid-air, which lightens the overall structure.

A collection of 4 color combinations
specially designed by urban color designers. Ask for our exclusive color chart.

Applications:
roads, town squares, parks and trails, etc.

SPECIFICATIONS

Materials	Aluminium casting
LED modules	Interchangable Modules- IP67 and IK09
Type of mounting arm	Oblong slip fit mounting arm: **Available in a single or twin version**
Lighting efficiency	> 190 lm/W
Color temperature	2000K- 2200K- 2700K- 3000K- 4000K
Uplight	0%
Customization	Colors (see color chart)
Equipment	Bird guard included



OPERA

Enhance Your Lighting
With Decorative Features

ORNAMENTATION & **CUSTOMIZATION**

OPERA brings a modern twist to traditional lighting features such as decorative ornamentation and arches.

Ornate and customizable, OPERA can be easily adapted to suit the specific character of each location. The low position of the LED modules ensures optimized, high-performance lighting. Ideal for urban environments, the OPERA lantern will:

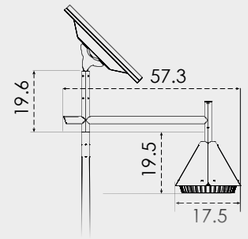
- give residential areas more personality
- add a touch of modernity to urban streets
- enhance parking lots

A collection of 6 color combinations
specially designed by urban designers. Ask for our exclusive color chart.

Applications:
trails, roads, parking lots, parks and walkways, etc.

SPECIFICATIONS

Materials	Aluminium casting with decorative sheet metal
LED modules	Interchangable Modules- IP67 and IK09
Type of mounting arm	Suspension-effect slip fit mounting arm: Available in a single or twin version
Lighting efficiency	> 190 lm/W
Color temperature	2000K- 2200K- 2700K- 3000K- 4000K
Uplight	0%
Customization	Colors (see color chart)



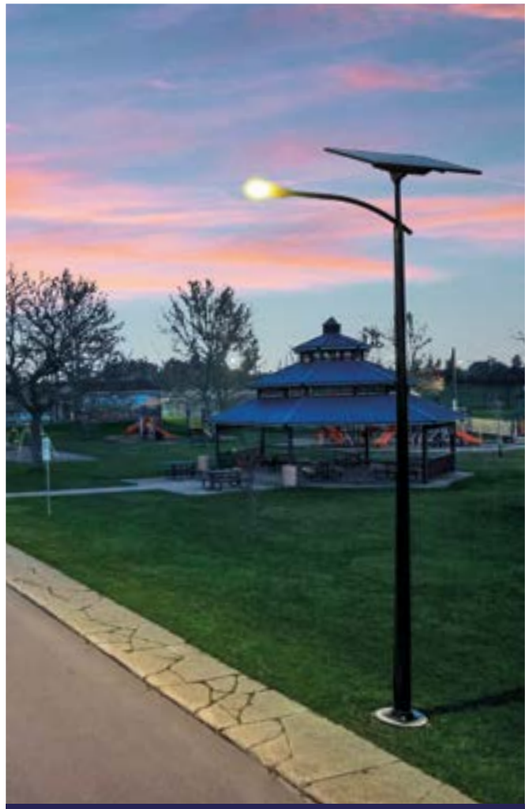
ESSENTIAL

A Streamlined
and Timeless Aesthetic

ESSENTIAL

MULTI-FUNCTIONAL

With its timeless design, the ESSENTIAL luminaire can be adapted to suit any project and any setting. This highly functional luminaire with its sleek, slender lines is designed to blend in with any environment.



Applications:
roads, parking lots, housing developments, etc.

SPECIFICATIONS

Materials	Galvanized steel- aluminium casting
LED modules	Interchangable Modules- IP68 and IK09
Type of mounting arm	Galvanized steel slip fit mounting arm- **Available in a single or twin version and with backlights**
Lighting efficiency	> 190 lm/W
Color temperature	2000K- 2200K- 2700K- 3000K- 4000K
Uplight	0%
Customization	Colors

SOLAR LIGHTING
EVERYWHERE AND FOR EVERYONE

MOROCCO - Dar Bouazza Peninsula Park

URUGUAY - Paysandú Road

FRANCE - Calais Highway interchange

MORE INFORMATION AT
FonrocheSolarLighting.com

BLOG

Tel.: +1 339-225-4530
Sales@Fonroche.us
FONROCHE LIGHTING AMERICA
4900 David Strickland Rd. | Fort Worth, TX 76119

npp gov · AWARDED VENDOR · BuyBoard · Allied States Cooperative

FONROCHE lighting AMERICA

APPLICATION DESIGN

Lighting for Crawford Park Expansion Project
Caledonia - WI

Jason Herz
Regional Sales Manager
P: (339) 225-4530 x227
E: jason.herz@fonroche.us

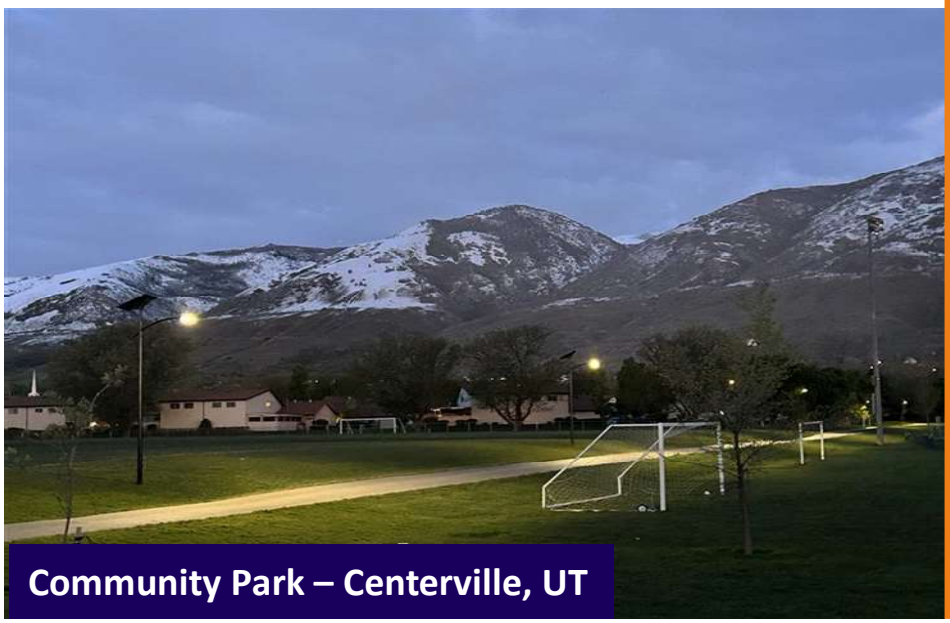
Brushy Creek - Cedar Park TX

Project Number:	G8736
Date:	4/30/2025
Written by:	Cuong VU
Version :	A

The global leader in solar lighting

Fonroche Lighting America is proud to be part of Fonroche Lighting, the global leader in off-grid solar street lighting. The deep resources and broader scope of an established market leader lets us take solar lighting even further, from the State Treasury in Salem, Oregon to the West African Republic of Senegal. Over 150,000 Fonroche SmartLight systems have been deployed worldwide.

With five offices in the USA and installations across the country, Fonroche is never far away. Some solution providers enter the solar lighting market—then move on. We're a reliable partner that sticks around. You get the responsive support and smart answers that you need now—and the confidence that we'll be here for you far in the future. And we can take on projects of any size, from local to national. That's why so many municipalities, military and federal facilities, tribes, commercial properties, and developers trust us to deliver the full promise of solar lighting.



Community Park – Centerville, UT

The 3 key benefits for your project

- OFF-GRID
100% solar, not connected to the utility grid. No outages.
365 nights of light a year – guaranteed.

- POWERFUL
Powerful illumination, on a par with grid-connected systems.

- COST-EFFICIENT
No maintenance for the first 10 years. Rapid installation. No operating costs.

Feasibility of your solar lighting project

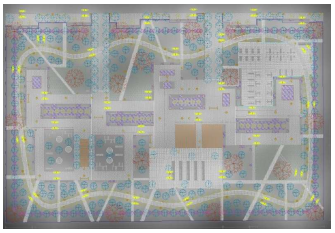
To guarantee powerful, cost-effective off-grid lighting, Fonroche operates its own **design offices**.
We assess the feasibility of each project in four stages:

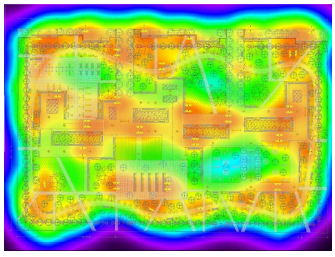
1. First, we define your **lighting requirements**.

2. Next, we analyze the last 10 years of **local weather data** to determine how much energy our PV panels will generate.

3. On this basis, we **calculate** what size and how many products we need to install.

4. Finally, our sales team draws up a **cost estimate**.





Fonroche Lighting America - Design Office

Rightsized to your specific needs

FONROCHE lighting AMERICA

1 Project = 1 Study

10-Year Analysis of local weather data

We use the **PVsyst** software suite and **Meteonorm** historical time series irradiation data to calculate the real-world operating conditions — orientation and tilt angle of the panel, shadow, etc. — and external parameters, such as direct and diffuse irradiation, temperature and the solar calendar.

Simulation of product(s) over a typical year

Our teams have developed a solar sizing software application, which we use to determine which products will best meet your needs. We then simulate how these products operate over a typical year, based on the average conditions for **the last decade**.

Sizing the project to your needs

We use a set of key criteria to optimally specify your project:

- Average battery charge level over the year
- Minimum charge level
- Comparative analysis of energy generated by the panel vs. energy used by the system
- Worst-case scenario (lowest irradiation, longest night)

Results

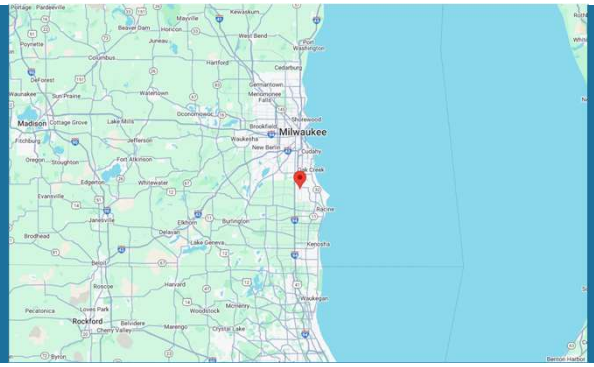
Based on our experience, we propose the **optimal solution** in terms of lighting **performance** and **cost effectiveness**.

Autonomy of 365 nights of lighting /year

Fonroche Lighting America - Design Office

Analyzing your lighting project

Your Project location



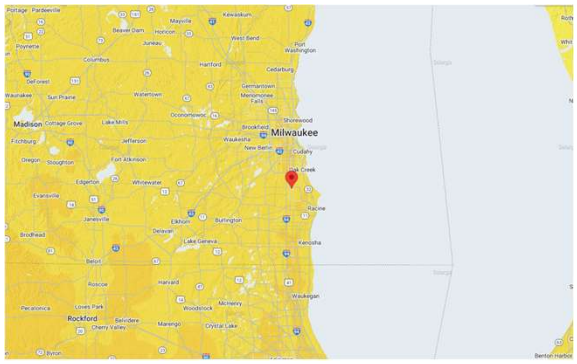
Caledonia - WI

USA

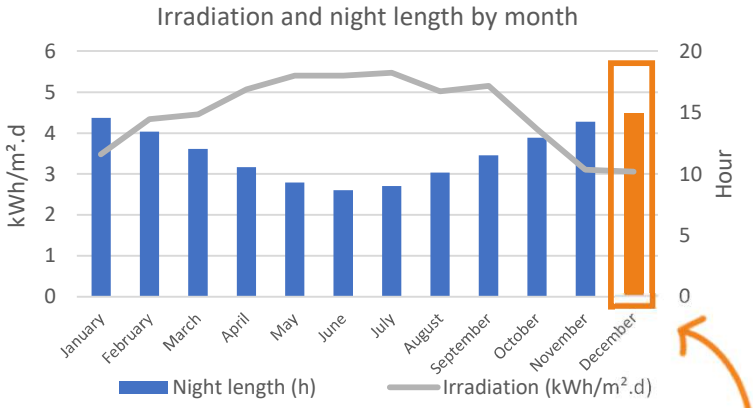
GPS COORDINATES
Latitude: 42.8078
Longitude: -87.9242

Your Solar Potential

We have analyzed the weather data for the last 10 years at your project location so that we can guarantee constant lighting every night of the year.



Average annual irradiation : 4.51 kWh/m².d



Sizing takes account of the month with the lowest irradiation and the longest night.

Your Lighting Application

Park

Compliance with public lighting standards

Your project has been designed in compliance with:
- AASHTO standard

Fonroche Lighting America - Design Office

Our technical proposal

FONROCHE lighting AMERICA

SMARTLIGHT SYSTEM CONFIGURATION - Parking

WARRANTY 8 Years

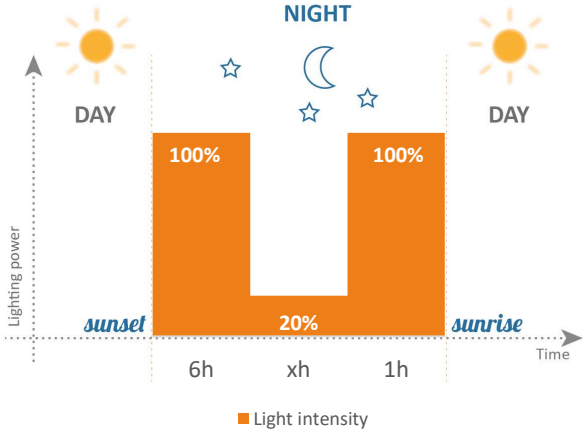
Non pro-rated

Project-Specific System Specifications

PHOTOVOLTAIC MODULE (SERVICE LIFE 30 years)	
PV panel power rating	310 Wp
PV panel tilt angle	45°
POWER 365: SMART STORAGE AND MANAGEMENT (SERVICE LIFE 10 years)	
Battery capacity (Must be NiMH)	936 Wh
LED LIGHT UNIT (SERVICE LIFE 20 years)	
Lighting power	50 W nominal
LED light unit specification	4000K - 180 Lm/w
POLE & CROSSPIECE	
Pole Height / Arm Length	20’ / 4’
Base Type	Existing anchor base
Protective treatment	Powder Coated

POWER 365

Chosen lighting profile for your project



Our technical proposal

FONROCHE lighting AMERICA

SMARTLIGHT SYSTEM CONFIGURATION – Pickleball courts

WARRANTY 8 Years

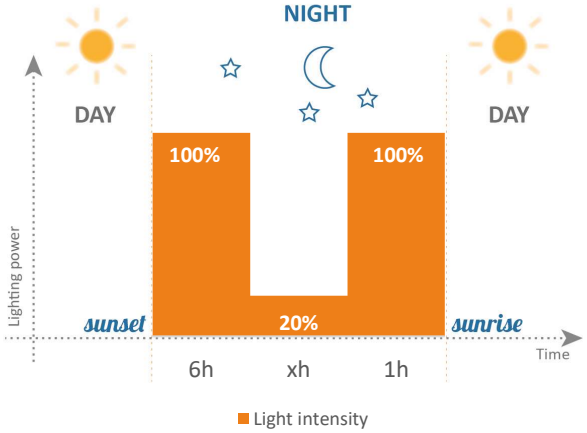
Non pro-rated

Project-Specific System Specifications

PHOTOVOLTAIC MODULE (30 years SERVICE LIFE)	
PV panel power rating	1x310 Wp
PV panel tilt angle	45°
POWER 365: SMART STORAGE AND MANAGEMENT (10 years SERVICE LIFE)	
Battery capacity (Must be NiMH)	1x1248 Wh
LED LIGHT UNIT (20 years SERVICE LIFE)	
Lighting power	2x30 W nominal
LED light unit specification	4000K - 180 Lm/w
POLE & CROSSPIECE	
Pole Height / Arm Length	20’ / 4’
Base Type	Existing anchor base
Protective treatment	Powder Coated

POWER 365

Chosen lighting profile for your project



Photometric survey results

Zone	Average lighting level (Fc)	Avg/Min Uniformity	Quantity T4 Single	Qty T4 Twin	Total quantity
Parking	0.75	3.75	2		2
Pickleball court (End/Middle)	0.90/1.46	2.25/2.43		3	3
TOTAL			2	3	5

Design Target: Poles placed at the existing locations.

Eco-friendly lighting

Choose Fonroche — and we will reduce your environmental footprint.

A standard streetlight consumes in average 80 W during 4200 h per year which represents 0.08x4200 x number of solar streetlight = X kWh of energy saving.

Once installed, solar lighting reduces

CO_2 emissions by **1kWh = 0.99 lbs** CO_2

compared to a grid-connected installation. (https://www.eia.gov/)

Recycling our components

Long product service life and component recyclability are key aspects of Fonroche Lighting's environmental commitments. Our solar streetlights are over 90% recyclable.

Unlike lead-acid batteries, **NiMH batteries** do not contain any toxic chemicals. They are 98% recyclable — the nickel is extracted and used to make various materials, mostly stainless steel.

The **solar panels** have an extremely long service life. Even after 25 years, they will still be producing at least 80% of their initial peak power. So they can continue to be used. Alternatively, about 96% of their component materials can be recycled to make new panels.

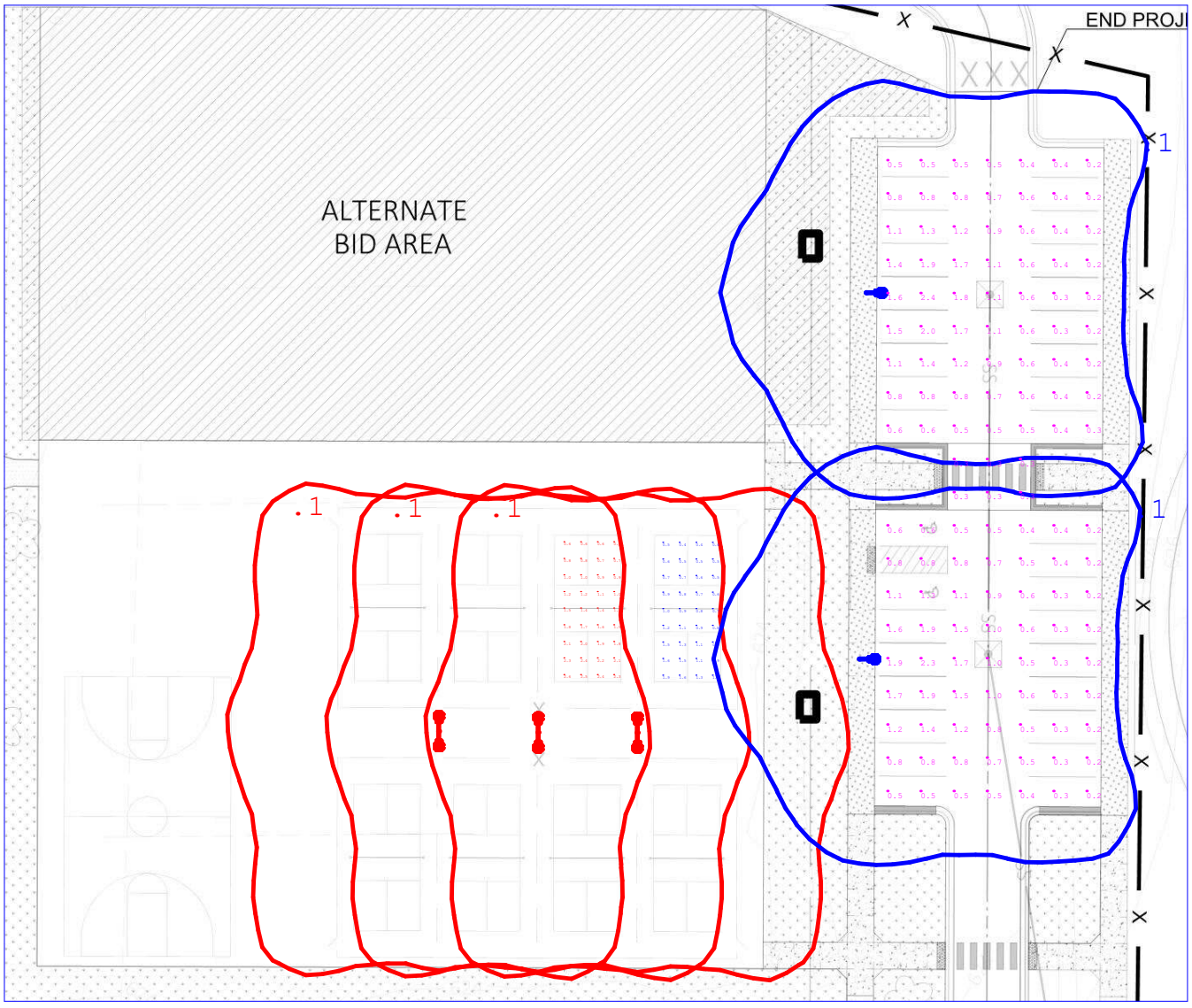
PHOTOMETRIC STUDY

**Note: these results are only valid if the Smartlight PV panel is at an azimuth angle of zero degrees and is completely free of shadow.*

***These results are subject to change due to technological or regulatory advances. This technical report is valid for 60 days from the date you receive it.*

Fonroche Lighting America Design Office

Lighting for Crawford Park Expansion Project		
Lighting Plan Rev A Project Number: G8736	By: Cuong Vu cuong.vu@fonroche.us Date:4/30/2025	FONROCHE lighting AMERICA 2224 SE Loop 820 Building C Fort Worth TX 76140 Phone Number: (339) 225 4530 www.fonrochesolarlighting.com



Luminaire Schedule					
Symbol	Label	Arrangement	Total Lamp Lumens	LLF	Qty
	T4-CK16B-4K-45W-20'CBP-3'Base	Single	8100	0.900	2
	T4-CK16B-4K-Twin-25W-20'CBP-3'base	BACK-BACK	4500	0.900	3

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking	Illuminance	Fc	0.75	2.4	0.2	3.75	12.00
Pickleball court- End	Illuminance	Fc	0.90	1.9	0.4	2.25	4.75
Pickleball court- Middle	Illuminance	Fc	1.46	2.6	0.6	2.43	4.33

Lighting for Crawford Park Expansion Project		
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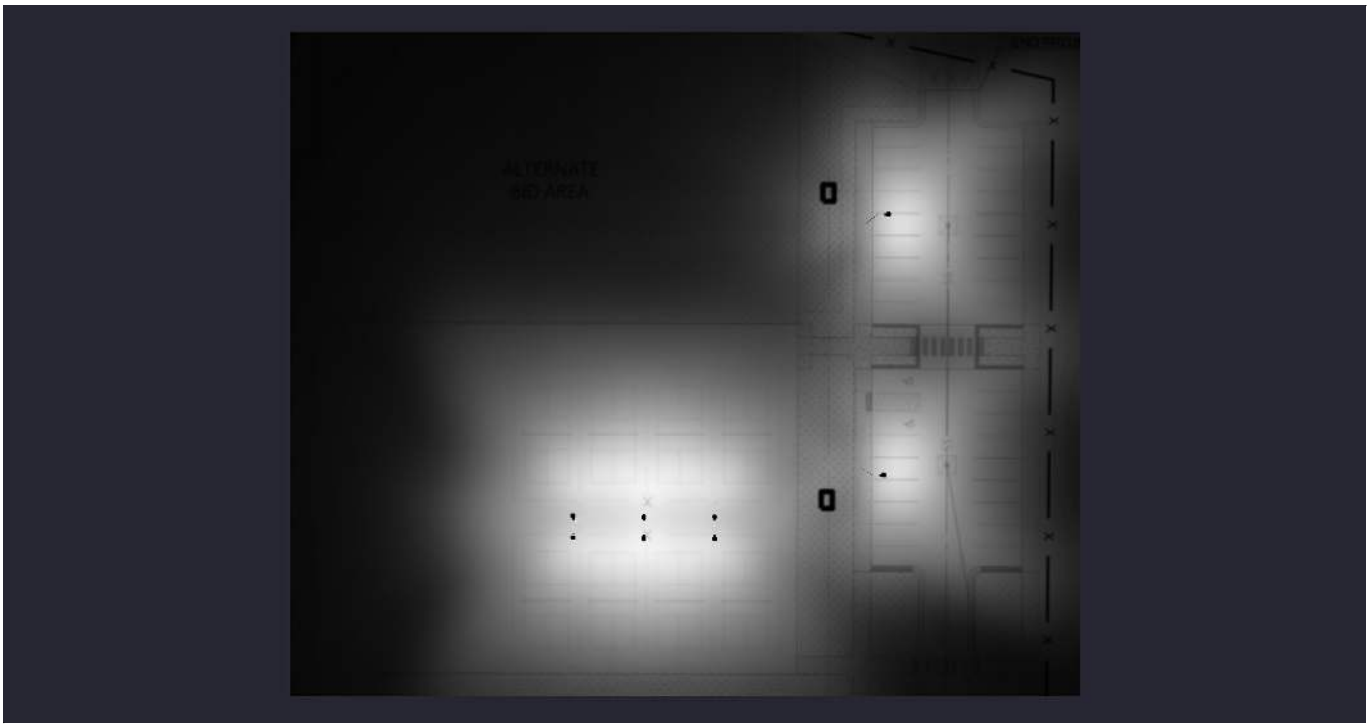

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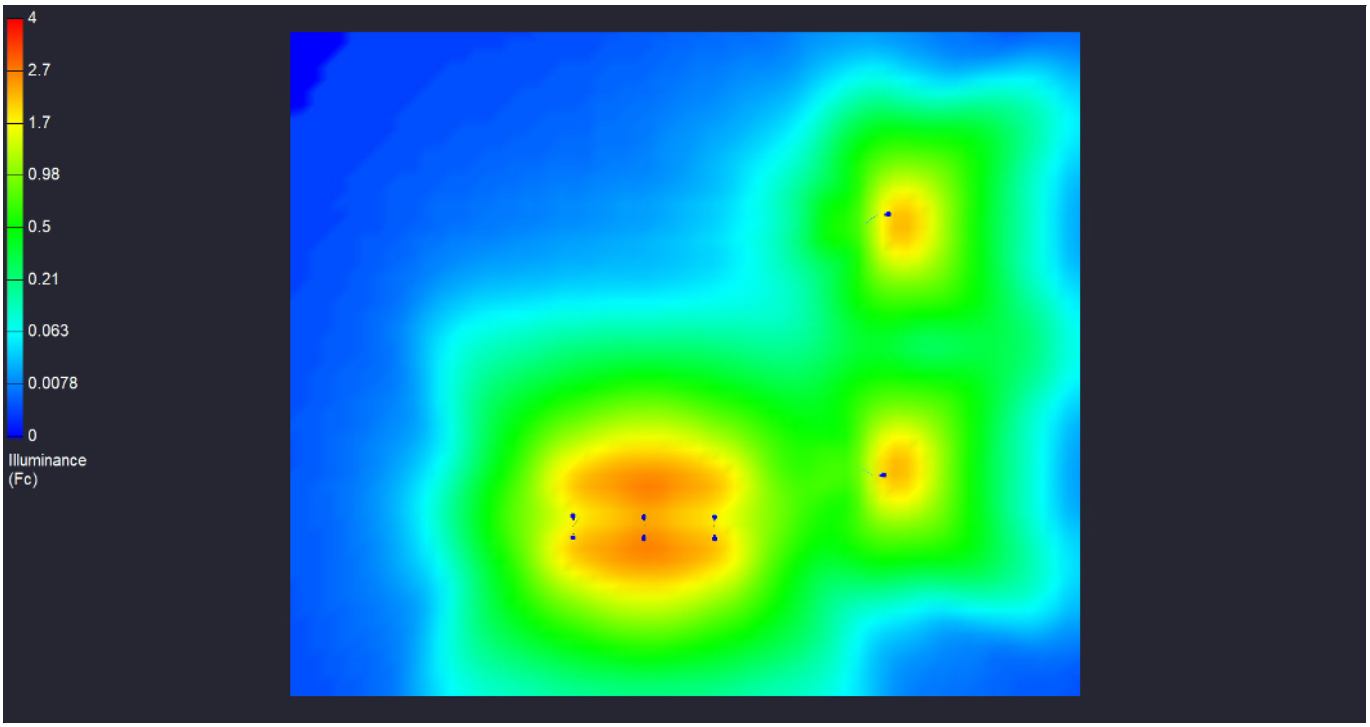


A few examples

FONROCHE lighting AMERICA

March Lane - Stockton, CA

Fort Worth, TX

Brushy Creek - Cedar Park TX

Marana, AZ

Solar lighting

Your commitment to sustainability

Contact us

Anicet Mabonzo
Regional Sales Manager
P: (339) 225-4530 x210
E: a.mabonzo@fonroche.us

FIND OUT MORE AT

www.FonrocheSolarLighting.com

FONROCHE LIGHTING AMERICA | 2224 SE Loop 820 Building C
Fort Worth TX 76140
Telephone : 339-225-4530

Fonroche Lighting America
2224 SE Loop Building C
Fort Worth, TX 76140
339-225-4530

Opportunity Owner	Anicet Mabonzo	Quote Number	00085525
Payment Terms	50% deposit, 50% Net 30 from Ship Date-contingent on credit approval	Quote Name	G8736-Caledonia WI-Lighting for Crawford Park Expansion Projects-RevA
Shipping Terms	Prices are FOB Origin	Quote Date	4/30/2025
Notes to the customer	Fonroche Lighting America is only responsible for the structural integrity of the solar equipment provided. While we will work to support and provide calculations, Fonroche cannot be held responsible for the integrity of the existing foundations.	Quote Expiration Date	7/30/2025
		Est. Lead Time	Within 6 Weeks
		Ship To Name	Village of Caledonia WI
		Ship To	United States

Shipping estimated; final cost determined on day of shipping and added to invoice.

Beware of Fraud: Any advance payment request will only be made on the basis of a proforma invoice sent by Fonroche Lighting America.

Fonroche Model Number	Fonroche Product Description	Price System	Quantity	Amount
2[T54-CK16B-4K-T4] [P310F-4P]HW-MC Fixture Color: BK POLE: 20Ft. Round Tapered Pole-Anchor Base CBP-2-4FT Arm --Pole Color: BK	SmartLight Assembly with 1248Wh-24V NiMH Battery , special extreme temperature (from -40 °F to +158 °F), 310W solar module with Top of Pole assembly and Intelligent management/control system. Provisioned for Twin Fixture. Twin Essential (Formerly CK16B) Fixture 4K Color Temp.-Type 4 Fixture Color: BK - . Power Assembly color is black. Mount: High wind and enhanced marine coating. 20Ft. Round Tapered Pole-Anchor Base CBP-2-4FT Arm --Pole Color is BK 8 Year Warranty All Night Lighting 365 Days a Year - Full Battery Replacement Assumes No Shading | Tilt optimized for snow conditions 45 Degrees Tilt 100% =25 Watts worst case conditions.T-PM: 6 hrs. @100% | T-N (Balance of night) @20% | T-AM: 1 hrs. @100%	USD 5,671.00	3.00	USD 17,013.00
[T54-CK16B-4K-T4] [P310F-3P]HW-MC Fixture Color: BK POLE: 20Ft. Round Tapered Pole-Anchor Base CBP-1-4FT Arm --Pole Color: BK	SmartLight Assembly with 936Wh-24V NiMH Battery , special extreme temperature (from -40 °F to +158 °F), 310W solar module with Top of Pole assembly and Intelligent management/control system. Provisioned for Single Fixture configuration. Single Essential (Formerly CK16B) Fixture 4K Color Temp.-Type 4 Fixture Color: BK - . Power Assembly color is black. Mount: High wind and enhanced marine coating. 20Ft. Round Tapered Pole-Anchor Base CBP-1-4FT Arm --Pole Color is BK 8 Year Warranty All Night Lighting 365 Days a Year - Full Battery Replacement Assumes No Shading | Tilt optimized for snow conditions 45 Degrees Tilt 100% =45 Watts worst case conditions.T-PM: 6 hrs. @100% | T-N (Balance of night) @20% | T-AM: 1 hrs. @100%	USD 4,872.00	2.00	USD 9,744.00
PLRE2-4K	Solar Powered LED stud. 4lm-4000K Color Temperature	USD 388.00	15.00	USD 5,820.00

Fonroche Lighting America
2224 SE Loop Building C
Fort Worth, TX 76140
339-225-4530

Total Line Items	USD 32,577.00
Shipping and Handling	USD 3,353.00
Quote Total	USD 35,930.00

This quotation is subject to the following terms and conditions

Seller's Terms and Conditions of Sale in effect on the date of this order shall apply to this quote and are hereby incorporated by reference. Seller's Terms and Conditions of Sale may be viewed at https://www.fonrochesolarlighting.com/about-us/terms/.

Pricing is based on Fonroche Lighting America's Standard Terms & Conditions and any additional terms stipulated herein. It is the Representative's responsibility to convey these terms to the customer. Without prior written approval from Fonroche Lighting America's Sales Director, any deviation from these terms may constitute a change in this pricing at the time of order. In the event that Fonroche Lighting America is unable recuperate difference in pricing from end customer, it may deduct the difference from representative's commission.

MEMORANDUM

Date: April 24, 2025

To: Parks & Recreation Advisory Committee
Committee of the Whole

From: Ryan Schmidt, P.E.
Village Engineer

Re: **Analysis of Gorney Park for Dog Park – Northern Enclosure**

BACKGROUND INFORMATION

Gorney Park has been the location of consideration for a Dog Park by the Village Parks & Recreation Advisory Committee and members of the Village Board for a few years. The initial proposal came back in 2021and ultimately, a recommendation to the Board was made in February of 2023 utilizing the grass space off 7 Mile Road. The motion failed at the Board level and had since been a dormant concept. In March of 2025, the Parks & Recreation committee directed Staff to look at the northern enclosure of Gorney Park where an old Police Shooting Range and municipal records building is located for a potential Dog Park instead.

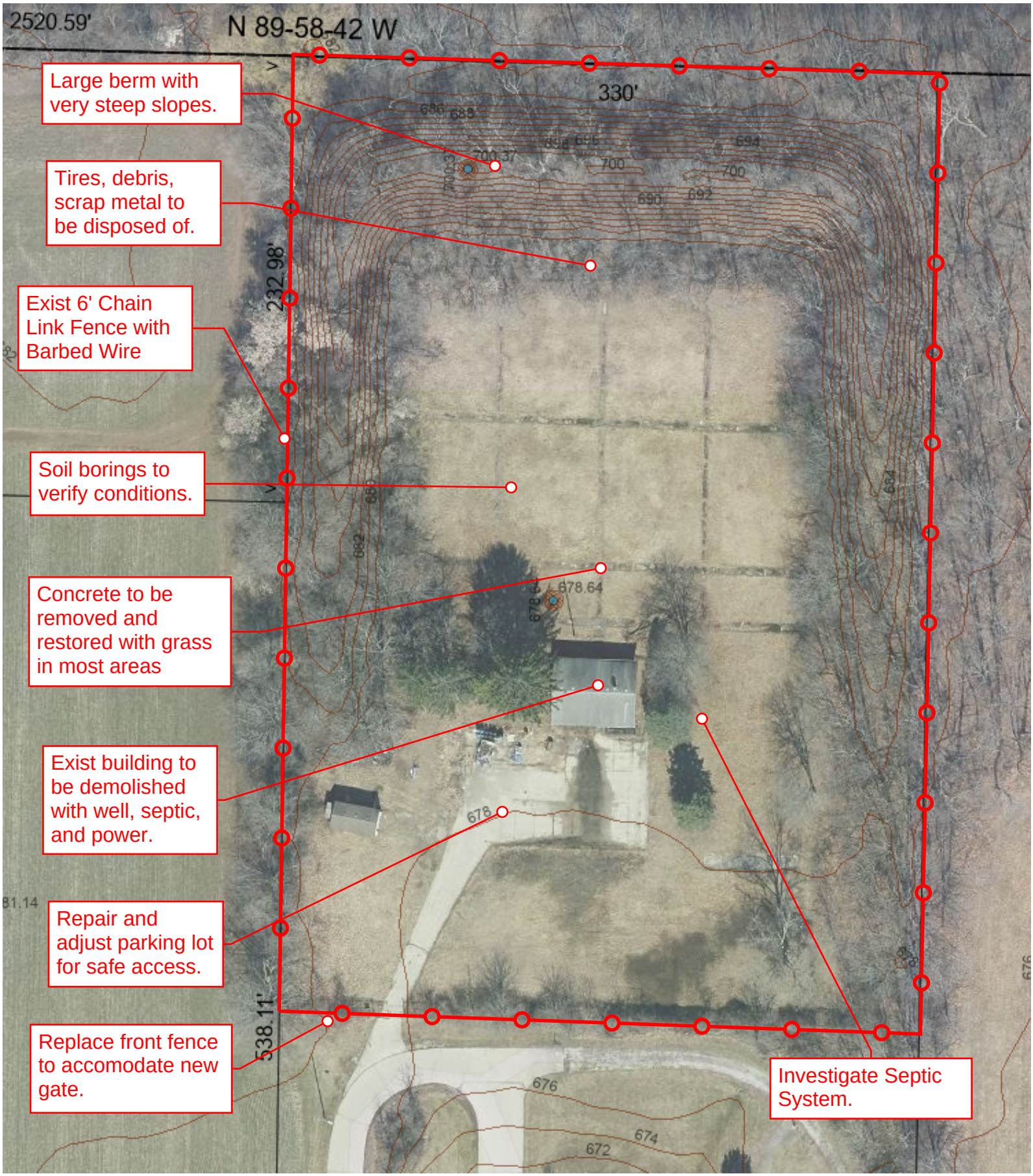
I have included an exhibit representing an overhead view of the property and my findings from a site visit in mid-April. I have also attached some images to this memo to represent the existing conditions. Generally, the site is enclosed with a 6' barbed wire fence in need of minor repair and contains approximately 3.8 acres of space. Of the 3.8 acres, a little over 2 acres of that is usable due to the severe slopes and topography of the site. The existing fence is located on the downslope side of the large berms that are littered with old tires and other refuse that would ultimately need to be cleaned up. While animals may be able to traverse the slopes if given access, it is very difficult for the average person to navigate them due to the steepness and natural coverage. Adding fencing to the site to restrict access to the slopes would significantly lower the cost-benefit of re-using the existing enclosure but may be the best option for the space. These slopes exceed the standard Village policy of maintaining 4:1 wherever possible.

In addition to the Village's desire to demolish this building, it is recommended that soil borings be taken throughout the site to determine if any hazards exist due to the previous use of the site. The access should also be relocated to create a "4-way" intersection with the existing parking lot if it were to remain in use. This involves removing the old gate and replacing the front fence for visibility. Existing concrete "runways" from the old shooting range are recommended to be removed and restored in conjunction with the building demolition.

The private on-site waste disposal system is unknown. There does not appear to be a mound but there is a line that leads into a privy or holding tank of sorts which would need to be investigated. Upon determination of the condition and type of system – it is recommended that it be improved for re-use on site for the future development or abandoned in place if determined to be too costly to repair. A well was found west of the building and appears to be in reasonable working condition, except for its cover missing.

An additional piece of information that is relevant to this discussion is that the DPW Yard Waste site is on leased land in its current location. Should this lease be terminated, the Village would need a new location for material stockpiling and the continued operation of its free yard waste management. This site used to be at the lower Gorney Area where the initial Dog Park motion failed but this site would also provide a suitable location for future public works operations.

Ultimately, with the information presented, there are a lot of costs that still need to be invested into this property to utilize it as a Dog Park. Those costs, while not fully researched, may approach or exceed $100,000 inclusive of the demolition of the building. While there is some upside to this location, **it is Staff's recommendation at this time <u>not</u> to pursue the use of a Dog Park in this location.**



GORNEY PARK - OLD SHOOTING RANGE

FIELD VISIT SITE MAP

VILLAGE OF CALEDONIA

MEMORANDUM

Date: May 6, 2025

To: Parks & Recreation Advisory Committee

From: Ryan Schmidt, P.E.
Village Engineer

Re: **Disc Golf – Gorney Park**

BACKGROUND INFORMATION

The Parks Committee has discussed the concept of utilizing lower Gorney Park off of 7 Mile Road for a variety of items. It was initially approved and used for soccer since the yard waste site was removed back in the late 1990's. Soccer was rarely played in this location and the previous proposal of a dog park did not pass.

The newly approved Park and Open Space Plan 2050 the Committee worked on includes the development of a disc golf course at Gorney Park in the proposed 2031-2050 Facility Developments and Improvements. In addition, the 2025-2030 improvements include a combination of improving the turf in this location and adding prairie plantings. The discussion further arose during the April 2025 Parks Meeting and it was determined that further research should be done before committing to anything in this location. The remainder of this memorandum is a compilation of the information to date regarding the concept of a disc golf course in this area.

PROJECT DESCRIPTION & DETAILS

Disc golf is a recreational activity that offers a high benefit-to-cost ratio because it has low capital and maintenance costs compared to most other amenities and features of public parks. Disc Golf is played very much like traditional golf but instead of hitting a ball, the player throws a frisbee disc into a metal basket. The scoring is similar as well where the player is attempting to complete each hole in as few shots as possible. This is a sport that anyone can play and is quite easy to understand.

Attached to this memorandum is an exhibit with a concept disc golf course design utilizing the two areas of Gorney Park off 7 Mile Road. Staff looked at the Professional Disc Golfers Association for guidance on course design and typical rules/regulations for utilizing the space. The biggest goal to discuss, and ultimately what drove the concept design, was the level of player challenge the Village would like to have. Staff believes the goal should be to have a very beginner level course for kids and adults alike. The terrain is very flat and open which plays into that level of difficulty at the very start.

Holes are measured like golf with Par 3, 4, and 5. Minimum distances for those at the beginner level or "green" level are 100+, 325+, and 475+, respectively. The course provided

includes all Par 3 holes with the exception of 2 holes, to include a Par 4 and Par 5. This was done to utilize the length of the space and provide some inclusivity of more experienced players.

The holes would be the existing grass with a mowed turf surface roughly 20' in width. The Village already mows and maintains this space and the width is open for variation based on future prairie plantings. The remaining portion would include a combination of berms made from fill material that our Public Works crews can place on-site as well as the grant driven prairie plantings with Root-Pike-Win. Areas can also utilize with the existing mulch from our Public Works Department for "greens" or "bunkers" as desired. Trees can be planted on a donation basis or slowly over time as budget allows to create buffers and an aesthetically pleasing landscape.

Tee pads would be made from concrete at the minimum 4'x10' requirement at all locations based on a donation process. Tees can be made from gravel or earthen material at the onset of the development of a course to ensure its location is accurate and usable for the long-term. Targets would be purchased utilizing Park Fees or general park budget. These can be purchased in portable units or ground anchored versions for less than $500 each. Course development and signage is intended to be achieved through local sponsorships as well. Our Parks Supervisor has already discussed this concept with local vendors and businesses about the cost to donate for the minimum signage and concrete. If donations are acquired – that hole would include their logo on the sign.

All design work and efforts are expected to remain in-house to avoid any additional costs. Currently, no specific motion is required. Staff recommends the committee discuss the options further and only make a motion to approve and direct staff if they have intentions to proceed.

Concept Disc Golf Course
Gorney Park

VILLAGE OF CALEDONIA