AGENDA
PUBLIC WORKS COMMITTEE
REGULAR MEETING
THURSDAY, NOVEMBER 21, 2024 – 8:00 AM
HIGHWAY DEPARTMENT - MEETING ROOM
410 SOUTH SPRING STREET, PORT WASHINGTON, WI 53074

The public can access the meeting by viewing the live stream at the link which will be opened five minutes before the call to order:

Public Works Committee Live Stream

The public can submit comments here: Public Comment Form
Public Comment Policy & Instructions For Submitting Public Comments Online

1. **CALL TO ORDER**
2. **PROPER NOTICE**
3. **PUBLIC COMMENTS/CORRESPONDENCE/COMMUNICATIONS**
4. **APPROVAL OF MINUTES**
   a. October 17, 2024
5. **PUBLIC HEARING**
   85.21 Specialized Transportation Assistance Grant
6. **TRANSIT SERVICES**
   a. Action Items:
      1. 2025 Application for 85.21 Specialized Transportation Assistance Program for Counties
7. **FACILITIES MANAGEMENT**
   a. Action Items:
      1. Award of Solar PV Systems - Administration Center, Highway Department and Justice Center
   b. Management/Financial/Informational Reports
      1. Facilities Financials - Nov 2024
8. **TRANSIT SERVICES (cont.)**
   a. Action Items:
      1. Agency Fare Increase
      2. Shared Ride Taxi Contract Extension
   b. Discussion Items:
      1. Transit Ridership - Nov 2024
   c. Management/Financial/Informational Reports
      1. Transit Financials - Nov 2024
9. **HIGHWAYS**
   a. Action Items:
      1. Ordinance: Amending Section 3.07 (1) of the Ozaukee County Code of Ordinances Pertaining to the All-Terrain Vehicle Code
      2. Southeast Wisconsin Regional Planning Commission's 2025 County Surveyor's Services Agreement

b. Discussion Item:

1. CTH E & Jay Road Intersection
2. City of Mequon's CTH W Streetscape Proposal

c. Management/Financial/Informational Reports

1. Highway Financials - Nov 2024

10. NEXT MEETING DATE

December 19, 2024

11. ADJOURNMENT

A quorum of members of committees or the full County Board of Ozaukee County may be in attendance at this meeting for purposes related to committee or board duties, however, no formal action will be taken by these committees or the board at this meeting.

Persons with disabilities requiring accommodations for attendance at this meeting should contact the County Clerk's Office at 262-284-8110, twenty-four (24) hours in advance of the meeting.

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **County Clerk**
DIRECTOR: **Karen Niemuth**
PREPARER: **Lisa Henning**

Agenda Summary October 17, 2024

https://www.ozaukeecounty.gov/AgendaCenter/ViewFile/Minutes/_10172024-3484

PUBLIC WORKS COMMITTEE

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Transit**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary PUBLIC HEARING: 2025 Application for 85.21 Specialized Transportation Assistance Program for Counties

ATTACHMENTS:

- OCTS - 85.21 Public Notice - 8.5x11 (PDF)

PUBLIC WORKS COMMITTEE

Notice of Public Hearing Specialized Transportation Grant (85.21)

The Specialized Transportation Assistance Grant application for 2025 is scheduled for a public hearing by the Ozaukee County Public Works Committee on Thursday, November 21, 2024 at 8:00 AM at the Ozaukee County Highway Office, 410 South Spring Street, Port Washington, Wisconsin 53074 for the purpose of receiving comment for Ozaukee County's proposed application for approximately $251,569 of funding authorized under Section 85.21 of the Wisconsin Statutes to implement its elderly and disabled transportation program:

Shared-Ride Taxi Service • Veterans Out-of-County Service
Aging Service Voucher Program

At the hearing Ozaukee County Public Works Committee will afford an opportunity for interested persons or agencies to be heard with respect to the social, economic, and environmental aspects of the project. Interested persons may submit orally or in writing evidence and recommendations with respect to said project. Transportation may be provided to the meeting for elderly and disabled persons by calling (262) 284-8294. Additionally, written comments will be considered if sent to Ozaukee County Transit Services, PO Box 994, 741 West Oakland Avenue, Port Washington, Wisconsin by November 20, 2024.

A copy of the application for a State grant for the proposed project is currently available for public inspection at Ozaukee County Transit Services, 741 West Oakland Avenue, Port Washington, Wisconsin 53074.

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Transit**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary 2025 Application for 85.21 Specialized Transportation Assistance Program for Counties

BACKGROUND INFORMATION: Wisconsin Department of Transportation offers funding assistance for elderly and disabled transit programs through the Wisconsin State Statute 85.21 Specialized Transportation Assistance Program for Counties. The 2025 proposed allocation for Ozaukee County is $251,569 and is based on the population of disabled and elderly residents in the county.

Based upon past practice, we're planning to distribute funds across three programs: Shared-Ride Taxi operations ($239,369), Transportation for Veterans Out of County ($5,000), and ADRC Voucher Program ($7,200). (Application attached.)

ANALYSIS: The local match for the 85.21 projects is $50,314 and is included in the 2025 budget County Levy allocation for the Shared Ride Taxi program.

FISCAL IMPACT: Balance Current Year: Next Year's Estimated Cost: $50,314

FUNDING SOURCE: County Levy: $50,314 Non-County Levy: --

Indicate source: --

RECOMMENDED MOTION: Approve the 2025 application for annual 85.21 Specialized Transportation Assistance grant.

ATTACHMENTS:

- WisDOT - 2025 85.21 App - Oz Cty (PDF)

PUBLIC WORKS COMMITTEE

DEPARTMENT OF ADMINISTRATION
COUNTY ADMINISTRATOR'S OFFICE
Jason G. Dzwinel, County Administrator

October 29, 2024

85.21 Program Manager
Bureau of Transit and Local Roads, Railroads and Harbors
Wisconsin Department of Transportation
P.O. Box 7913
Madison, WI 53707-7913

Dear 85.21 Program Manager:

Ozaukee County hereby submits its application for $251,569 in state assistance under section 85.21 of Wisconsin Statutes to provide specialized transportation services for seniors and individuals with disabilities in 2025. The County assures that a minimum of $50,314 in local funds has been included in its adopted 2025 budget and will be available as the share required to match the 85.21 grant.

I certify that the information contained in this application is accurate.
Sincerely,

Jason Dzwinel
County Administrator

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

121 W. Main Street, P. O. Box 994, Port Washington, WI 53074
Phone: (262) 284-8198 Metro: (262) 238-8198 Fax: (262) 284-8199 Metro Fax: (262) 238-8199
www.co.ozaukee.wi.us

PUBLIC NOTICE AND HEARING FORMS

Be sure to complete the following components:

1. Publication Notice (Page 1)
    a. Date of publication.
    b. Copy of publication in the paper.
2. If a local newspaper is not a viable option, reasonable digital alternatives are acceptable. Check with WisDOT Program Managers.
3. Public Hearing (Page 2)
    a. Date of public hearing.
    b. Provide a summary of comments made before, during, and after the public hearing as they relate to the application. This includes all forms of comments. If none, type **None.**
    c. Notice of the hearing must be published at least 10 days prior to the hearing.
    d. Public hearing must be held at least 14 days prior to application submittal.
4. Attach **a copy of the meeting minutes** during which the approval for the application was granted.

Date of notice publication:	November 5, 7 & 12 ~ 2024

Notice of Public Hearing Specialized Transportation Grant (85.21)

The Specialized Transportation Assistance Grant application for 2025 is scheduled for a public hearing by the Ozaukee County Public Works Committee on Thursday, November 21, 2024 at 8:00 AM at the Ozaukee County Highway Office, 410 South Spring Street, Port Washington, Wisconsin 53074 for the purpose of receiving comment for Ozaukee County's proposed application for approximately $251,569 of funding authorized under Section 85.21 of the Wisconsin Statutes to implement its elderly and disabled transportation program:

- Shared-Ride Taxi Service
- Veterans Out-of-County Service
- Aging Service Voucher Program

At the hearing Ozaukee County Public Works Committee will afford an opportunity for interested persons or agencies to be heard with respect to the social, economic, and environmental aspects of the project. Interested persons may submit orally or in writing evidence and recommendations with respect to said project. Transportation may be provided to the meeting for elderly and disabled persons by calling (262) 284-8294. Additionally, written comments will be considered if sent to Ozaukee County Transit Services, PO Box 994, 741 West Oakland Avenue, Port Washington, Wisconsin by November 20, 2024.

A copy of the application for a State grant for the proposed project is currently available for public inspection at Ozaukee County Transit Services, 741 West Oakland Avenue, Port Washington, Wisconsin 53074.

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

2025 APPLICANT INFORMATION FORM

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For additional information on this Application Workbook,
please refer to the §85.21 Application Guidelines for CY2025

County of Ozaukee

Primary Contact for this Grant Program

Name	**Kara Ottum**
Telephone Number	**262.284.8108** **Extension**
Email Address	kottum@ozaukeecounty.gov

Application Preparer *(if different than primary contact)*

Name	
Organization	
Telephone Number	**Extension**
Email Address	

Applicant Status

Place your initials in box to the right to certify your eligibility - *You are certifying that the applicant is a county government or an agency of the county department. Private non-profits or Aging Units organized as a non-profit under Wis. Stat. 46.82(1)(a)3 are not eligible to apply for this grant.*

KO

Organization Info

Place your initials in the box certifying all organization information, including contacts and titles, have been updated in the BlackCat Online Grant Management System (GMS) and are true and correct to the best of your knowledge.

KO

Federal Grant Match

Please place an "X" next to any federal grant that will be using §85.21 funds as local match.

5310		5307		5311	
Other *(Please explain)*					

Coordination

Please identify the county's coordinated plan name, goal(s) and page number(s) in which your §85.21 project(s) is/are derived.

Title of Coordinated Plan:	Public Transit Human Services Coordination Plan for Ozaukee County
The goal(s) and/or strategies from which your project is included:	Promoting, enhancing, and facilitating the availability of transportation services, including the integration and coordination of services for people with disabilities, seniors, low-incomeindividuals. Increase the capacity of the human service providers to provide services to their clients.
Page number(s) of the Coordinated plan in which the goals may be referenced:	14

Assessibility *Please indicate whether or not §85.21 state aid will be used for the transportation of persons who cannot walk or persons who walk with assistance during the calendar year.*

YES	X
NO	

(If no, please explain how the Americans with Disabilities Act (ADA) requirements for equivalency of service between ambulatory and non-ambulatory passengers will be met.)

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

VEHICLE INVENTORY

County: **Ozaukee**

Instructions: Please provide your **entire** specialized transit vehicle inventory.
(Include all vehicles used to transport seniors or individuals with disabilities.)

Vehicle Type *(Minivan, Medium Bus, etc.)*	Full VIN Number	Model Year	Current Mileage	No. of Ambulatory / Wheelchair Positions *(Ambulatory/Non-Ambulatory)*	Funding Source (mark with X)				Place "X" in box to indicate if vehicle is leased to another party.
					5310	85.21	Trust	Other	
sedan-hybrid	JTDKBRFU4G3509678	2016	290,396	4AMB				X	
ADA Minibus	1FDEE3FS0HDC68418	2017	156,327	8AM/6AMB-2WC				X	
sedan-hybrid	JTDKBRFU8H3054299	2017	165,886	4AMB				X	
sedan-hybrid	JTDKBRFU2H3056176	2017	257,651	4AMB				X	
ADA Minibus	1FDEE3FSXHDC77501	2017	245,141	4A/2WC				X	
ADA Minibus	1FDEE3FS1HDC77502	2017	246,274	4A/2WC				X	
ADA Minibus	1FDEE3FSXJDC06367	2018	238,659	4A/2WC				X	
ADA Minibus	1FDEE3FS3JDC06369	2018	256,260	4A/2WC				X	
ADA Minibus	1FDEE3FS6KDC04651	2018	207,045	8AM/6AMB-2WC				X	
ADA Minibus	1FDEE3FS8KDC04652	2018	232,954	8AM/6AMB-2WC				X	
Bariatric Van	1FDZX2CM5KKB48371	2019	259,391	6AM/2AMB-2WC				X	
ADA Minibus	1FDEE3FG6KDC49396	2019	247,406	8AM/6AMB-2WC				X	
Minivan	2C4RDGBG3LR197111	2019	165,996	6AMB				X	
Minivan	2C4RDGBG5LR197112	2019	132,109	6AMB				X	
sedan-hybrid	1FMCU0BZ8MUA13666	2021	132,208	3AMB				X	
sedan-hybrid	1FMCU0BZ9MUA15054	2021	152,173	3AMB				X	
sedan-hybrid	1FMCU0BZ4MUA78014	2021	127,744	3AMB				X	
sedan-hybrid	1FMCU0BZ8MUA78176	2021	124,823	3AMB				X	
Minivan	2C4RC1CGXMR580186	2021	138,148	6AMB				X	
ADA Minivan	2C4RC1DG1MR602137	2021	113,008	3/2WC				X	
ADA Minivan	2C4RC1DG7MR601915	2021	89,456	3/2WC				X	
ADA Minibus	1FDEE3FN6PDD09790	2022	44,310	8AM/6AMB-2WC				X	
ADA Minivan	2C4RC1CG0PR597924	2023	45,665	3/2WC				X	
ADA Minivan	2C4RC1CG5PR597949	2023	42,535	3/2WC				X	
Bariatric Van	1FDAX2C83RKA31060	2024	24,756	6AM/2AMB-2WC				X	
Bariatric Van	1FDAX2C89RKA30673	2024	19,868	6AM/2AMB-2WC				X	
Bariatric Van	1FDAX2C8XRKA31279	2024	12,751	6AM/2AMB-2WC				X	

If you have more vehicles than can fit onto one sheet, please add another copy of this sheet.
Right click on the tab, select **Move or Copy, select **Vehicle Inventory**, check the box to **Create a copy**, click **OK**.*

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

THIRD PARTY PROVIDERS

County of **Ozaukee**

Instructions: Please complete the table below for any existing or anticipated third party contracts for your specialized transportation services. Upload a copy of the lease or contract to a folder in the **Resources** tab.
*(If there are no projects or vehicles that are contracted or leased out, please put **None** in the first gray box.)*

Project Name	Anticipated or Known Contractor Name	Type of Agreement *(Lease or Contract)*	Start Date *(MM/DD/YY)*	Expiration Date *(MM/DD/YY)*	Last Bid Date	Contract Price	If over $10k, was a competitive solicitation completed?	Year of Contract (1 to 5)
Shared Ride Taxi Service	**GO RITEWAY**	**Contract**	**1/1/23**	**12/31/27**		**32.90**	**YES**	**2/1/1/1**

If you have more vehicles than can fit onto one sheet, please add a copy of this sheet.
Right click on tab, select **Move or Copy, select **Vehicle Inventory**, check the box to **Create a copy**, click **OK**.*

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

TRUST FUND SPENDING PLAN

County of **Ozaukee**

Instructions: Please record your plan on how your county will spend down their trust fund over the next three years. Be as specific as possible. Do NOT include 2024 purchases made with trust funds. Please contact WisDOT Progam Manager(s) for pre-approval prior to spending trust expenditure.

Expenditure Item *If non-vehicle capital purchase, please provide description on second page below.*	Planned year of purchase *(YYYY)*	Amt of Trust Used for Project
Blossom IDD ~ Portion of Special Needs Transport Vehicle	**2025**	**$40,000.00**
Local Share of Replacement Vehicle Purchases	**2025**	**$84,664.66**
Total projected cost of 3-year plan		**$ 124,664.66**

Estimated amount of state aid to be held in trust on 12/31/2024	

Will auto calculate based on year entered above		*Enter the amount of funds to be added for the next three years. If none, enter 0.*			
Spending plan for 2025 =	*$ 124,664.66*	*Funds added for 2025 =*		*Estimated balance on 12/31/25 =*	*$ (124,664.66)*
Spending plan for 2026 =	*$ -*	*Funds added for 2026 =*		*Estimated balance on 12/31/26 =*	*$ (124,664.66)*
Spending plan for 2027 =	*$ -*	*Funds added for 2027 =*		*Estimated balance on 12/31/27 =*	*$ (124,664.66)*

Date complete

Prepared by

Narrative for non-vehicle equipment purchases. **Please explain why you are requesting WisDOT approval for an exception. If already received WisDOT approval, please list date approval received. (Hint: Use ALT and Enter to start a new paragraph.)*

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

For additional space to complete your narrative, please scroll down to second page.

TRUST FUND SPENDING PLAN

Continued

County of **Ozaukee**

Narrative for non-vehicle equipment purchases continued.

(Hint: Use "ALT" and "Enter" to start a new paragraph.)

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT 1 DESCRIPTION

County of **Ozaukee**

Instructions

- Use this section to describe a specific project that will use s.85.21 funds.
- Hint: Alt and Enter will go to the next line.
- Be sure to complete all three pages for each project.

Project Name	**Shared Ride Taxi Service**
Third Party Provider	Go Riteway
Date contract last updated	1/1/2023

Type of Service *(Place an "x" next to the type of service you will be providing for this project.)*

Volunteer Driver		Voucher Program	
Vehicle Purchase		Management Study	
Planning Study		*Brief description of Study*	
Other *(provide explanation)*	**Shared Ride Taxi with Specialized Transportation**		

General Project Summary *(Provide a brief description of this project. Use ALT and Enter to start a new paragraph.)*

Ozaukee County Transit Services Shared-Ride Taxi Service operates twenty-seven vehicles, which includes: twelve wheelchair-accessible mini-buses, six wheelchair-accessible mini-vans, seven sedans, and two mini-vans. $239,369 in 85.21 funds will go towards the Shared-Ride Taxi Service in 2024. Our Shared-Ride Taxi Service provided approximately 83,919 rides in 2023, of which 76% were elderly and/or disabled. The primary trip purpose for the Shared-Ride Taxi Services is employment at 56% and medical trips at 16%.

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT DESCRIPTION, Continued

Geography of Service

(List the counties, as well as cities/areas that are serviced though this project. Use ALT and Enter to start a new line.)

Ozaukee County Shared Ride Taxi serves all municipalities within Ozaukee County. Connection service to Milwaukee County is provided at three locations along Brown Deer Road: Brown Deer Park and Ride in River Hills, Schroeder Drive in Brown Deer, & Alexian Villiage in Milwaukee. Drop-off service is provided to Washington County through the Washington Ozaukee Transit Connection.

Service Hours *(Indicate your general hours of service for this project.)*

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start Time	8AM	5AM	5AM	5AM	5AM	5AM	8:30AM
End Time	6PM	11:30PM	11:30PM	11:30PM	11:30PM	11:30PM	10PM

Additional description *(if applicable)*

Service Requests *(Briefly describe how your service is requested for this project.)*

Riders request rides by calling dispatch during regular service hours. Riders can also setup subscription ride services as standing orders for ongoing appointments. Advanced reservation is requried to guarentee service. Same day service is accomodated through available times. OCTS also sends out daily notification phone calls, where riders can cancel or accept their rides the next day, and confirm their pick up times.

Passenger Eligibility *(Briefly indicate passenger eligibility requirements for this project.)*

Shared Ride Taxi service is open to the general public. Seniors and individuals with disabililtes will be given priority placement on specialized service vehicles when reservations are made prior to 10 am the day before requested service.

Passenger Revenue *(Briefly describe passenger revenue requirements for this project.)*

Shared-Ride Taxi Service- passenger contributions are required on all trips as determined by the fare schedule. The following fare schedule will be used in 2023 for seniors and disabled passengers;
5.0 miles or less $2.50
5.1-10.0 miles $3.50
10.1 - 15.0 miles $4.25
15.1 - 20.0 miles $5.00
Over 20 miles $5.75
Cross-county surcharge $3.00

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT BUDGET

Section Description	Amount

Annual Expenditures

Enter the amount of **total** expenditures for this project.

Total Expenses $3,039,401.00

Please note: Breakdown of expenses is not required at this time. You will provide the breakdown of actual expenses in the **Annual Financial Report that you will submit at the end of the calendar year.*

Annual Revenue

Enter the amount for **each** funding source that will be used for this project.

**When complete, please scroll to bottom of this page to ensure the Expenditures minus Revenue equals $0.*

A. §85.21 funds from annual allocation	**Total from A.**	$239,369.00
B. §85.21 funds from trust fund	**Total from B.**	$124,664.66
C. County Match Funds	**Total from C.**	$400,000.00
D. Passenger Revenue	**Total from D.**	$500,000.00
E. Older American Act (OAA) funding	**Total from E.**	
F. §5310 Operating or Mobility Management funds	**Total from F.**	
G. Other funds *(Provide name and/or description and record total amount in the box to the right of the description. Include sources such as other grants and/or programs.)*	**Total from G.**	$1,775,367.34

1.	WisDOT 85.20 - Shared Ride Taxi Operations	Total	$1,050,000.00
2.	FTA 5307 Preventative Maintenance	Total	
3.	FTA ARPA	Total	$171,367.34
4.	WISDOT 5311	Total	$300,000.00
5.	FTA 5307	Total	$254,000.00
6.		Total	

Revenue Total $3,039,401.00

Expenditures should equal revenue	$0.00

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT 2 DESCRIPTION

County of **Ozaukee**

Instructions

- Use this section to describe a specific project that will use s.85.21 funds.
- Hint: Alt and Enter will go to the next line.
- Be sure to complete all three pages for each project.

Project Name	**Veterans Out of County Transportation**
Third Party Provider	
Date contract last updated	

Type of Service *(Place an "x" next to the type of service you will be providing for this project.)*

Volunteer Driver		Voucher Program	X
Vehicle Purchase		Management Study	
Planning Study		*Brief description of Study*	
Other *(provide explanation)*			

General Project Summary *(Provide a brief description of this project. Use ALT and Enter to start a new paragraph.)*

Veterans Services Department contracts out rides to Lifestar on a per ride basis. Lifestar utilizes handicap accessible vans operated by paid drivers for wheel chair passengers only.

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT DESCRIPTION, Continued

Geography of Service

(List the counties, as well as cities/areas that are serviced though this project. Use ALT and Enter to start a new line.)

Service is available from all addresses in Ozaukee County to the VA Medical Center in Milwaukee County.

Service Hours *(Indicate your general hours of service for this project.)*

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start Time	745	745	745	745	745	745	745
End Time	1700	1700	1700	1700	1700	1700	1700

Additional description *(if applicable)*

Service Requests *(Briefly describe how your service is requested for this project.)*

Reservations are made at least 24 hours in advance by contacting Veterans Services.

Passenger Eligibility *(Briefly indicate passenger eligibility requirements for this project.)*

Non-ambulatory Veterans

Passenger Revenue *(Briefly describe passenger revenue requirements for this project.)*

$10/ride

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT BUDGET

Section Description	Amount

Annual Expenditures

Enter the amount of **total** expenditures for this project.

Total Expenses $5,000.00

Please note: Breakdown of expenses is not required at this time. You will provide the breakdown of actual expenses in the **Annual Financial Report that you will submit at the end of the calendar year.*

Annual Revenue

Enter the amount for **each** funding source that will be used for this project.

**When complete, please scroll to bottom of this page to ensure the Expenditures minus Revenue equals $0.*

A. §85.21 funds from annual allocation	**Total from A.**	$5,000.00
B. §85.21 funds from trust fund	**Total from B.**	
C. County Match Funds	**Total from C.**	
D. Passenger Revenue	**Total from D.**	
E. Older American Act (OAA) funding	**Total from E.**	
F. §5310 Operating or Mobility Management funds	**Total from F.**	
G. Other funds	**Total from G.**	$0.00

(Provide name and/or description and record total amount in the box to the right of the description. Include sources such as other grants and/or programs.)

1.	Total	
2.	Total	
3.	Total	
4.	Total	
5.	Total	
6.	Total	

Revenue Total $5,000.00

Expenditures should equal revenue	**$0.00**

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT 3 DESCRIPTION

County of **Ozaukee**

Instructions

- Use this section to describe a specific project that will use s.85.21 funds.
- Hint: Alt and Enter will go to the next line.
- Be sure to complete all three pages for each project.

Project Name	**ADRC & Aging Services Voucher Program**
Third Party Provider	Ozaukee County Shared Ride Taxi
Date contract last updated	

Type of Service *(Place an "x" next to the type of service you will be providing for this project.)*

Volunteer Driver		Voucher Program	X
Vehicle Purchase		Management Study	
Planning Study		*Brief description of Study*	
Other *(provide explanation)*	**Transportation to meal sites, medical appointments, social activities & grocery shopping**		

General Project Summary *(Provide a brief description of this project. Use ALT and Enter to start a new paragraph.)*

The ADRC of Ozaukee County will purchases taxi vouchers to distribute to elderly and disabled clients to utilize the Shared-Ride Taxi Service to reach Ozaukee County congregate meal sites, attend medical appointments, attend social activities, and complete grocery shopping to obtain food.

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT DESCRIPTION, Continued

Geography of Service

(List the counties, as well as cities/areas that are serviced though this project. Use ALT and Enter to start a new line.)

Ozaukee County Shared Ride Taxi serves all municipalities within Ozaukee County. Connection service to Milwaukee County is provided at three locations along Brown Deer Road: Brown Deer Park and Ride in River Hills, Schroeder Drive in Brown Deer, & Alexian Villiage in Milwaukee. Drop-off service is provided to Washington County through the Washington Ozaukee Transit Connection.

Service Hours *(Indicate your general hours of service for this project.)*

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start Time	**8AM**	**5AM**	**5AM**	**5AM**	**5AM**	**5AM**	**8:30AM**
End Time	**6PM**	**11:30PM**	**11:30PM**	**11:30PM**	**11:30PM**	**11:30PM**	**10PM**

Additional description *(if applicable)*

Service Requests *(Briefly describe how your service is requested for this project.)*

Adults with disabilities and seniors contact the ADRC, and the ADRC distributes vouchers to eligible callers to use the Shared-Ride Taxi to reach Ozaukee County congregate meal sites, attend medical appointments, attend social activities, or go grocery shopping to obtain food

Passenger Eligibility *(Briefly indicate passenger eligibility requirements for this project.)*

Seniors over age 60 and disabled adults age 18 years or older who need transportation to reach an Ozaukee County congregate meal site, attend medical appointments, attend social activities, or go grocery shopping to obtain food.

Passenger Revenue *(Briefly describe passenger revenue requirements for this project.)*

No passenger revenue collected.

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

PROJECT BUDGET

Section Description	Amount

Annual Expenditures

Enter the amount of **total** expenditures for this project.

Total Expenses $7,200.00

Please note: Breakdown of expenses is not required at this time. You will provide the breakdown of actual expenses in the **Annual Financial Report that you will submit at the end of the calendar year.*

Annual Revenue

Enter the amount for **each** funding source that will be used for this project.

**When complete, please scroll to bottom of this page to ensure the Expenditures minus Revenue equals $0.*

A. §85.21 funds from annual allocation	**Total from A.**	$7,200.00
B. §85.21 funds from trust fund	**Total from B.**	
C. County Match Funds	**Total from C.**	
D. Passenger Revenue	**Total from D.**	
E. Older American Act (OAA) funding	**Total from E.**	
F. §5310 Operating or Mobility Management funds	**Total from F.**	
G. Other funds	**Total from G.**	$0.00

(Provide name and/or description and record total amount in the box to the right of the description. Include sources such as other grants and/or programs.)

1.	Total	
2.	Total	
3.	Total	
4.	Total	
5.	Total	
6.	Total	

Revenue Total $7,200.00

Expenditures should equal revenue	$0

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

COUNTY ELDERLY TRANSPORTATION
2025 PROJECT BUDGET SUMMARY

County of **Ozaukee**

Project Name	Shared Ride Taxi Service	Veterans Out of County Transportation	ADRC & Aging Services Voucher Program	0	0	0	0	0	Totals
Project Expenses									
Total Project Expenses	$3,039,401.00	$5,000.00	$7,200.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$3,051,601.00**
Project Revenue by Funding Source									
§85.21 Annual Allocation	$239,369.00	$5,000.00	$7,200.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$251,569.00**
§85.21 Trust Fund	$124,664.66	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$124,664.66**
County funds	$400,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$400,000.00**
Passenger Revenue	$500,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$500,000.00**
Older American Act (OAA)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**
§5310 grant funds	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**
Total from other funds	$1,775,367.34	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$1,775,367.34**
1.	*$1,050,000.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$1,050,000.00*
2.	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*
3.	*$171,367.34*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$171,367.34*
4.	*$300,000.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$300,000.00*
5.	*$254,000.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$254,000.00*
6.	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*	*$0.00*
Expenses - revenue =	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

Specialized Transportation Assistance Program for Counties (Wis.Stat.85.21)
Annual Application Certification
Calendar Year 2025

CERTIFICATION

I certify that to the best of my knowledge the information presented to the Wisconsin Department of Transportation on these forms relating to the s. 85.21 Specialized Transit Program for the calendar year of 2025 is true and correct.

Ozaukee County	
Kara Ottum Signature (County Authorized Representative)	11/11/2024 Date
Kara Ottum Printed Name	262.284.8108 Phone
Transit Superintendent Title	kottum@ozaukeecounty.gov Email

Attachment: WisDOT - 2025 85.21 App - Oz Cty (2025 85.21 Funding)

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Administrator**
DIRECTOR: **Jason Dzwinel**
PREPARER: **Jason Wittek**

Agenda Summary Award of Solar PV Systems - Administration Center, Highway Department and Justice Center

BACKGROUND INFORMATION: The Ozaukee County Board allocated $400,000 for Solar Electric PV Systems in its Capital Projects fund for 2024. Ozaukee County released a Request for Proposals in October for three Solar Electric PV Systems on the rooftops of the Administration Center, Highway Department, and Justice Center, ranging in size from 98 kW, 70 kW, and 166 kW respectively, producing 397,000 kWh annually. These three systems are estimated to offset 6% of the County's electrical use annually, 23% of the Administration Center, 68% of the Hwy Department Building, and 7% of the Justice Center's annual electrical usage. Saving the County in total, approximately $40,000 annually, with an ROI of approximately 11 years, for the County's costs to the project. Approximately, $211,000 in direct tax credits (Inflation Reduction Act) and Focus on Energy (FOE) incentive funding would reimburse approximately 33% of the project, with approximately 67% coming from the County project fund. FOE incentives reduced substantially from our 2022 analysis, and only make up approximately 2.5% of costs, at $16,759, credited at $50 rebate per kW size system. This reduction in FOE incentives would require an additional $44,000 in County costs, which means the payback would take 11 years, instead of 10 years that was originally anticipated. This additional $44,000 in County funds would require approval of the Executive Committee in December. Over the 25-year warrantied life of the system, the County will accrue $1,000,000 in savings, a gain of $556,000, and an ROI of 125%, an annualized rate of return of 3.3%.

Solar PV System Assessments	Administration	Highway	Justice
Size (dc)	98 kw	70 kw	166 kw
Annual kWh - Offset	124,000 kWh	79,000 kWh	193,000 kWh
% Annual kWh - Offset	23%	68%	7%
Cost ($)	$195,486	$150,642	$301,080
Focus on Energy Incentive ($)	$4,905	$3,543	$8,311
30% Federal Tax Credit	$58,646	$45,193	$90,324
Est. Cost After Incentives	**$131,935**	**$101,906**	**$202,445**
Annual Savings	$12,709	$9,336	$17,254
Payback after Incentives (Years)10.4	**10.9 Years**	**11.7 Years**	

ROI - 25 Years ($)	**$317,725**	**$233,400**	**$431,350**

The RFP was advertised in local newspapers, uploaded to the States Vendornet, and posted on the County's website, as well as sent to a few individual firms.

ANALYSIS: Proposals were evaluated using specific criteria included in the RFP based on the following:

7.0 Selection Criteria

Overall evidence of Contractor's ability to perform the required services = 15

Previous Experience and Qualifications = 20

Organizational Approach & Schedule = 15

System Proposal = 15

Cost Proposal = 30

Schedule = 5

Total Available Points = 100

Ozaukee County received four proposals for the three Solar Electric PV Systems from the following firms:

Arch Solar C & I, Inc, Plymouth, WI - Score 95

Current Electric, Wauwatosa, WI - Score 80

Ikio Led Lighting, Batesville, IN - Score 80

Staff Electric, Butler, WI - Score 70

All submitted the required 5% Bid Bond.

The Evaluation Committee selected Arch Electric by consensus as the top scoring proposal. Arch Electric's proposal pulled away from the other firms most notably in terms of overall evidence of the contractor's ability, and previous experience & qualifications, due to the detail of their system proposal and their vast experience with municipal projects in the area, as well as experience working with, WE Energies our utility, and obtaining the required Focus on Energy incentives and Tax Credits. Arch Electric was also the only proposal to acknowledge Addendum #1 that was sent out. Arch Electric also provides structural engineering analysis of the roof, for all of their projects. Which is imperative to the maintaining the integrity of Ozaukee County's rooftops for the life of the building. Arch Electric has completed several solar installations in the area including: the Village of River Hills, the Village of Whitefish Bay, and City of Wauwatosa.

Arch Electric's total Cost Proposal of $655,688 was the second lowest, to IKIO Led Lighting at $639,360. Current Electric's cost proposal was $697,000 and Staff Electric's Cost Proposal was $975,000. Our 2022 independent cost estimate was $708,000, $53,000 higher.

FISCAL IMPACT: $655,689

Balance Current Year: $0 Next Year's Estimated Cost: $655,689

FUNDING SOURCE:

County Levy: $444,000 Non-County Levy: $211,000

Indicate source: Direct Pay 30% Tax Credit - $194,163, Focus on Energy - $16,759

RECOMMENDED MOTION: Award Contract to Arch Electric for $655,689

ATTACHMENTS:

- RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (PDF)
- Solar Electric PV System RFP Addendum #1_11-6-2024 (DOC)
- Arch Solar Proposal_11-14-2024 (PDF)

PUBLIC WORKS COMMITTEE

Request for Proposal
For
Design Build of Solar Electric PV Systems for Administration Center, Justice Center and Highway Shop

For

Proposals will be received by The Ozaukee County Administration Center at its office at 121 West Main Street, Port Washington, WI until 1:00 PM, CDT, on Thursday, November 14, 2024, and shall be addressed and marked as follows:

Solar Electric PV Systems (3)
Design Build Proposal
Attn: Jason Wittek, Policy & Budget Analyst
Ozaukee County Administration Center
121 W Main Street
Port Washington, WI 53074

Issued October 17, 2024
Ozaukee County Administration Center
121 W Main Street
Port Washington, WI 53074
(262) 284-8324

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

Request for Proposal Notice
for Design Build of a Solar Electric PV System for Administration Center, Justice Center, and Highway Workshop

Ozaukee County, Official Notice

Proposals will be received by Ozaukee County Administration Center at its office 121 W Main Street, Port Washington, WI until 1:00 PM, CDT, on Thursday, November 14, 2024, for professional Design-Build services for construction of three separate Solar Electric PV Systems. This Request for Proposal is for three tilt-up rooftop mounted Solar PV Systems of 98 KW, 166 KW and 70 KW on Ozaukee County's Administration Center, 121 W Main St, Port Washington, Justice Center, 1201 S Spring St, and Highway Workshop, 410 S Spring St, respectively, to include all engineering, labor, wiring, racking and other equipment needed for a complete installation. The anticipated award of this contract is November 21, 2024.

No pre-submittal meeting will be held.

A bid guarantee in the form of a certified check or bond payable without condition to Ozaukee County in an amount not less than five percent (5%) of the total amount bid shall be submitted with each bid as a guarantee that if the contract is awarded, a proper contract and 100% payment & performance bond will be executed and filed within ten (10) days after the acceptance of the bid. If the Contractor fails to execute and file such contract and bond, the amount of the check or bond shall be forfeited as liquidated damages.

No proposal shall be withdrawn after submitted without the consent of Ozaukee County for a period of sixty (60) days after the time of opening. Each Contractor agrees upon submission of a proposal that if the same be accepted within said time period, he/she shall be bound by the terms of acceptance hereinafter contained.

Proposer shall comply with the applicable federal and/or state laws regarding hours of labor and minimum wage rates. Ozaukee County reserves the right to reject any or all proposals, to waive any technicality, and to accept any bid deemed to be in the best interest of Ozaukee County. The successful Contractor will be required to furnish a Satisfactory payment & performance bond in the sum of the full amount of the contract.

All proposals must be sealed, addressed, and submitted to the Ozaukee County Administrator's Office, 121 West Main Street, Port Washington, Wisconsin 53074. There shall appear on the envelope of each proposal, the name and address of the Contractor and purpose for which the proposal is intended.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

The award to be let under this solicitation is between Ozaukee County and the most responsive and responsible bidder. Please refer to Solar Electric PV Systems on all correspondence relating to this project.

The Request for Proposals is available on Ozaukee County's website at https://ozaukeecounty.gov/bids.aspx or at Ozaukee County Administration Center, 121 W Main Street, Port Washington, WI 53074. Copies of the Request for Proposals may also be obtained by calling Jason Wittek, Policy & Budget Analyst, at (262) 284-8324 or by email at jwittek@ozaukeecounty.gov.

Published October 17th, and October 24th

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

Request for Proposal

For

Design Build of a Solar Electric PV System for Ozaukee County Administration Center, Justice Center, and Highway Shop

For

Ozaukee County

June 13, 2024

Table of Contents

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3.0 Scope of Services	6
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Attachments: Solar Site Assessments

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

1.0 Introduction

Ozaukee County invites interested and qualified Contractors to submit a written Proposal for design and construction of three tilt-up rooftop mounted Solar Electric PV Systems on the Administration Center, Justice Center, and Highway Shop rooftops (98 KW, 166KW, 70KW). Ozaukee County intends to use the results of this RFP to evaluate and select a Contractor in order to award a contract for the above listed design and construction Services. Design and construction services relating to two components:

(1) Structural Engineering Review of Existing Roofs (3)
(2) Design and construction of three Solar PV Systems

A series of Solar PV Systems including a 98 KW pv system on the Administration Center, a 166 KW system on the Justice Center and a 70 KW system on the Highway Shop are proposed to provide approximately 397,000 kWh annually which is approximately 23% of the Admin. Center, 68% of Highway and 7% of Justice Center's annual electricity use. A previous Solar Site Assessment conducted in 2022 and a Production Estimated in 2022 has determined the best location and size Solar PV System. Please see the three Attachments of Solar Site Assessments and Production Estimates for all three solar locations.

Our Administration Center, located at 121 W Main Street, Port Washington, has a flat roof redone in 2013, is approximately, 109' x 127', and 13,800 sf. Our Justice Center, located at 1201 S Spring Street, Port Washington, has multiple flat roof sections, that were redone in 2019, with approximately 38,000 sf available. Our Highway Shop, located at 410 S Spring Street, Port Washington, has approximately 12,500 sf available on the western portion of the roof, redone in 2015.

To complete this project, Ozaukee County has budgeted $708,000, and expects the awarded contractor to obtain/reserve Focus on Energy credits immediately when made available in 2025, and assist in obtaining federal Elective Tax Credits, made available through the Inflation Reduction Act. The goal is to begin construction of the Solar PV System when weather allows in early 2025.

Ozaukee County is seeking Proposals from Contractors that are experienced with construction of Solar Electric PV Systems.

These services will be conducted under a contract with Ozaukee County.

The contract will be regulated according to the provisions of all Federal, State and local laws and ordinances that are applicable. Obtaining local municipal permits will be done by the contractor, on behalf of the owner.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.0 Project Description

(1) Structural Review of Existing Roof

Prior to any installation of the Solar PV System, the Contractor must have a licensed PE or architect review the proposed plans and provide a letter indicating the existing roofs can support the proposed systems under current design conditions. The Contractor must provide a design and calculations that are stamped by a license professional in the State of Wisconsin. **The design must use the record documents of the building as a basis of design, not a typical or similar building in making structural determination.**

(2) Design and Construction of Solar PV System

Contractor will design, furnish and/or install all solar panels, appropriately sized inverter(s), required disconnects, lightening protection for equipment, all necessary mounting components and connection, including soladeck box, flashing and racking, all necessary conduit, wire, and miscellaneous parts for a complete system, permit fee application preparation and fees included, paperwork needed for utility incentive applications and utility interconnection agreements, and all travel and labor expenses included for a complete installation.

a) RFP respondents are expected to provide Solar PV System designs prior to any construction
b) Design shall include engineered designs which show all details of construction and are stamped and signed by a professional engineer
c) All equipment proposed shall be new; not used or demonstrators
d) The chosen Contractor will be expected to provide periodic updates at 30%, 60% and 90% completion intervals during the project. Updates must include details on products and materials ordered/received, approvals pending/received, onsite work completed to-date, outstanding issues affecting project timeline and other relevant details.
e) RFP respondents must have all necessary professional licenses required for the work and the ability to comply with all local, state and federal laws.

3.0 Scope of Services

The successful Contractor must be very knowledgeable in the design, engineering, and construction of Solar Electric PV Systems. Additionally, they must have appropriate resources and expertise to perform all planning, design, construction document (drawings and specifications) and construction management services in accordance with standard terms and conditions of the Ozaukee County Project Documents & Contract (Attachment 1).

Ozaukee County anticipates that the selected Contractor will provide the following Design-Build services, but is not limited to *(Responses to this RFP are encouraged to suggest other tasks and duties that may be applicable and useful to the County):*

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

1. **Schedule, Attend, and facilitate a Project Kick-Off Meeting** –Contractor will be required to meet with County staff, including the Director of Public Works, Building Superintendents, and Policy & Budget Analyst. Detailed schedule and team members will be finalized. Periodic meetings to review design and construction may be required.

2. **Review Existing Documentation** – Contractor shall familiarize themselves with:

    - The three project sites
    - Review 2022 Solar Electric Non-Residential Site Assessment Report
    - Production Estimate of three Solar Electric PV Systems on the Administration Center, Justice Center, and Highway Workshop roofs (98 KW, 166KW, 70KW).
    - City of Port Washington building codes

3. **Structural Review of Existing flat Roofs (3) (as described above).**

4. **Design Plans –** Contractors shall provide 100% plans for the project prior to construction.

    - **General Requirements –**
        - **i.** The total Solar Electric PV System size should be roughly 98 kW, 166 kW, 70 kW for the Administration Center, Justice Center, and Highway Shop respectively, as determined by the nameplate capacity of the PV panels. This has been provided as a recommended system size to maximize production and savings in accordance with our buildings electricity usage
        - **ii.** Solar Electric PV System must conform to all requirements imposed by WE Energies for a Solar Electric PV System
        - **iii.** The system must incorporate online energy production monitoring capability, preferably one that does not require any on-going annual fees

5. **Provide Construction Services –** To include:

    - Supply all equipment, materials and labor necessary to install the PV system and all associated components
    - Installation of solar panels, and associated equipment and wiring must not void any existing metal building and roof warranties; If any modifications to the building are required, they must be in strict code compliance
    - Supply all required materials and equipment to facilitate interconnection of Solar Electric PV System to WE Energies electrical grid
    - Wiring required for grid interconnection must be designed to run through the interior of the building
    - Review and provide price or cost analysis on all change orders
    - Start up and operating Solar Electric PV system until it achieves expected performance

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

- Testing to verify the performance of the system and its components meet design parameters, to be verified by County staff
- Provide all necessary construction closeout services including two sets O/M Manuals
- Provide two sets of as-built drawings of the installed equipment before closeout will be accepted
- Provide a minimum of two hours of on-site training for County staff on all aspects of routine operation, maintenance, monitoring and safety of the System
- Provide all warranty documentation at closeout

4.0 Proposal Content

Please submit one original and three copies of your Proposal by 1:00 pm, November 14, 2024. Do not exceed 25 pages. Printing on both sides is acceptable and encouraged. Pages shall be numbered consecutively with double sided sheets counted as two pages. **Late Proposals will not be accepted.**

Ozaukee County is not liable for any cost incurred by in replying to this RFP.

Letter of Interest – Describe your interest and qualifications as it relates to the project background and scope of services.

Organizational Approach – Describe your approach to this project, and the work tasks necessary to complete this project, to include:

- Project management techniques recommended for this project to effectively design and construct the Solar Electric PV System in accordance with scope of services including Structural Engineering Review
- How you will successfully work with County staff

Previous Experience and Qualifications – Describe past project experience that is relevant to this project, to include:

- Specific services that were provided to include similar Solar Electric PV System design and construction services within the past five years
- Public construction projects encouraged, but not required
- Date, size, and features of the project which would be beneficial to the County
- Visual images that illustrate the features and character of the project
- Local public works project experience and/or prior work with the county
- List of three client references
- Provide a list of key personnel to work on this project, to include:
    i. Specific role of team members on this project
    ii. Qualifications and experience of project team on similar projects in a similar role
    iii. Organizational chart
    iv. Include any sub-contractors proposed and approximate percentage of total services they will provide

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

System Proposal – Identify proposed system including detailed information from the RFP respondent on all system components. System component details must, at a minimum, be provided for the following items:

- PV Panels
- Inverter(s)
- AC Disconnects
- DC Disconnects
- Racking system
- Online performance monitoring system
- Provide Performance data and warranty information on system components

Project Schedule – Provide a chart of the project schedule, which indicates a sequence, timetable, and relationship to tasks, which are necessary to complete the project. Include a statement indicating that the proposed schedule can be met. Submit an alternate schedule if the proposed schedule could not be met.

Cost Proposal – The fee for this project shall be clearly stated as a lump sum for basic services as detailed in this document.

- Cost proposal shall include all costs incurred by the RFP respondent during the bonding, design, engineering, product procurement, installation, and warranty periods
- Cost proposal must be itemized and include at a minimum, the above mentioned categories to include labor hours, overhead, and materials!
- Include a spreadsheet/matrix listing the names, classification, hourly rates, and relationship of tasks, which are necessary to complete the project as, describe in this RFP.

5.0 Proposal Requirements

1. Please submit one original and three copies of your Proposal by 1:00 pm, November 14, 2024. Do not exceed 25 pages. Printing on both sides is acceptable and encouraged. Pages shall be numbered consecutively with double sided sheets counted as two pages. **Late Proposals will not be accepted!**

   Ozaukee County is not liable for any cost incurred by in replying to this RFP.

2. **Submit proposal to:**

Solar Electric PV Systems – Ozaukee County
Design Build Proposal
Attn: Jason Wittek, Policy & Budget Analyst
Ozaukee County Administrator's Office
121 W Main Street
Port Washington, WI 53074

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

3. Proposal must respond to each component listed above in Proposal Content in order in the form or format requested.

4. Proposals must be accompanied by a 5% bid guarantee in the form of a bid bond, certified check or bank draft, payable to Ozaukee County.

6.0 Pre-submittal Conference

Ozaukee County will **not** hold a pre-submittal conference to review this RFP. Explanations or clarifications desired by respondents regarding the meaning or interpretation of this RFP may be requested by contacting Jason Wittek, Policy & Budget Analyst at jwittek@ozaukeecounty.gov or at (262) 284-8324 us by October 31, 2024.

Contractors interested in this RFP should contact Ozaukee County to request placement on the RFP mailing list to insure receipt of any addenda and other relevant information. Inquiries should be directed to Jason Wittek at above address. Only questions submitted in writing will be issued a response in writing.

7.0 Selection Criteria

Responses will be reviewed based on the following criteria:

Overall evidence of Contractor's ability to perform the required services = 15

Previous Experience and Qualifications = 20

Organizational Approach & Schedule = 15

System Proposal = 15

Cost Proposal = 30

Schedule = 5

Total Available Points = 100

8.0 Award of Contract

A committee selected by Ozaukee County will evaluate written Proposals. Selection of the Contractor will be entirely on the basis of the items requested in the RFP, and as addressed in the Proposal.

Right to Award Contract Based on Best Value
The evaluation committee will award the contract based on the proposal that represents the best value to Ozaukee County based on the best combination of Selection Criteria evaluation which includes cost. Award will not be made solely on the basis of a low cost proposal.

Right to Reject Proposals
The evaluation committee reserves the right to reject any and all proposals.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

9.0 Timeline

RFP Issuance Date	October 17, 2024
Last Day for Submitting Written Questions	November 1, 2024
Mail and post addenda to firms, which Include answers to questions, supplements, and/or revisions to RFP	November 6, 2024
Proposals due by 1:00 pm	November 14, 2024
Evaluate Proposals	November 14, 2024
Award of Contract	November 21, 2024
Contractor under Contract/Notice to Proceed	December 1, 2024

It is the goal of Ozaukee County to have substantial completion of the project before the end of Summer 2025.

In addition to the information requested in part 4.0, be sure to respond to any questions and forms included throughout the RFP. The completeness and responsiveness to the questions and forms will be used in evaluating the Proposal per the assigned weighted criteria.

Attachments:

1. Project Documents (Contract to be signed and submitted within 10 days of award)
2. Solar Electric Site Assessment Reports

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

PROJECT DOCUMENTS FOR
Design Build of Solar Electric PV System for Administration Center (98 kW), Justice Center (166 kW) and Highway Shop (70 kW)

For

Ozaukee County

121 W Main St

Port Washington, Wisconsin

Instructions to Prospective Bidders	**2**
Bid Proposal	**7**
Special Provisions	**10**
Contract	**12**
Payment and Performance Bond	**16**
General Conditions	**20**

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

Design Build of Solar Electric PV System for Administration Center (98 kW), Justice Center (166 kW) and Highway Shop (70 kW)
For
Ozaukee County

INSTRUCTIONS TO PROSPECTIVE BIDDERS

III. Scope of Work:

A. The Work under these Project Documents includes development of the design and construction of three rooftop mounted Solar Electric PV Systems on Ozaukee County's Administration Center (98 kW), Justice Center (166 kW), and Highway Shop (70 kW) to include the structural engineering review of existing roofs (3), design, furnish and/or install all solar panels, appropriately sized inverter(s), required disconnects, lightening protection for equipment, all necessary mounting components and connection, including soladeck box, flashing and racking, all necessary conduit, wire, and miscellaneous parts for a complete system, permit fee application preparation and fees, paperwork needed for Focus on Energy utility incentive applications, assistance with paperwork in obtaining Elective Tax Credits, and utility interconnection agreements, and all travel and labor expenses included for a complete installation. The successful prospective contractor shall furnish all labor, materials, and equipment necessary to complete the work.

B. Unless otherwise specified herein, the prospective contractor shall supply all things required (including tools, materials, consumable supplies, labor and insurance) to complete the work shown, described, or intended in this contract. It is the prospective contractor's responsibility to request any clarifications or substitutions. Any errors or omissions that would impact the project will be borne by the prospective contractor.

C. All general proposal questions and requests to inspect the site should be directed to Jason Wittek, Policy & Budget Analyst, Ozaukee County at jwittek@ozaukeecounty.gov or (262) 284-8324.

2. Preparation of Proposal:

Bid proposal shall be firmly sealed in an proposal envelope labeled **"Solar Electric PV System (3) Design -Build Proposal"** and delivered to the office designated in the Advertisement for Proposals.

All proposals are to be made out in accordance with the Instructions and on the Bid Proposal Forms furnished by the Owner and included in this document.

Only Bid Proposals which are made out upon the regular Bid Forms included in this document will be considered. THE PROPOSAL FORMS **MUST NOT BE SEPARATED** FROM THIS DOCUMENT.

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3. Bid Security:

No Bid will be considered unless accompanied by a certified check, bank draft, or bonds, as defined in the Request for Proposals, payable to the Owner as a guarantee that if the bid is accepted the Contractor will execute and file the proposed Contract and Performance Bond (and Labor and Materials Bond, if required) within ten (10) days from the date of the award of the contract. On failure of the Contractor to execute the Contract and required Bonds, he will forfeit the deposit as agreed liquidated damages, and the acceptance of the Bid will be contingent upon the Contractor agreeing to this provision.

The bid security of the Contractors will be held until a Contract is executed and approved and then the balance of the proposal securities submitted will be returned within ten (10) days after the opening of proposals.

4. Examination of Site and Specifications:

(a) Contractors shall inform themselves of all the conditions under which the work is to be performed concerning the site of the work, the structure of the ground, the obstacles which may be encountered, whether shown on the plans or not, and all other relevant matters concerning the work to be performed.

The Contractor to whom a Contract is awarded will not be allowed any extra compensation by reason of any such matters or things concerning which the Contractor did not inform himself prior to submitting a proposal. The successful Contractor must employ, as far as possible, such methods and means in the carrying out of his work as will not cause any interruption or interference with the operation of the facility or with any other Contractors.

(b) The Contractor is expected to base bid pricing on materials and equipment complying fully with the Contract Specifications, and in the event, he names or includes in his bid materials or equipment which do not conform, he will, if awarded a contract, be responsible for furnishing materials and equipment which fully conform at no change in the Contractor's contact price.

(c) Contractor must satisfy themselves by personal examination of the locations of the proposed work and by such other means as they may prefer as to the correctness of any quantities listed in the Bid, and shall not, after submission of their Bid, dispute or complain of such estimate, nor assert that there was any misunderstanding in regard to the nature or amount of work to be done.

(d) Before submitting a Bid, each Contractor should read the complete Project Documents, Instructions to Bidders, the Form of Contract, all of which contain

provisions applicable not only to the successful Contractor, but also to any of the Contractor's subcontractors.

5. Interpretation of Proposed Project Documents:

If any person contemplating submitting a bid for any contract on this project is in doubt as to the true meaning of any part of the Contract Specifications, or other sections of the Contract Document, they may submit to the Owner a written request for an interpretation thereof. The person submitting the request will be responsible for its prompt delivery.

Any interpretation of the Project Document will be made only by addendum duly issued or delivered to each person receiving a set of such documents. The Owner will not be responsible for any other explanations or interpretations of the Project Documents or Contract.

6. Bid Requirements:

(a) Each Contractor shall submit only one Bid.

(b) Each Contractor must submit with his Bid, special data, if any, in respect to items of equipment, alternates, or other items which any section of the Contract Document requires to be submitted with each Bid.

7. Conditions in Contractor's Bid:

A Contractor shall not stipulate in the Bid any conditions not contained in the Form of Bid contained in the Project Documents.

8. "Or Equal" Clause:

Whenever in any section of the Project Documents any article, material, or equipment is defined by describing a proprietary product by using the name of a manufacturer or vender, the term "or equal," if not inserted shall be implied. The specific article, material, or equipment mentioned shall be understood as indicating the type, function, minimum standard of design, efficiency, and quality desired and shall not be construed in such a manner as to exclude manufacturer's products of comparable quality, design and efficiency, as approved by the Owner.

If any Contractor proposes to furnish an item or material which he claims to be of equal value, utility, or merit to a named product or material in the specification, the Contractor, supplier, or manufacturer shall submit a written statement to Ozaukee County 5 days prior to the proposal opening. The statement shall name and describe the item or material claimed to be equal and shall include supporting data along with a request for approval.

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9. Standard Manufacturer:

Whenever the terms “standard,” “recognized,” or “reputable” manufacturer are used, they shall be construed as meaning manufacturers who have been engaged in the business of fabricating materials, equipment or suppliers of the nature called for by the Specifications for a reasonable period of time prior to the date set for opening of proposals, and who can demonstrate to the satisfaction of the Owner that said manufacturer has successfully installed equipment, materials or supplies of the type proposed to be furnished in at least three instances and that the performance of such materials, equipment or supplies has been satisfactory.

Manufacturers who have been engaged in the business of manufacturing said materials, equipment or supplies for a period of over twelve months prior to the date fixed for opening bids shall, unless a longer period of time is specifically stated in the Specifications, prima facie be deemed to have been engaged in such business for a reasonable length of time.

10. Withdrawal of Bid:

Any Contractor may withdraw their bid at any time prior to the scheduled closing time for the receipt of proposals, but no proposal may be withdrawn after the scheduled closing time for the receipt of proposals within the period of time stated in the Advertisement for Bids.

11. Signing of Bid:

(a) Bids which are not signed by individuals making them shall have attached thereto a power of attorney evidencing authority to sign the proposal in the name of the person to whom it is signed.

(b) Bids which are signed for a co-partnership shall be signed by all of the co-partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the proposal a power of attorney, evidencing authority to sign the proposal.

(c) Proposals which are signed for a corporation shall have the correct corporate name thereof signed in handwriting or in typewriting, and the signature of the president or other authorized officer of the corporation should be manually written below the written or typewritten corporate name following the word “BY_____.”

(d) For any legal entity, the authority of the person signing for such legal entity shall be attached to the Proposal.

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12. Definition of Award:

The contract shall be deemed to have been awarded when formal notice of award has been duly served upon an intended awardee (i.e., the Contractor to whom the Owner contemplated awarding a contract) by some officer or agent whom the Owner duly authorized to give such notice.

13. Execution of Contracts and Bonds:

Each contract must be executed in four (4) original counterparts and no more, and there shall be executed original counterparts of the Contractor's Performance Bond (and Labor and Materials Bond, if required) in equal number to the executed original counterpart of the Contract. Three copies of such executed documents will be retained by the Owner, the other one will be delivered to the Contractor. The successful Contractor must provide compensation insurance and public liability as outlined in the General Conditions of the Contract. The costs of executing the bonds and contract insurance, including all notary fees and expenses are to be paid by the Contractor to whom the contract is awarded.

14. Commencement and Completion of Work:

Upon award of a Contract, the Owner shall determine the date on which the Contractor shall commence work. This date will not be prior to the time stated in the Proposal Form. Attention to all prospective Contractors is also directed to the number of calendar days stated in the Bid Form for completion of the work to the point of final acceptance by the Owner.

15. Make-up of Contract Document:

The attention of Contractors is directed to the make-up of this Contract Document. The specifications governing work to be performed on this project and included in this document are composed of Project Specifications, Special Provisions, and Bid Forms.

16. Payment:

Contractors will be paid at intervals stated in the Contract.

17. Award of Contract:

It is the intent of the OWNER to award the Contract to a responsible prospective contractor or prospective contractors provided the bid has been submitted in accordance with the requirements of the Project Documents and does not exceed the funds available.

The right is reserved by the OWNER to reject any or all proposals; to accept an alternate proposal; to waive technicalities; to re-advertise for proposals; and to accept the proposal which in its judgment, is deemed most advantageous for the OWNER.

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Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

Design Build of Solar Electric PV System for Administration Center (98 kW), Justice Center (166 kW) and Highway Shop (70 kW)

For
Ozaukee County

BID PROPOSAL

TO: Ozaukee County
121 W Main Street
Port Washington, WI 53074-0994

The undersigned having become familiar with the local conditions effecting the cost of the work and with the Project Documents including the form of Proposal, Form of Contract, Special Provisions, Specifications, and Addenda and Exhibits issued and attached to the Official Contract Document on file in the office of the Ozaukee County, hereby proposes to perform everything required to be performed and to provide and furnish all of the labor, materials, necessary tools, equipment, expendable and otherwise and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required for and the work described in the following Bid Schedule, in accordance with the following specifications as prepared by Ozaukee County including Addenda Nos. ___,___,___, and ___, issued thereto for the sums set forth in the following Proposal Schedule.

I. BID LUMP SUM

State the amount to provide design and construction of three rooftop mounted Solar Electric PV Systems on Ozaukee County's Administration Center (98 kW), Justice Center (166 kW), and Highway Shop (70 kW), including all labor and material to design, furnish and install and the related work of other trades described herein.

BID LUMP SUM $_____

Total Bid Price(in dollars written)_____

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II. BID CONDITIONS:

(1) TOTAL BID PRICE:

The Undersigned has carefully checked the above Bid Price Schedule against the provisions of the Request for Proposal and Project Documents before preparing this Bid and accepts as correctly listing the complete work to be done in accordance with the Request for Proposal, Project Documents.

(2) BID SECURITY

Accompanying this Bid is a (Certified Check) (Bank Draft) (Bid Bond) in the amount

of $_____DOLLARS ($_____) payable to (which protects) the Owner, and which it is agreed, will be retained by the Owner as liquidated damages if the undersigned fails to execute the Contract in conformance with the form of Contract incorporated in the Project Documents, and furnish a Performance Bond as specified within ten (10) days from the notification of the award of the Contract to the undersigned.

In submitting this Bid, it is understood and agreed by the undersigned, that the right is reserved by the Owner to reject any or all Bids. It is further understood and agreed that this Proposal may not be withdrawn for a period of sixty (60) days from the opening thereof.

(3) STARTING AND COMPLETION

If awarded a contract under this proposal, the undersigned agrees to commence work on the project within ten (10) days after receipt of formal notice to proceed from Ozaukee County. Ozaukee County anticipates awarding this contract **November 21, 2024**, and anticipates issuing the formal notice to proceed after **December 1, 2024.** Construction to start on or about **Spring, or as early as weather allows, 2025**. All work shall be substantially completed by **end of Summer, 2025**.

(4) SUBCONTRACTOR LISTING

The undersigned proposes to employ the following listed subcontractors for the following enumerated classes of work and not to alter or add to such a list without the written consent of the owner.

Class of Work	Subcontractor/Supplier Name	Percent (%) Value of Total Proposal Price
1.		
2.		
3.		
4.		
5.		

I hereby certify that all statements are made on behalf of _____
Name of Co. Submitting Bid

_____, State of _____, that I have examined and carefully prepared this proposal from the specification and have checked the same in detail before submission; that I have full authority to make such statements and proposal in (its, their, my) behalf, and that said statements are true and correct.

Signed By:_____ Date:_____

Title:_____

Company:_____

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Design Build of Solar Electric PV System for Administration Center (98 kW), Justice Center (166 kW) and Highway Shop (70 kW)

For
Ozaukee County

SPECIAL PROVISIONS

1. INSURANCE AND LIABILITY

The Contractor and the Surety will be held responsible for and shall save the Owner (Ozaukee County,) harmless from all liability for damages occasioned by the digging up, use or occupancy of the street, alley, highway, public grounds and private grounds or which may result therefrom, or which may result in any way from the negligence or carelessness of the Contractor, his agents, employees or workmen; or by reason of the elements, unforeseen or unusual difficulties, obstructions, or obstacles encountered in the prosecution of the work; and they shall indemnify the Owner for and save it harmless from all claims and liabilities, actions and causes of action, and liens for materials furnished or labor performed in the construction or execution of the work, and from all costs, charges and expenses incurred in defending such suits or actions, and from and against all claims and liabilities for injury or damage to persons or property emanating from defective or careless work methods, or from and against all claims or liabilities for royalties, license fees, actions, suits, charges and expenses or damage from infringement for reason of the use of any invention or improvement in tools, equipment or plant or any process, device or combination of devices used in the construction of the work.

The Contractor shall not commence work under a Contract until obtaining all insurance required under this paragraph and has filed certificates thereof with the Owner, nor shall the Contractor allow a Subcontractor to commence work until all similar insurance required has been so obtained and filed.

A. Workmen's Compensation

Statutory coverages as required by chapter 102 of the Revised Statutes of the State of Wisconsin for the year 1967 and all acts amendatory thereof and supplementary thereto, for all employees of the contractor. All subcontractors shall furnish to the Contractor and to Ozaukee County, evidence of similar insurance for all of their respective employees unless such employees are covered by the protection afforded by the contractor.

B. Comprehensive General Liability and Property Damage Insurance

Coverage to include operations; contractor's protective insurance, products coverage and completed operations; contractual coverage; underground coverage; blasting, explosion and collapse; all subject to the following limits:

Bodily Injury	$1,000,000 Per Person

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	$2,000,000 Aggregate
Property Damage	$500,000 Per Occurrence $500,000 Aggregate

C. Comprehensive Automobile Liability and Property Damage

Operation of owned, hired and non-owned motor vehicles:

Bodily Injury	$1,000,000 Per Person $1,000,000 Per Occurrence
Property Damage	$1,000,000 Per Occurrence

2. PERMITS

All Federal, State, and Local permits which may be required for the construction of the three Solar Electric PV Systems on the Administration Center, Justice Center and Highway Shop work shall be obtained, filed, and paid for by the Contractor.

3. PAYMENT AND PERFORMANCE BOND – WAIVERS OF LIEN

The Contractor shall be required to furnish a Payment and Performance Bond, including labor and materials, in the amount of the total amount of the Contract. Said Bond shall name the Owner and be delivered to the Owner at the time of execution of the Contract. The Contractor shall be required to file waivers of lien from all suppliers, subcontractors, etc., with the Owner prior to receiving payment on the project.

4. SITE RESTORATION

Unless otherwise noted, site restoration shall include restoration of all disturbed site improvements, including but not limited to, protective barriers, asphalt pavement, concrete curb and gutter, concrete pavement, landscaping materials and building facilities, unless noted otherwise on the plans.

5. SITE SAFETY

The Contractor shall exercise extreme safety precautions while working under this contract. The Contractor will be required to shield all open excavations from pedestrian and vehicular traffic during and at the end of each working day.

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CONTRACT

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Design Build of Solar Electric PV System for Administration Center (98 kW), Justice Center (166 kW) and Highway Shop (70 kW)

For
Ozaukee County

CONTRACT

THIS CONTRACT made on the _____day of_____, 2024 by and between.

Hereinafter called the 'CONTRACTOR' and Ozaukee County, Wisconsin, hereinafter called the "OWNER"

WITNESSES that the Contractor, and the Owner of the consideration stated herein agree as follows:

ARTICLE I. SCOPE OF WORK

The Contractor shall perform everything required under these Project Documents, which includes development of the design and construction of three rooftop mounted Solar Electric PV Systems on Ozaukee County's Administration Center (98 kW), Justice Center (166 kW), and Highway Shop (70 kW) to include the structural engineering review of existing roofs (3), design and shall provide and furnish all labor, and/or install all solar panels, appropriately sized inverter(s), required disconnects, lightening protection for equipment, all necessary mounting components and connection, including soladeck box, flashing and racking, all necessary conduit, wire, and miscellaneous parts for a complete system, permit fee application preparation and fees included, paperwork needed for Focus on Energy utility incentive applications, assistance with Elective Tax Credits paperwork, and utility interconnection agreements, and all travel and labor expenses included for a complete installation in accordance with the Request for Proposal including any and all addenda prepared by Ozaukee County are made part of the Contract, and in strict compliance with the Contractor's Proposal and the other sections of the Project Documents.

ARTICLE II. THE CONTRACT PRICE

The Owner shall pay to the Contractor for the performance of this Contract, subject to any additions or deductions provided herein, in current funds, the contract price as follows:

Total Bid Price_____

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One Lump Sum price for all labor and material for design and construction of three rooftop mounted Solar Electric PV Systems on Ozaukee County's Administration Center (98 kW), Justice Center (166 kW), and Highway Shop (70 kW), including all labor and material to design, furnish and install and the related work of other trades described herein, including the related work of other trades such as General Construction and Electrical as specified in the Project Documents, for a single Lump Sum.

The foregoing Total Bid Price shall be the basis for establishing the amount of Payment and Performance Bond. It is understood and agreed that payment shall be made on the basis of the lump sum bid amount for the work.

ARTICLE III. SPECIAL CONTRACT REQUIREMENTS

1. Component Parts of the Contract

Each Contract consists of the following component parts, all of which are as fully a part of this Contract as if herein set out verbatim, or, if not attached, as if attached hereto:

1. This Instrument
2. Addenda Nos. ___ and ___.
3. Special Provisions of the contract
4. General Conditions
5. Instructions to Prospective Contractors
6. Advertisement for Proposals
7. Contractor's Bid Proposal
8. County's Request for Proposal

In the event that any provision in any of the above component parts of this Contract conflicts with any provision in any other of the component parts, the provision in the component part first enumerated above shall govern over any other component part which follows it numerically, except as may be otherwise specifically stated.

This Contract is intended to conform in all respects to applicable statues of the State of Wisconsin, and if any part or provision of this Contract conflicts therewith, the said statute shall govern.

2. Starting and Completion

If awarded this contract, the undersigned agrees to commence work on the project within ten (10) days after receipt of formal notice to proceed from Ozaukee County.
Ozaukee County anticipates awarding this contract on or about **November 21, 2024** and anticipates issuing the formal notice to proceed on or about **December 1, 2024.**

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All work on this Contract, shall be substantially completed by **End of Summer, 2025** and fully completed to the satisfaction of Ozaukee County.

3. Liquidated Damages for Delay

The Contractor guarantees that he can and will complete the work within the time limit stated in the Contract Documents, or within the time as authorized and extended by the Owner. Inasmuch as the damage and loss to Ozaukee County which will result from the failure of Contractor to complete the work within the stipulated time, will be most difficult or impossible of accurate assessment, the damages to Ozaukee County for such delay and failure on the part of the Contractor shall be liquidated in the sum of Five Hundred Dollars ($500.00) for each calendar day, Sundays and Holidays included, by which the Contractor shall fail to complete the work or any part thereof in accordance with the provisions hereof, and such liquidated damages shall not be considered as a penalty. If the Owner can, with certainty, establish actual damage and loss to the Owner caused by the Contractor's failure to complete the project on time, and that amount is higher than the liquidated damages provided for herein, then at its option Owner may charge against the contract monies due said actual damages rather than liquidated damages.

IN WITNESS THEREOF, the parties hereto have caused this instrument to be executed in three original counterparts, the day and year first written above.

CONTRACTOR:

Company Name: _____

_____

_____

Seal:

_____ _____ _____

Authorized Agent Title Date

_____ _____

Attest Date

OZAUKEE COUNTY

Seal:

_____ _____

Jason Dzwinel, County Administrator Date

_____ _____

Karen Niemuth, County Clerk Date

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PAYMENT AND PERFORMANCE BOND

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INSTRUCTIONS FOR EXECUTION OF PAYMENT BOND AND EXECUTION OF PERFORMANCE BOND

The penal amount of the Payment and Performance Bond for a unit price Contract shall be the summation of the correct and checked extension of the unit prices with the estimated number of units.

The form of bonds attached hereto shall be used for each Contract. This form contemplates one corporate surety only. In case co-sureties will be furnished, proper forms therefrom shall be obtained.

If the principal is an individual, his full legal name, and residence shall be inserted in the body thereof, and he shall sign the bond with his usual signature on the line opposite the scroll seal.

If the principals are partners, their individual names shall appear in the body of the bond, with the recital that they are partners composing a firm, naming it.

If the principal is a corporation, the name of the State in which incorporated shall be inserted in the appropriate place in the body of the bond. Said instrument shall be executed and attested under the corporate seal as indicated in the form. If the corporation has no corporate seal, the fact shall be stated, in which case a scroll or adhesive seal shall appear following the corporate name. This also applies to execution by the surety.

If persons other than the President and Secretary are executing the Contract, then a copy of the Corporate Resolution adopted by the Board of Directors authorizing the parties to bind the corporation to this Contract must be attached to this Contract.

The date of the bond must not be prior to the date of the Contract for which it is given.

A Power of Attorney authorizing the execution of the bond by an attorney-in-fact, or Agent, shall be attached to the executed counterpart of the bond. If the bond is executed by an out-of-state agent, the executed counterpart of the bond shall be countersigned by a licensed resident agent.

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PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that_____ as Principal, and _____ as Surety, are held and firmly bound unto_____ _____ in the full and just sum of _____ Dollars ($_____) lawful money of the UNITED STATES OF AMERICA for the payment of which sum of money well and truly to be made, we bind ourselves, heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS: The Principal has entered into a certain written Contract, dated the _____ day of _____, 20____, with the _____ _____ for_____ complete, as described in the foregoing Contract and Article of Agreement.

NOW THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the said Principal shall in all respects well and truly keep and perform the said contract, and shall pay all sums of money due or become due, for any labor, materials, apparatus, fixtures or equipment furnished for the purpose of constructing the work provided in said Contract, and shall defend, indemnify and save harmless said _____ against any and all liens, encumbrances, damages, claims demands expenses, costs and charges of every kind except as otherwise provided in said specifications and other Project Documents, arising out of or in relations to the performance of said work and the provisions of said Contract, and shall remove and replace any defects in workmanship or materials which may be apparent or may develop within a period of one (1) year from the date of final acceptance, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

And said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed thereunder or the specifications accompanying the same shall in anyway affect its obligation on this bond, and it does hereby waive notice of any such change, extenuation of time, alteration or addition to the terms of the Contract or to the work or to the specifications.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, 20_____

_____(SEAL)

WITNESS: _____(SEAL)

_____

_____(SEAL)
(IF INDIVIDUAL OR FIRM)

_____(SEAL)

ATTEST:

(IF CORPORATION)

ATTEST:

_____

_____(SEAL)
SURETY

APPROVED_____, 20_____ _____
SURETY

TITLE

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GENERAL CONDITIONS

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GENERAL CONDITIONS TO THE CONTRACT

DEFINITIONS

The following terms used in these Contract Documents are respectively defined as follows:

(a) "Project"
The entire improvement proposed by the Owner to be constructed in whole or in part pursuant to the within Contract or Contracts.

(b) "Owner"
The contracting party initiating the project as set forth in the Contract acting through its authorized representative in accordance with specific duties delegated to such representative.

(c) "Contractor"
The person, persons, firm or corporation to whom the within Contract is awarded by the Owner, and who is subject to the terms of said Contract. Also the agents, employees, workmen, or assignees of the Contractor.

(d) "Subcontractor"
A person, firm or corporation, other than the Contractor, supplying labor and materials or labor only, on work at the site of the project.

(e) "Work"
All materials, labor, supervision, use of tools, and equipment necessary to complete the project in full compliance with the terms of the Contract.

(f) "Engineer"
Engineer(s) appointed by the Owner for the supervision of construction of the project.

(g) "Bidder"
The term "Bidder" shall refer to a firm who submits a response to this specification.

(h) "Surety"
The person, firm or corporation that has executed as Surety the Contractor's Performance Bond, securing the performance of the within Contract. Also the person, firm or corporation that has executed as Surety the Contractor's payment bond which guarantees payment to all persons supplying labor and material utilized in the prosecution of the work included in the Contract.

(i) "Notice"
Where in any section of the Contract Document there is any provision in respect to the giving of any notice, such notice shall be deemed to have been given (as to the Owner) when written notice shall be delivered to the Owner, or shall have been placed in the United States mails, addressed to the Highway Commissioner or County Clerk of the Owner, at the place where the bids or proposals for the Contract were

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opened; (as to the Contractor) when a written notice shall be delivered to the Chief Representative of the Contractor at the site of the project to be constructed under the Contract, or when such written notice shall have been placed in the United States mails, addressed to the Contractor at the place stated in the Proposal as the address of his permanent place of business; (as to the Surety) on the Performance Bond when a written notice is placed in the United States mails, addressed to the Surety at the home office of such Surety, and when two (2) copies of such notice shall have been filed with the Owner

INTENT OF CONTRACT DOCUMENTS

The Sections of the Contract Document are complementary and what is called for by any one shall be binding as if called for by all. The intention of the Contract Document is to include in the contract price the cost of all labor and materials, water, fuel, tools, plants, equipment, light, transportation, and all other expenses as may be necessary for the proper execution and completion of the work included in the Contract.

In interpreting the Contract Documents, words describing materials which have a well known technical or trade meaning unless otherwise specifically defined in the Contract Documents, shall be construed in accordance with such well known meanings recognized by Consultants, Engineers, and the trade.

EXISTING UTILITIES AND PIPING

It shall be the responsibility of the Contractor to make all necessary arrangements with the utility companies to locate their facilities including service laterals in the field during construction operations and to relocate any portions of their facilities as required to permit the installation of work included in these Contracts.

SHOP DRAWINGS

The Contractor, as soon as possible, after the approval of the source and purchase of items of materials and equipment, shall submit to the Owner, shop or setting drawings and schedules for every item of equipment or material to be incorporated in the work which is fabricated or manufactured off the site, including but not limited to those pertaining to structural and reinforcing steel, electrical, plumbing, carpentry, heating and ventilation. The Contractor shall make any corrections in the drawings required by the Owner or the Consultant and re-submit same without delay, together with drawings first submitted. Six (6) final copies of all corrected and approved shop or setting drawings shall be submitted to the Owner or Consultant who, after checking, will retain three (3) copies and return three (3) copies to the Contractor.

The Owner or Consultant’s approval of shop drawings of equipment and materials shall extend only to determining the conformity of such equipment and materials with the general features of the Contract. It shall be the responsibility of the Contractor to determine the correctness of all dimensions and minor details of such equipment and materials so they will fit into the completed work, and so that when incorporated in the work, correct operation will result.

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SCHEDULE OF EQUIPMENT ITEMS

As soon as possible after the execution of the contract on all contracts incorporating manufactured items, the contractor shall submit to the Owner for approval, the name of the manufacturer of each item proposed to be purchased, together with a complete description of the item and catalog cuts. No final purchase of major equipment shall be made until the written approval of the Owner is obtained, and no deviation from the selected manufacturers as stated in the Contract will be accepted.

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INSPECTION

The Owner and their representative shall at all times have access to the work wherever and whenever it is located in performance or progress, and the Contractor shall provide proper facilities for such access and inspection.

The Owner or Consultant shall have the right to reject materials and workmanship which are defective, or to require their correction. Rejected workmanship shall be satisfactorily corrected, and rejected materials shall be removed from the premises without charge to the Owner. If the Contractor does not correct such condemned work and remove rejected materials within a reasonable time fixed by written notice, the Owner may remove them and charge the expense to the Contractor.

Should it be considered necessary or advisable by the Owner at any time before final acceptance of the entire work, or at any other time, to make an examination of work already completed by removing or tearing out same, the Contractor shall on request promptly furnish all necessary facilities, labor and materials. If such work is found to be defective in any material respect due to fault of the Contractor or their subcontractors, the Contractor shall bear all the expense of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract, the actual cost of labor and materials necessarily involved in the examination and replacement, plus 15% will be allowed the Contractor.

All materials to be incorporated in the work, all labor performed, all tools, appliances and methods used shall be subject to the inspection and approval or rejection of the Owner.

If any authorized agent of the Owner shall point out to the Contractor, Contractor foreman or agent, any neglect or disregard of the contract provisions, such neglect or disregard shall be remedied and further defective work be at once discontinued, but the right of final acceptance or rejection of the work will not be waived by reason thereof, not by any other act of the Owner or its agents.

The Contractor shall, at times, be executing the work in the presence of the Owner or Consultant or Inspector during the working hours of the day. The presence of the Owner or Consultant or Inspector shall in no way relieve the contractor of the responsibility of his contract, or be any warrant for furnishing of bad material or poor workmanship.

The inspection of the work by the Owner or Consultant is intended to aid the Contractor in applying labor, materials and workmanship in compliance with the contract provisions. Such inspection, however, shall not operate to release the Contractor from any of his contract obligations.

SUPERINTENDENCE

The Contractor will give personal superintendence to the work, or have at the site of the work, at all times, a competent foreman, superintendent, or other representative, satisfactory to the Owner and having the authority to act for the Contractor.

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Insofar as is practicable, and excepting in the event of discharge by the Contractor, or in the event of proven incompetence, the individual who has been accepted by the Owner to represent the contractor shall so act, and shall follow without delay instructions of the Engineer in the prosecution of the work in conformity with the contract.

LABOR

The Contractor shall employ none but competent and skilled workmen and foremen in the prosecution of work on this Contract. The Owner shall have the authority to order the removal from the work any Contractor's employee who refuses to or neglects to obey any of its instructions or those of the Consultant or Inspectors, relating to the carrying out of the provisions and intent of the provisions of the Contract, or who is incompetent, unfaithful, abusive, threatening or disorderly in conduct, and any such person shall not again be employed on this project.

PROTECTION OF WORK

The Contractor shall continuously maintain adequate protection of all work from damage, and shall protect the Owner's and adjacent property from injury arising in connection with this Contract.

The Contractor shall be responsible for any and all damage to property, public or private, that may be caused by said Contractor's operations in the performance of the Contract, and the contractor shall defend any suite that may be brought against them and/or the Owner on Account of damage inflicted by the Contractor's operations, and shall pay any judgments awarded to cover such damage.

COST OF SERVICES

The Contractor shall be required to pay the established water rates obtained from the Owner. Large quantities of water for masonry cleaning, repointing, or other operations shall be drawn only at night, or at times specifically authorized by the Owner.

USE OF JOB SITE

The Contractor shall confine equipment, apparatus, the storage of materials and operations of workman to limits indicated by the law, ordinances, permit or directions of the Owner and shall not encumber the premises with Contractor materials.

The Contractor shall not load or permit any part of the structure to be loaded with a weight that will endanger its safety. The contractor shall observe and enforce the Owner's instructions regarding signs, advertisements, fires and smoke.

USE OF PRIVATE LAND

The Contractor shall not use any vacant lot or private land as a plant site, depository for materials, as a spill site, or for any other purpose without the written authorization of the Owner of the land (or his agent). A copy of written authorization shall be filed with the Owner.

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ACCESS TO PRIVATE PROPERTY AND SCHEDULE OF CONSTRUCTION

Prior to commencement of any work under this Contract, the Contractor shall confer with the Engineer and other representative of the Owner and prepare a detailed schedule of construction operations.

This schedule shall be subject TO THE APPROVAL OF THE Owner, and the Owner reserves the right to subsequently modify the schedule should he deem it necessary.

All construction work shall be prosecuted in a fashion which will cause a minimum of interference with pedestrian and vehicular traffic. Access to alleys and private driveways shall also be provided as soon as possible.

At the close of each day's construction work, at least two lanes of traffic, one in each direction, shall be maintained on all streets.

SUBCONTRACTS

The Contractor shall notify the Owner, in writing, of the names of the subcontractors proposed on the Contract and shall not employ any subcontractors until the Owner's approval in writing has been obtained.

The Contractor agrees to be fully responsible to the Owner for the acts or omissions of their subcontractors and of anyone employed directly or indirectly by them, and this Contract obligation shall be in addition to the liability imposed by law upon the Contractor.

Nothing contained in the Contract Documents shall create any contractual relationship between any subcontractors and the Owner. The Contractor agrees to bind every subcontractor (and every subcontractor of a subcontractor) by the terms of the General and special Provisions of the Contract, as far as applicable to their work, unless specifically noted to the contrary in a subcontract approved in writing as adequate by the Owner.

ASSIGNMENT OF CONTRACT

No assignment by the Contractor of any construction contract, or any part thereof, or of the funds to be received there under by the Contractor, will be recognized, unless such assignment has had the written approval of the Owner and the Surety has been given due notice of such assignment and has furnished written consent thereto. Such written approval by the Owner shall not relieve that Contractor of the obligations incurred under the terms of this Contract. In addition to the usual recitals in assignment contracts, the following language must be set forth:

> "It is agreed that the funds to be paid to the assignee under this assignment are subjected to a prior lien for services rendered or materials supplied for the performance of the work called for in said contract in favor of any persons, firms, or corporations rendering such services or supplying such materials".

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OTHER CONTRACTS

The Owner may award other contracts for additional work at the site of the project (or other locations) and the Contractor shall fully cooperate with such other Contractors and carefully fit their own work to that provided under other contracts as may be directed by the Owner. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor.

OWNER'S RIGHT TO DO WORK

If the Contractor neglects to prosecute the work to be performed on this Contract properly, or fails to perform any provision of this Contract, the Owner, after three days' written notice to the Contractor and their Surety, may, without prejudice to any other remedy they may have, make good such deficiencies and may deduct the cost thereof from the payment due the Contractor.

TERMINATION FOR BREACH

In the event that any of the provisions of this Contract are violated by the Contractor or by any of his subcontractors, the Owner may serve written notice upon the Contractor and the Surety of its intention to terminate this Contract, such notice to contain the reasons for such intention to terminate this Contract, and unless within ten (10) days after the serving of such notice upon the Contractor, such violation shall cease and satisfactory arrangements for correction is made, the Contract shall upon expiration of said ten (10) days cease and terminate. In the event of any such termination, the Owner shall immediately serve notice thereof upon the Surety and the contractor, and the surety shall have the right to take over and perform the Contract; provided, however, that if the Surety does not commence performance thereof within thirty (30) days from the date of the mailing to such Surety of notice of termination, the Owner may take over the work and prosecute the same to completion by contract or force account and the expense of the Contractor and their Surety shall be liable to the Owner for any excess cost thereby occasioned the Owner.

In cases where the Contractor has failed to complete minor items of work within the time set for completion of the Contract, but limited to cases where the value of such uncompleted work does not exceed five percent (5%) of the total construction cost of the work, then the Owner shall have the privilege, without terminating this Contract, of completing said items of work and then deducting from the sums due the Contractor under this Contract the total cost which the Owner incurs in completing such minor items of work. In such cases the Owner may complete such minor items of work by force account or by employing some other Contractor to complete such minor items of work. In the event the Owner desires to adopt this procedure, they shall deliver to the Contractor a written statement, enumerating and describing the items not completed, or imperfectly completed, and shall in such statement demand that the Contractor within a time to be fixed in such statement by the Owner, and then if the Contractor refuses to comply, or if they neglects to comply with time stated, the Owner may proceed as in above set forth. The time within which the Contractor shall be required to complete the items set forth in such statement must depend on the amount of time reasonably required for the performance of the work in question, but shall not in any event be less than ten (10) days, nor more than thirty (30) days.

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MATERIALS AND WORKMANSHIP

Unless otherwise stipulated in the Contract, all workmanship, equipment, materials and articles incorporated in the work covered by this Contract shall be new and of the best grade of their respective kinds for the purpose. The Contractor shall furnish to the Owner for their approval the name of manufacturers of machinery, mechanical or other equipment, which contemplate installing together with their performance capacities and other pertinent information.

If not otherwise provided, materials or work called for in this Contract shall be furnished and performed in accordance with well known established practice and standards recognized by Consultants, Engineers and the trade.

When required by the Contract or when called for by the Owner, the Contractor shall furnish the Owner, for approval, full information concerning the materials or articles which they contemplate incorporating in the work. Samples of materials shall be submitted for approval when so directed. Machinery equipment, materials and articles installed or used without such approval shall be at the risk of subsequent rejection. All materials and workmanship shall be guaranteed by the Contractor and the Surety for a period of one year from the date of final acceptance, and this guarantee must be covered in the Surety Bond for the Contract.

At any time during the course of construction of this project, when, in the opinion of the Owner, Contract conditions are being violated by the Contractor or their employees, the Owner shall have the right and authority to order all construction to cease or materials to be removed, until arrangements satisfactory to the Owner are made by the Contractor for resumption of the work in compliance with the provisions of the Contract. It shall not be construed as a waiver of defects if the Owner shall not order the work stopped or more material removed, as the case may be.

CUTTING AND PATCHING

The Contractor shall do all cutting, fitting or patching of their work that may be required to make its several parts fit together or to receive work of other Contractors shown upon, or reasonably implied by the Specifications for the completed project.

Any cost caused by defective or ill-timed work shall be borne by the party responsible therefore.

The contractor shall not endanger any work by cutting, digging or otherwise shall not cut or alter the work of any Contractor without the consent of the Owner, or of the Owner's authorized representative.

GUARANTEES

All work to be performed under this Contract shall be constructed in compliance with the contract Specifications and standard construction codes, and must be guaranteed by the Contractor and their Surety for a period of one (1) year from the date of final acceptance by

the Owner against defective workmanship and material of any nature. On all items of equipment to be incorporated in the completed project, the Contractor and their Surety must guarantee that the type, quality, design and performance will fully meet the requirements of the Contract Specifications.

In placing orders for equipment, the contractor shall purchase same only under a written guarantee from the respective manufacturers that the equipment supplied will function satisfactorily as an integral part of the completed project in accordance with the Contract Specifications and that the manufacturer will repair or otherwise make good any defects in workmanship or materials which may develop within a period of one (1) year from the date of final acceptance. Furthermore, the Contractor shall require that the manufacturer agree in writing at the time the order for equipment is placed that he will be responsible for the proper functioning of the equipment in cooperation with the Contractor, and that whenever necessary during the installation period or tuning-up period following the construction period, the manufacturer will cooperate as may be necessary for initial successful operation and will supply, without additional cost to the Owner, such superintendence and mechanical labor as may be necessary to make any adjustments, and to supply additional parts and labor needed to make the equipment function satisfactorily, even if same was not shown on the approved shop drawings. Two (2) copies of each guarantee of agreement shall be furnished to the Owner by the Contractor.

FINAL TESTS

After completion of the work to be performed on this Contract, the Contractor shall make any and all tests required by this project document, Municipal or State regulations, and, where so provided in said regulations, shall furnish the Owner with certificates of inspection by the Municipal or State regulatory bodies. The Contractor shall also make all tests required by the National Board of Fire Underwriters for the purpose of determining insurance rates or other protection of the Owner or the public, and all tests needed to determine complete and faithful compliance with all provisions of the Contract.

CLEANING UP AND FINAL INSPECTION

The Contractor shall at all times keep the site of the work free from accumulation of waste material or rubbish caused by his employees on the construction work, and at the completion of the work he shall remove all their rubbish from and about the work and all their tools, equipment, scaffolding, and surplus materials, and shall leave the competed work clean and ready for use. In case of dispute, the Owner may remove the rubbish and surplus materials and charge the cost to several Contractors, if more than one is employed on the project, in proportion to the amounts as shall be determined by the Owner to be just.

When requested by the Consultant, the Contractor shall, remove sheeting, clean up the area, restore subgrade and/or pavement, replace topsoil, seed areas, etc., for individual sections of the work as they are completed rather than upon completion of the project.

On or before completion of the work the Contractor shall, without charge, tear down and remove all buildings and other structures built by him for facilitating the carrying out of the

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work, and shall remove all rubbish of all kinds from the grounds which he has occupied and shall leave the work clean and in good condition.

All sewers, conduits, pipes and appurtenances and all tanks, pump wells, chambers, buildings and other structures shall be kept clean during construction and as the work, or any part thereof, approaches completion, the Contractor shall systematically and thoroughly clean and make any needed repairs to them. They shall furnish at their own expense suitable tools and labor for removing all water and clearing out all dirt, mortar and foreign substances. Any undue leakage of water into the structures, such as to make the work, in the opinion of the Consultant, fall short of first class work shall be promptly corrected by the Contractor at their own expense. Cleaning and repairs shall be arranged, as far as practicable, to be completed upon finishing the construction work.

Notice to begin final cleaning and repairing, if such is needed, will be given by the Consultant who, at the time, will make their final inspection of the work. The Consultant will not approve the final payment of any portion of the work until after the final inspection is made and the work found satisfactory.

CONTRACTOR'S INSURANCE

The Contractor shall not commence work under this Contract until they have obtained all insurance required under this paragraph. Certificates of Insurance, together with duplicates of the policies, fully executed by officers of the Insurance Company, shall be filed with the Consultant and Owner for approval. The Contractor shall not allow any subcontractor to commence work on his subcontract until all similar insurance required for the subcontractor has been so obtained and approved. The Contractor shall also submit the original insurance policies for inspection and approval of the Owner before work is commenced. Said policies shall not thereafter be cancelled, permitted to expire, or to be changed without ten (10) days' notice in advance to the Owner and consented to by the Owner, and the policy shall so provide.

(a) Compensation Insurance: Before any work is commenced, the contractor shall take out and maintain during the life of this Contract, Worker's Compensation Insurance for all of his employees employed at the site of the Project. In case any work shall be sublet, the Contractor, shall require the Subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in work under this Contract at the site of the Project is not protected under the Worker's Compensation Statute, the Contractor shall provide Employer's Liability Insurance for the protection of his employees not protected by the Worker's Compensation Statute.

(b) Public Liability and Property Damage Insurance: The Contractor shall take out and maintain during the life of this Contract such Comprehensive Public Liability and Property Damage Insurance as shall protect them, the Owner, and any subcontractor during the performance or work covered by this Contract from claims or damages for personal injury, including death, as well as for claims for property damages, which may arise from operation under

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this Contract, whether such operations be by the Contractor or by any Subcontractor, or by anyone directly or indirectly employed by either of them, or in such a manner as to impose liability on the Owner, and the amounts of such insurance shall name the Owner as insured along with the Contractor, and shall hold harmless the Owner against all suits and claims arising from or as the result of the operations of the Contractor or his Subcontractors. In absence of specific regulations, the amount of coverage shall be as follows:

Comprehensive Public Liability Insurance in an amount not less than $1,000,000 for injuries, including accidental death to any one person, and subject to the same limit for each person in an amount not less than $3,000,000 on account of one accident, and Property Damage Insurance in an amount not less than $500,000. In addition to the above, the Contractor's Liability and Property Damage Insurance shall be endorsed to provide contractual liability coverage for the Owner.

(c) Insurance covering Special Hazards: Special hazards as determined by the Owner, shall be covered by rider or riders in the Comprehensive Public Liability and/or Property Damage Insurance policy or Policies herein elsewhere required to be furnished by the Contractor, or by separate policies of insurance in the amounts as defined in the Special Provisions of the Contract, included herewith.

(d) Automobile Insurance: The Contractor shall take out and maintain during the life of the Contract, Automobile Public Liability Insurance in amounts not less than $1,000,000 and Property Damage Liability Insurance in an amount not less than $1,000,000 if any teams or motor vehicles are engaged in operating within the terms of this Contract on the site of the work to perform thereunder. Such insurance shall cover the use of all such teams and motor vehicles engaged in operating within the terms of this Contract on the site of the work to be performed thereunder, unless such coverage is included in the insurance specified in Paragraph (b) above.

(e) Subcontractor's Insurance: The Contractor shall require Subcontractors, if any, not protected under the Contractor's insurance policies to take out and maintain insurance of the same nature and in the same amounts as required of the Contractor for Comprehensive Public Liability and Property Damage.

(f) Fire Insurance: The Contractor shall take out and maintain a fire, extended coverage, vandalism and malicious mischief insurance policy protecting the Contractor and the Owner up to the date of final acceptance of the completed work performed under this Contract, in an amount equal to the value of the work completed.

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PROOF OF CARRYING INSURANCE

The Contractor shall furnish to the Owner satisfactory proof of carriage of the insurance required in a reliable company or companies before commencing any work. Such proof shall consist of certificates executed by the respective insurance companies and filed with the Owner. The Contractor shall also submit the original insurance policies for inspection and approval of the Owner before work is commenced. Said policies shall not thereafter be cancelled, permitted to expire, or be changed without notice of ten (10) days' in advance to the Owner and consented to by the Owner.

If the Contractor does not furnish evidence of insurance coverage required for fire, extended coverage, vandalism and malicious mischief insurance as required under Paragraph 27 (f) above, he shall be deemed to be self-insured for these insurance requirements.

CONTRACT SECURITY

The Contractor shall furnish a Surety Bond, or Bonds (form attached) in an amount at least equal to 100 percent (100%) of the contract price as security for the faithful performance of the Contract. The Performance Bond must contain a separate binding provision that the Surety will guarantee the payment of all persons performing labor and furnishing materials in connection with this Contract.

DAMAGE CLAIMS TO BE PAID BY CONTRACTOR – OWNER TO BE HELD HARMLESS

The Contractor in the performance of this Contract, shall put up and maintain barriers and lights as will effectively prevent the happening of any accident in consequence of any depressions, holes or the accumulation of any obstruction or hazards of any nature whatsoever made or suffered upon premises, public sidewalks, highways, or areas within the immediate vicinity of said construction; and shall hold the Owner safe and harmless for the happening of any accident claimed or alleged to be the result of any negligence which is the proximate result of the doing or performing any work or service in connection with the immediate vicinity; and Contractor and his Surety or liability carrier will assume such liabilities and will pay on demand any and all damage or damages occasioned as herein specified.

The Contractor shall well and truly save and indemnify and keep harmless the Owner against all liability, judgments, costs and expenses which may in any way come against the Owner in consequence of the granting of this Contract to said Contractor, or which may in any way result from the carelessness or neglect of the said Contractor, or the agents, employees, or workmen of said Contractor in any respect whatsoever.

CLAIMS AND PAYMENT FOR LABOR, MATERIAL OR WORK

The Contractor shall save the Owner (Ozaukee County) harmless from all claims or demands of any Subcontractor employed by the Contractor or from any claims or demands of any person, firm or corporation furnishing any material, apparatus, fixtures, services, machinery or labor to the Contractor herein for the doing of the work referred to herein, and it is expressly understood and agreed that the liability of whatsoever kind or nature, including

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those referred to and established by Sec. 779.16 and 289.53 of the Wisconsin Statutes of 1955 and acts supplementary thereto.

Further, the Contractor shall pay all claims for work and labor performed and materials furnished in or about the work herein referred to, and Surety shall undertake that the Contractor will pay all claims for work or labor performed and materials furnished, and that the said Contractor shall pay to each and every person or party entitled thereto all claims for work or labor performed and materials furnished for on, in, or about said construction or under this Contract.

DEFENSE OF CLAIMS OR SUITS BY REASON OF PATENT INFRINGEMENT

The Contractor shall pay for all royalties and patents for any patented product used by them or incorporated in the work, and shall defend all claims or suits for infringement of any patent right brought against the Contractor or the Owner, and shall save the Owner harmless from loss on account thereof; the Contractor shall indemnify and save harmless the Owner and its officers and agents from all damages, judgments, claims and expenses arising from the infringement of any letters patent, or patent right, or because of any royalty, fee or license for the use, arrangement or operation of any tools, machinery, appliances, devices, or materials which may be used by the Contractor or furnished by them in fulfillment of the requirements of this Contract. In the event of any claim or action at law on account of such patents or fees, it is agreed that the Owner may retain out of the monies which are or which may become due the Contractor under this Contract, a sum of money sufficient to protect itself against loss, and to retain the same until said claims are paid or satisfactorily adjusted.

PERMITS, SURVEYS AND COMPLIANCE WITH LAWS

The Contractor shall procure and pay for all permits, licenses, and bonds necessary for the prosecution of the work and/or required by Municipal, State and Federal Regulations and Laws, unless specifically provided otherwise in the Special Provisions of the Contract, and/or in the Contract Specifications.

The Contractor shall give all notices, pay all fees, and comply with all Federal, State and Municipal Laws, Ordinances, Rules and Regulations, and Building and Construction Codes bearing on the conduct of the work. This contract, as to all matters not particularly referred to and defined therein, shall notwithstanding be subject to the provisions of all pertinent ordinances of the Municipality within whose limits the work is constructed which ordinances are hereby made a part hereof with the same force and effect as if specifically set out herein.

ACCIDENT PREVENTION

Precautions shall be exercised at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws, building and construction codes shall be observed. The Contractor shall be responsible for protection of all machinery equipment and all hazards shall be guarded (or hazards eliminated) in accordance with the safety provisions of the manual of Accident Prevention in Construction, published by the Associated General Contractors of America, to the extent that such provisions are not in contravention of applicable law.

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The Contractor shall put up and maintain such barriers and supply such watchmen as will effectively prevent accidents and, in addition, during night hours he shall put up and maintain sufficient lights and flares to warn and safeguard the public against accidents. The Contractor in executing the work on this project shall not unnecessarily impede or interfere with traffic on public highways or streets, and the Owner is to be the sole judge as to what constitutes unnecessary interference with traffic, or as to what constitutes a hazard in traffic. The Contractor shall confer with the Owner and keep local Police and Fire Departments fully informed as to streets or alleys which are to be closed to traffic for construction purposes.

NOTICE TO START WORK

The Contractor shall notify the Owner or Consultant in writing one week (7 days) before starting work at the site of this Contract of intent to do so. In case of a temporary suspension of work, similar notice shall be given before resuming work.

OWNER'S RIGHT TO WITHHOLD CERTAIN AMOUNTS AND MAKE APPLICATION

The Owner may withhold from payments to the Contractor, in addition to retained percentage, such an amount or amounts as may be necessary to cover:

(a) Payments that may be earned or due for just claims for labor or materials furnished in and about the work.

(b) For defective work not remedied.

(c) For failure of the contractor to make proper payments to the Subcontractors.

(d) Reasonable doubt that this Contract can be completed for the balance then unpaid.

(e) Evidence of damage to another Contractor.

(f) Liquidated damages due to failure to meet contract completion dates.

The Owner will disburse and shall have the right to act as agent for the Contractor in disbursing such funds as have been withheld pursuant to this paragraph to the part or parties who are entitled to payment therefrom. The Owner will render to the Contractor a proper accounting of all such funds disbursed in behalf of the Contractor.

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The Owner also reserves the right, even after full completion and acceptance of the work, to refuse payment of the final ten percent (10%) due the contractor until it is satisfied that all Subcontractors, material suppliers and employees of the Contractor have been paid in full.

CHANGES – PAYMENT

The Owner may, upon proper action of its Common Council, authorize changes in the work to be performed or the materials to be furnished under the provisions of this Contract.

Adjustment, if any, in the amounts to be paid to the Contractor by reason of any such changes shall be determined by one or more of the following methods:

(a) By unit prices contained in the Contractor's original bid and incorporated in his construction contract.

(b) By a supplemental schedule of prices contained in the Contractor's original bid and incorporated in this construction contract.

(c) By an acceptable lump sum or unit price proposal by the Contractor.

(d) On a cost-plus limited basis not to exceed a specified limit (defined as the cost of labor, materials and insurance) plus a specified percentage of the cost of such labor, materials and insurance provided the specified percentage does not exceed fifteen percent (15%) of the aggregate of the cost of such labor, materials and insurance, and shall in no event exceed a specified limit.

No claim for an addition to the contract price will be valid unless authorized as aforesaid.

In cases where a lump sum proposal is submitted by the Contractor in excess of Five Hundred Dollars ($500.00) and the Owner considers the proposal so submitted is excessive or unreasonable for the changes or added work contemplated, the Owner reserves the right to request a proposal for the same changed items from other Contractors. If a proposal for such added work is obtained from other Contractors at a lesser amount, the Owner reserves the right to make an award of such work to another Contractor, unless the Contractor on this Contract agrees to do the added work or changed work for the price named by the other Contractor.

It shall be expressly understood and hereby agreed to by the Contractor that no claim for extra work will be recognized by the Owner unless same has been ordered, in writing, by the Owner, or unless claim for such added work has been filed by the Contractor within five (5) days after the end of the calendar month in which such alleged work was performed.

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Inspectors and Resident Engineers are not authorized to act for the Owner in giving orders for the Owner for extra or additional work, either in writing or verbally.

DEDUCTION FOR UNCORRECTED WORK

If the Owner deems it expedient to accept work damaged or not done in accordance with the Contract, an equitable adjustment will be made with a proper deduction from the contract price for unsatisfactory work.

FINAL ACCEPTANCE OF THE WORK

The Contract shall be deemed as having been finally accepted by the Owner when its governing body, by formal resolution, accepts the work.

CORRECTION OF WORK AFTER FINAL PAYMENT

Neither the final payment on this Contract by the Owner nor any provision in these Contract Documents shall relieve the Contractor or Surety of the responsibility for negligence in the furnishing and installation of faulty materials or for faulty workmanship which shows up within the extent of the period provided by law nor of the responsibility of remedying such faulty workmanship and materials.

OWNER'S RIGHT TO USE UNCOMPLETED WORK

The Owner shall have the right to take possession of and use portions of the work prior to final acceptance without waiving rights against the Contractor or their Surety for defects in the work or failure to complete same in its entirety.

PAYMENTS

Pay estimate periods shall close on the last day of each calendar month so that completed estimates can be computed for processing. On each partial payment during the progress of the project, the Owner will retain an amount in accordance with Chapter 66.29 Wisconsin Statutes. The value of work installed will be computed by deducting the estimated cost of street surfacing and site restoration work on those portions of the work installed from the unit bid price extensions for the various items of work. No payment will be made for material stored at the job site.

SITE RESTORATION

The Contractor shall restore the entire site and adjacent properties to the same condition it was prior to the start of work by the Contractor. All items including but not limited to alleys, parking lots, gravel shoulders, driveways, water pipes and laterals, storm sewers, retaining walls, fences, ditches, stone rip-rap, sanitary sewers and laterals, gas mains, culverts, utility poles, signs, mail boxes, walks, sod, shrubs, trees, asphalt walks, etc., shall be protected by the Contractor, and such items as the Contractor finds it impossible to protect from damage or removal shall be replaced in kind by the Contractor.

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DELAYS

If the work of the Contractor is delayed because of any acts or omissions of any other Contractor, the Contractor shall have no claim against the Owner on that account other than an extension of time.

In case any action in court is brought against the Owner or Consultant, or any officer or agent of either of them, for the failure, omission or neglect of the Contractor, utility company or Owner of other facilities within the project area to perform any of the covenants, acts, matters or things by this Contract undertaken, or for injury or damage caused by the alleged negligence of the Contractor or his subcontractors or his or their agents, or in connection with any claim based on lawful demands of subcontractors, workmen, material men, or suppliers, the Contractor shall indemnify and save harmless the Owner and Consultant and their officers or agents, from all losses, damages, costs, expenses, judgments or decrees arising out of such action.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

ARCH SOLAR C&I
THE ENERGY EXPERTS

Prepared For

Ozaukee County Buildings
262 284 8324
jwittek@co.ozaukee.wi.us



Industry Leader

Arch Solar C&I is one of the most respected Energy Management companies in Wisconsin. Our company leaders are active instructors, inspectors, and consultants to many of the leading energy groups, including: Focus on Energy, Midwest Renewable Energy Association, North American Board of Certified Energy Practitioners, Wisconsin Sustainable Business Council, MMAC, Lakeshore Technical College, Sheboygan Sustainable Living Group, and many others.

Admin Building Solar

Prepared By

6/1/2022

Andrew Holmstrom
920-838-0483
andrew@archelec.com



Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

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5 Arch Solar C&I: Commercial References ---- 14

The following proposal was created specifically for Ozaukee County Buildings, the proposal includes Arch Solar C&I's specific Trade Secrets that are confidential to Arch Solar C&I's employees and staff. This proposal should only be viewed by Ozaukee County Buildings employees and should not be divulged to outside resources without Arch Solar C&I's express written consent. Pursuant to Wisconsin Statute 19.36, please see below. This quote price is valid for 21 days.

WI Statute 19.36 Limitation upon access and withholding

(5) Trade secrets. An authority may withhold access to any record or portion of a record containing information qualifying as a trade secret as defined in s. 134.90 (1) (c).

134.90 Uniform Trade Secrets act

(1)(c) "Trade secret" means information, including a formula, pattern, compilation, program, device, method, technique or process to which all of the following apply:

1. The information derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.

2. The information is the subject of efforts to maintain its secrecy that are reasonable under the circumstances.

Any violation will be pursued to the fullest extent of the law.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

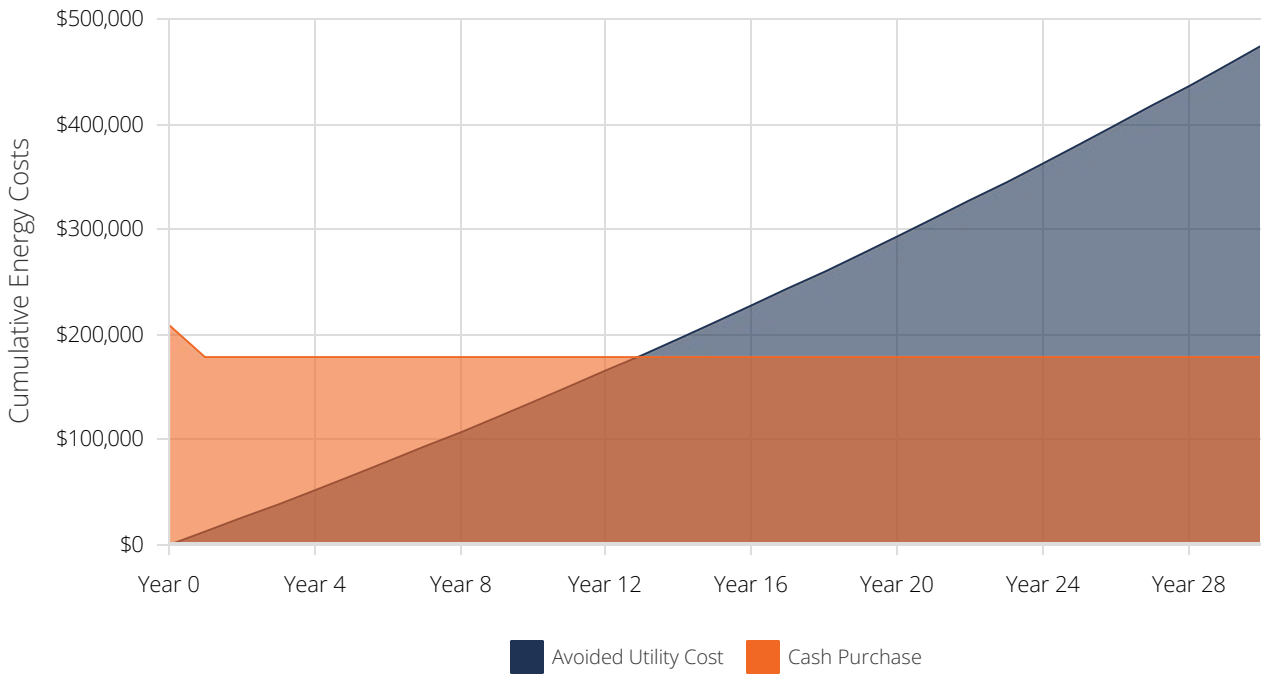
1 Project Summary

Payment Options	Cash Purchase
IRR - Term	7.1%
LCOE PV Generation	$0.052 /kWh
Net Present Value	$50,877
Payback Period	12.9 Years
Total Payments	$209,083
Total Incentives	$30,525
Net Payments	$178,558
Electric Bill Savings - Term	$474,410
Upfront Payment	$209,083

Combined Solar PV Rating
Power Rating: 98,100 W-DC
Power Rating: 67.3 kW-AC

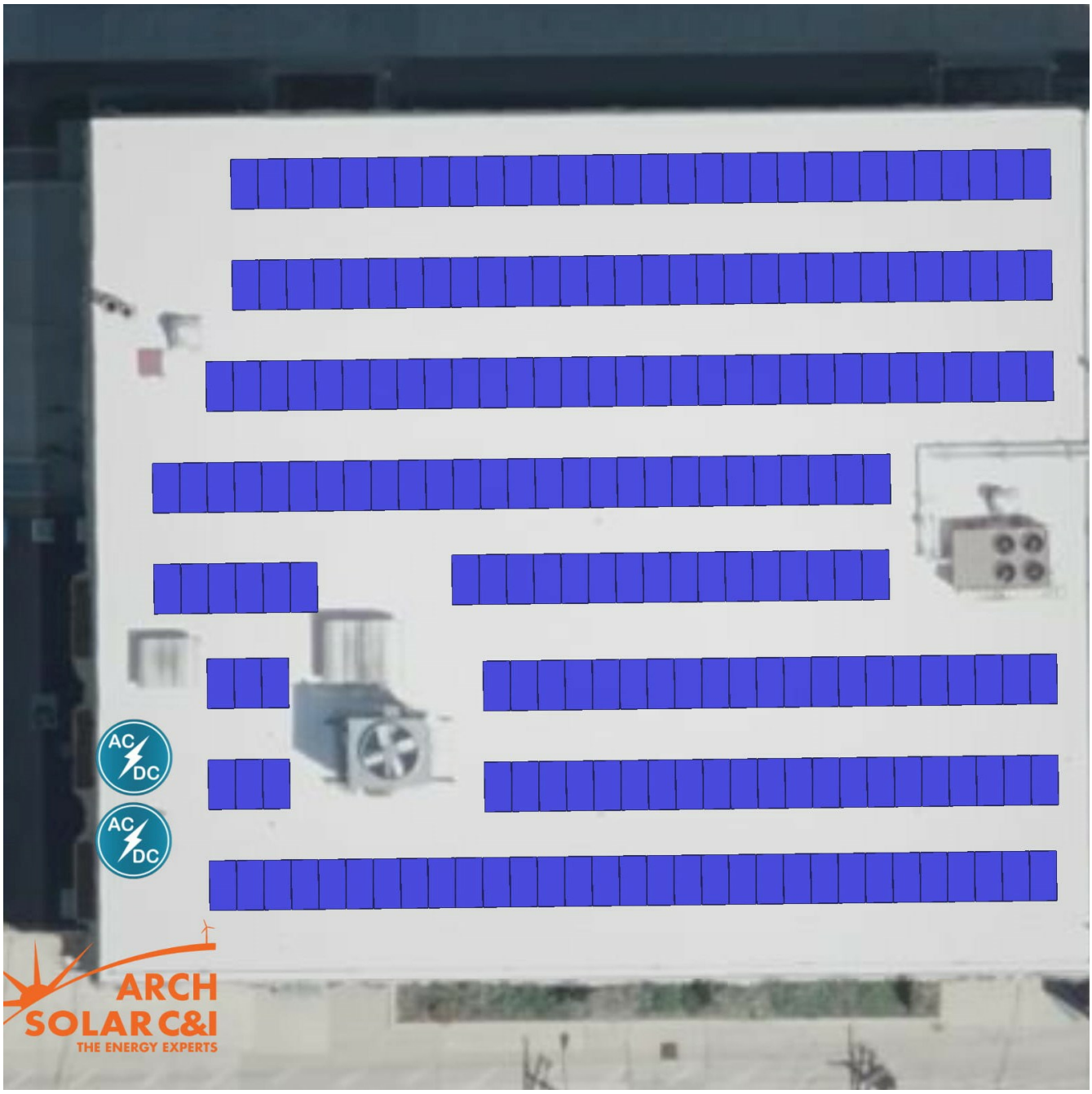
Combined ESS Ratings
Energy Capacity: 0.0 kWh
Power Rating: 0.0 kW

Cumulative Energy Costs By Payment Option



Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

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Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

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Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.1.1 PV System Details

General Information
Facility: Admin Building
Address: 121 W Main St Port Washington WI 53074

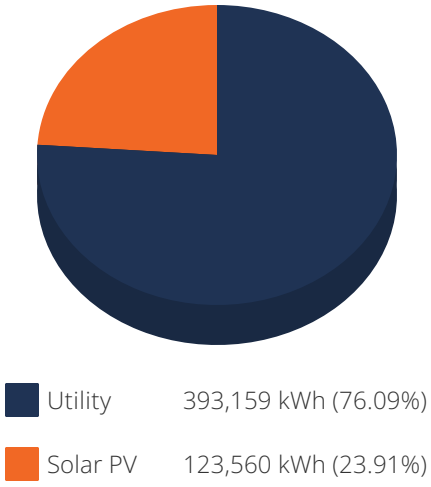
Solar PV Equipment Description
Solar Panels: (218) Znshine Solar ZXM6-NHLDD144-450/M
Inverters: (1) SolarEdge SE50KUS, (1) SolarEdge SE17.3KUS (2021)

Solar PV Equipment Typical Lifespan
Solar Panels: Greater than 30 Years
Inverters: 15 Years

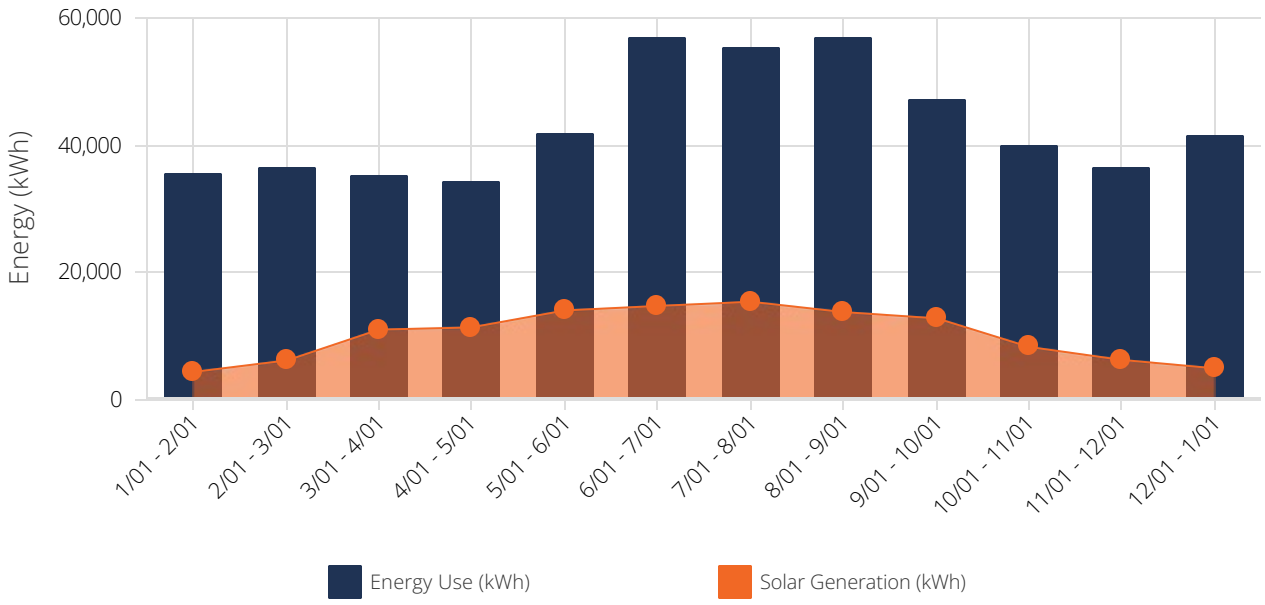
Solar PV System Cost and Incentives	
Solar PV System Cost	$209,083
Incentive Amount	-$30,525
Net Solar PV System Cost	**$178,558**

Solar PV System Rating
Power Rating: 98,100 W-DC
Power Rating: 67,300.0 W-AC

Energy Consumption Mix
Annual Energy Use: 516,719 kWh



Monthly Energy Use vs Solar Generation



Prepared By: Andrew Holmstrom
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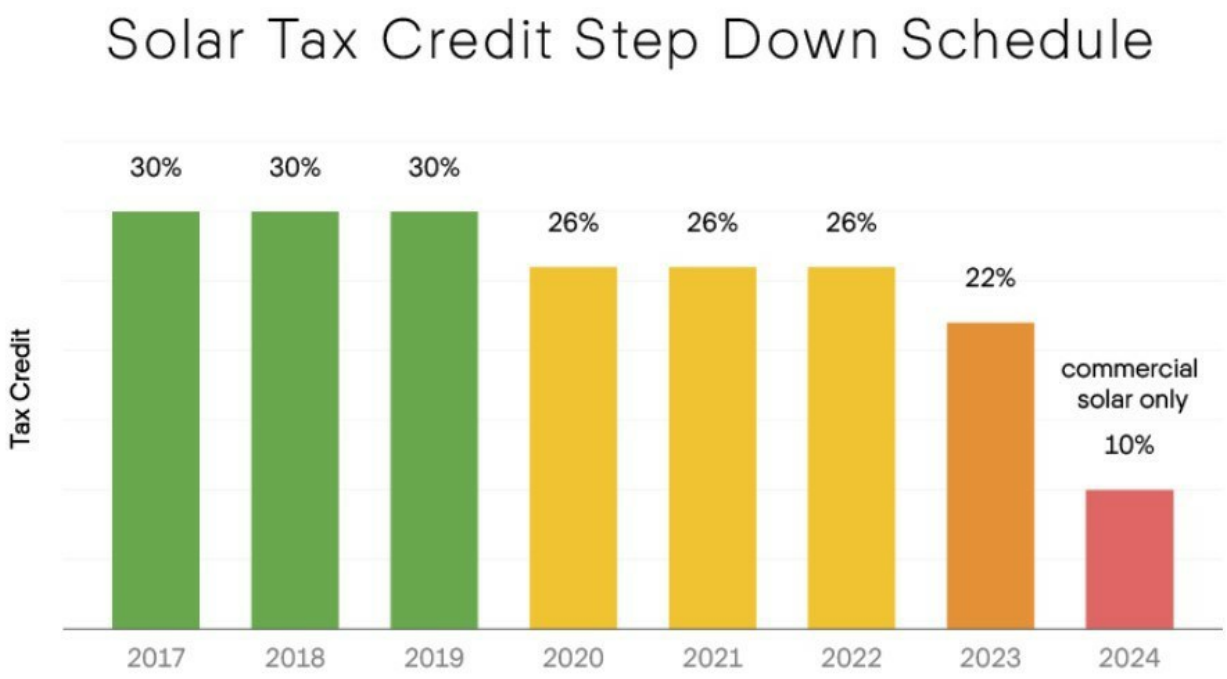
2.1.2 Rebates and Incentives

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.

FOE Special Sector Solar PV Incentive

This incentive helps organizations that do not qualify for the solar investment tax credit (ITC) to offset the cost of installing solar electric systems. The table below provides an incentive overview, and additional details can be found at focusonenergy.com/solar. We are excited to introduce a new Special Sector Solar Incentive for nonprofits, schools, government and Native American tribes and nations that goes into effect September 1, 2021.

Total Incentive Value: $30,525



2018 Tax Reform

"The corporate tax reduction from 35% down to 21% has enabled companies to invest these savings into expense-reducing assets, such as solar energy. For example, with a proposed net investment of $200,000, a company with approximately $1.1 million of taxable income could pay for the entire solar investment in 2 years."
Example: $200,000(net project investment)
Yr 1: $1.1 million taxable income $100,000 (savings from 9% tax reduction)
Yr 2: $1.1 million taxable income $100,000 (savings from 9% tax reduction)

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Sales Tax Exemption
Solar PV (photovoltaic) installations are exempt from paying Wisconsin state sales tax.

Property Tax Exemption
Solar PV (photovoltaic) installations are exempt from increasing property taxes.

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2.1.3 Utility Rates

The table below shows the rates associate with your current utility rate schedule (CG-3). Your estimated electric bills after solar are shown on the following page.

Customer Charges				Energy Charges				Demand Charges			
Season	Charge Type	Rate Type	CG-3	Season	Charge Type	Rate Type	CG-3	Season	Charge Type	Rate Type	CG-3
S1	Flat Rate	per day	$2.00	S1	On Peak	Import	$0.07957	S1	Flat Rate	Import	$2.55
				S1	Off Peak	Import	$0.0591	S1	On Peak	Import	$15.18

2.1.4 Current Electric Bill

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

Rate Schedule: WE - CG-3

Time Periods	Energy Use (kWh)		Max Demand (kW)		Charges			
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	Energy	Demand	Total
1/1/2022 - 2/1/2022 S1	17,458	18,027	228	110	$62	$2,455	$2,298	$4,814
2/1/2022 - 3/1/2022 S1	17,566	18,744	228	106	$56	$2,506	$2,237	$4,798
3/1/2022 - 4/1/2022 S1	18,082	17,033	228	107	$62	$2,445	$2,252	$4,759
4/1/2022 - 5/1/2022 S1	18,034	16,342	228	114	$60	$2,401	$2,358	$4,819
5/1/2021 - 6/1/2021 S1	20,831	20,858	228	225	$62	$2,890	$4,044	$6,996
6/1/2021 - 7/1/2021 S1	30,638	26,210	246	246	$60	$3,987	$4,363	$8,409
7/1/2021 - 8/1/2021 S1	29,249	25,966	246	201	$62	$3,862	$3,679	$7,603
8/1/2021 - 9/1/2021 S1	30,593	26,130	246	227	$62	$3,979	$4,074	$8,115
9/1/2021 - 10/1/2021 S1	26,256	20,948	246	195	$60	$3,327	$3,588	$6,975
10/1/2021 - 11/1/2021 S1	20,313	19,486	246	156	$62	$2,768	$2,996	$5,826
11/1/2021 - 12/1/2021 S1	18,837	17,684	246	126	$60	$2,544	$2,540	$5,144
12/1/2021 - 1/1/2022 S1	20,428	21,005	246	118	$62	$2,867	$2,419	$5,348
Total	268,285	248,433	-	-	$730	$36,030	$36,848	$73,608

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.1.5 New Electric Bill

Rate Schedule: WE - CG-3

Time Periods	Energy Use (kWh)		Max Demand (kW)		Charges			
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	Energy	Demand	Total
1/1/2022 - 2/1/2022 S1	14,698	16,392	228	107	$62	$2,138	$2,252	$4,452
2/1/2022 - 3/1/2022 S1	13,813	16,281	228	90	$56	$2,061	$1,994	$4,111
3/1/2022 - 4/1/2022 S1	10,449	13,611	228	88	$62	$1,636	$1,963	$3,661
4/1/2022 - 5/1/2022 S1	11,073	11,909	227	96	$60	$1,585	$2,085	$3,730
5/1/2021 - 6/1/2021 S1	12,128	15,496	192	192	$62	$1,881	$3,543	$5,485
6/1/2021 - 7/1/2021 S1	20,512	21,570	192	191	$60	$2,907	$3,527	$6,494
7/1/2021 - 8/1/2021 S1	19,341	20,445	212	193	$62	$2,747	$3,558	$6,367
8/1/2021 - 9/1/2021 S1	21,318	21,592	211	186	$62	$2,972	$3,452	$6,486
9/1/2021 - 10/1/2021 S1	17,496	16,891	242	189	$60	$2,390	$3,497	$5,947
10/1/2021 - 11/1/2021 S1	14,748	16,718	246	138	$62	$2,162	$2,723	$4,946
11/1/2021 - 12/1/2021 S1	15,112	15,099	246	117	$60	$2,095	$2,404	$4,559
12/1/2021 - 1/1/2022 S1	16,675	19,791	246	97	$62	$2,496	$2,100	$4,659
Total	187,363	205,795	-	-	$730	$27,071	$33,097	$60,898

Annual Electricity Savings: $12,709

Prepared By: Andrew Holmstrom
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Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

3.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	7.1%	Net Present Value	$50,877	Payback Period	12.9 Years
ROI	141.5%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$209,083				

Years	Cash			Total Cash Flow	Cumulative Cash Flow
	Project Costs	Incentive Amount	Electric Bill Savings		
Upfront	-$209,083	-	-	-$209,083	-$209,083
1	-	$30,525	$12,709	$43,234	-$165,849
2	-	-	$12,899	$12,899	-$152,950
3	-	-	$13,091	$13,091	-$139,859
4	-	-	$13,285	$13,285	-$126,575
5	-	-	$13,482	$13,482	-$113,093
6	-	-	$13,681	$13,681	-$99,411
7	-	-	$13,883	$13,883	-$85,528
8	-	-	$14,088	$14,088	-$71,440
9	-	-	$14,295	$14,295	-$57,145
10	-	-	$14,505	$14,505	-$42,639
11	-	-	$14,718	$14,718	-$27,921
12	-	-	$14,933	$14,933	-$12,988
13	-	-	$15,151	$15,151	$2,163
14	-	-	$15,372	$15,372	$17,536
15	-	-	$15,596	$15,596	$33,131
16	-	-	$15,822	$15,822	$48,954
17	-	-	$16,051	$16,051	$65,005
18	-	-	$16,283	$16,283	$81,288
19	-	-	$16,518	$16,518	$97,807
20	-	-	$16,756	$16,756	$114,563
21	-	-	$16,997	$16,997	$131,560
22	-	-	$17,240	$17,240	$148,800
23	-	-	$17,487	$17,487	$166,287
24	-	-	$17,737	$17,737	$184,024
25	-	-	$17,989	$17,989	$202,013
26	-	-	$18,245	$18,245	$220,258
27	-	-	$18,503	$18,503	$238,761
28	-	-	$18,765	$18,765	$257,525
29	-	-	$19,029	$19,029	$276,555
30	-	-	$19,297	$19,297	$295,852
Totals:	-$209,083	$30,525	$474,410	$295,852	-

Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

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4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	7.1%	Net Present Value	$50,877	Payback Period	12.9 Years
ROI	141.5%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$209,083				

Years	Upfront	1	2	3	4	5	6	7	8	9	10	11	12
Cash													
Project Costs	-$209,083	-	-	-	-	-	-	-	-	-	-	-	-
Incentive Amount	-	$30,525	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	-	$12,709	$12,899	$13,091	$13,285	$13,482	$13,681	$13,883	$14,088	$14,295	$14,505	$14,718	$14,933
Cash Total	-$209,083	$43,234	$12,899	$13,091	$13,285	$13,482	$13,681	$13,883	$14,088	$14,295	$14,505	$14,718	$14,933
Total Cash Flow	-$209,083	$43,234	$12,899	$13,091	$13,285	$13,482	$13,681	$13,883	$14,088	$14,295	$14,505	$14,718	$14,933
Cumulative Cash Flow	-$209,083	-$165,849	-$152,950	-$139,859	-$126,575	-$113,093	-$99,411	-$85,528	-$71,440	-$57,145	-$42,639	-$27,921	-$12,988

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4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	7.1%	Net Present Value	$50,877	Payback Period	12.9 Years
ROI	141.5%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$209,083				

Years	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Cash														
Project Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive Amount	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	$15,151	$15,372	$15,596	$15,822	$16,051	$16,283	$16,518	$16,756	$16,997	$17,240	$17,487	$17,737	$17,989	$18,245
Cash Total	$15,151	$15,372	$15,596	$15,822	$16,051	$16,283	$16,518	$16,756	$16,997	$17,240	$17,487	$17,737	$17,989	$18,245
Total Cash Flow	$15,151	$15,372	$15,596	$15,822	$16,051	$16,283	$16,518	$16,756	$16,997	$17,240	$17,487	$17,737	$17,989	$18,245
Cumulative Cash Flow	$2,163	$17,536	$33,131	$48,954	$65,005	$81,288	$97,807	$114,563	$131,560	$148,800	$166,287	$184,024	$202,013	$220,258

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4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	7.1%	Net Present Value	$50,877	Payback Period	12.9 Years
ROI	141.5%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$209,083				

Years	27	28	29	30	Totals
Cash					
Project Costs	-	-	-	-	-$209,083
Incentive Amount	-	-	-	-	$30,525
Electric Bill Savings	$18,503	$18,765	$19,029	$19,297	$474,410
Cash Total	$18,503	$18,765	$19,029	$19,297	$295,852
Total Cash Flow	$18,503	$18,765	$19,029	$19,297	$295,852
Cumulative Cash Flow	$238,761	$257,525	$276,555	$295,852	-

Prepared By: Andrew Holmstrom
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5 Arch Solar C&I: Commercial References



References

Mike Nicholson, President of Ampco Pumps
Phone: (414) 643-1852 ext. 125

Ty Weinhold, Chief Operating Officer at Viking Masek
Phone: (920) 564-5331

Bob Travis, President of InkWorks Printing
Phone: (414) 430-2635

John Edlebeck P.E. Director of Public Works, Village of Whitefish Bay
Phone: (414) 962-6690 ext. 114

Ken Manninen, President of Alliance Manufacturing, Inc.
Phone: (920) 922-8100

Larry Bierke, Iowa County Administrator
Phone: (608) 935-0318

Don Marx, President of Milwaukee Plate Glass Company
Phone: (414) 771-5660

Out of courtesy, please let us know if you'd like to call one of our references to discuss their solar system. We will call ahead and make sure that they are aware of an incoming call.

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ARCH SOLAR C&I
THE ENERGY EXPERTS

Prepared For

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Industry Leader

Arch Solar C&I is one of the most respected Energy Management companies in Wisconsin. Our company leaders are active instructors, inspectors, and consultants to many of the leading energy groups, including: Focus on Energy, Midwest Renewable Energy Association, North American Board of Certified Energy Practitioners, Wisconsin Sustainable Business Council, MMAC, Lakeshore Technical College, Sheboygan Sustainable Living Group, and many others.

Justice Center Solar

Prepared By

6/1/2022

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Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

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WI Statute 19.36 Limitation upon access and withholding

(5) Trade secrets. An authority may withhold access to any record or portion of a record containing information qualifying as a trade secret as defined in s. 134.90 (1) (c).

134.90 Uniform Trade Secrets act

(1)(c) "Trade secret" means information, including a formula, pattern, compilation, program, device, method, technique or process to which all of the following apply:

1. The information derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.

2. The information is the subject of efforts to maintain its secrecy that are reasonable under the circumstances.

Any violation will be pursued to the fullest extent of the law.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

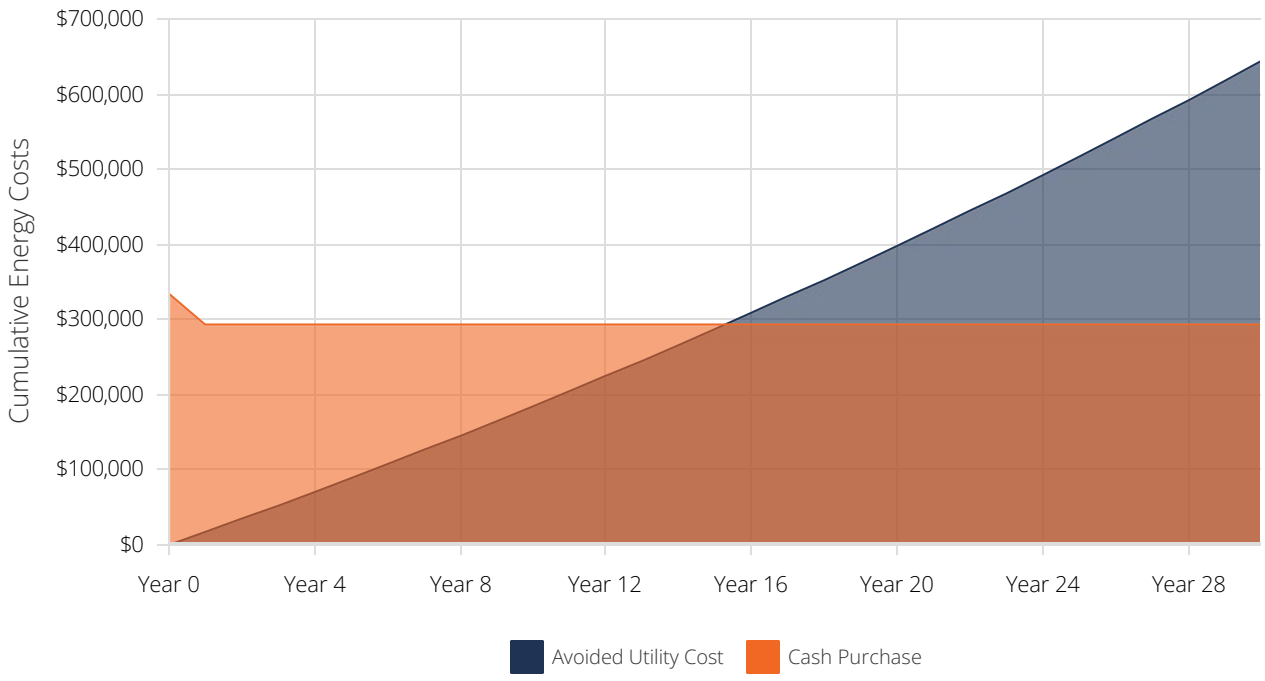
1 Project Summary

Payment Options	Cash Purchase
IRR - Term	5.5%
LCOE PV Generation	$0.055 /kWh
Net Present Value	$18,033
Payback Period	15.3 Years
Total Payments	$334,369
Total Incentives	$40,908
Net Payments	$293,462
Electric Bill Savings - Term	$644,035
Upfront Payment	$334,369

Combined Solar PV Rating
Power Rating: 166,050 W-DC
Power Rating: 120.0 kW-AC

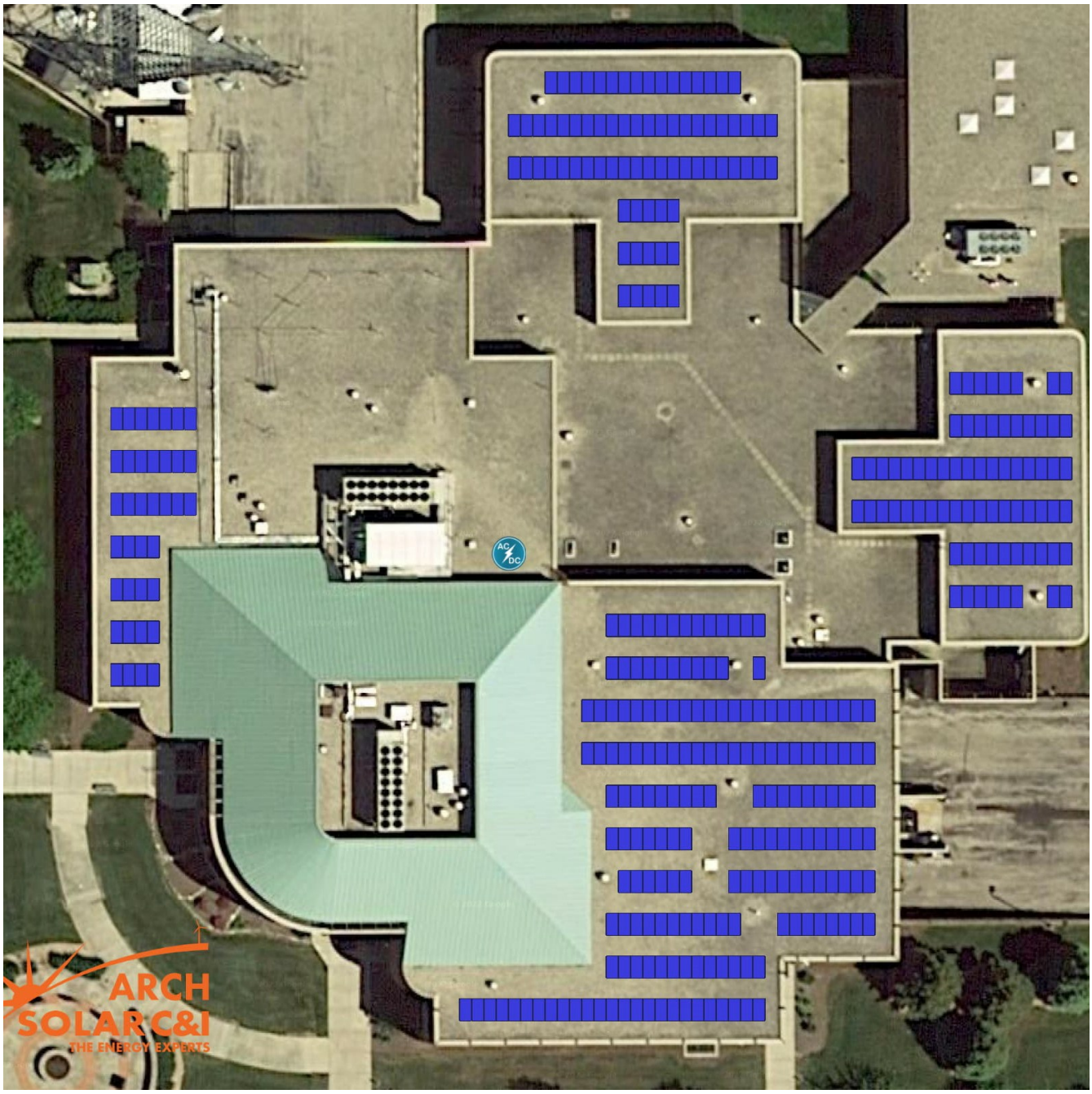
Combined ESS Ratings
Energy Capacity: 0.0 kWh
Power Rating: 0.0 kW

Cumulative Energy Costs By Payment Option



Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,



Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

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Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.1.1 PV System Details

General Information
Facility: Justice Center
Address: 1201 S Spring St Port Washington WI 53074

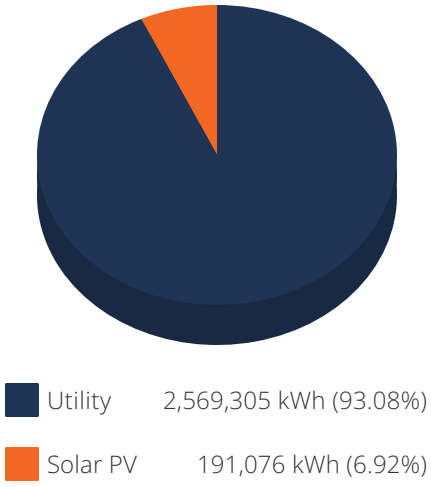
Solar PV Equipment Description
Solar Panels: (369) Znshine Solar ZXM6-NHLDD144-450/M
Inverters: (1) SolarEdge SE120KUS

Solar PV Equipment Typical Lifespan
Solar Panels: Greater than 30 Years
Inverters: 15 Years

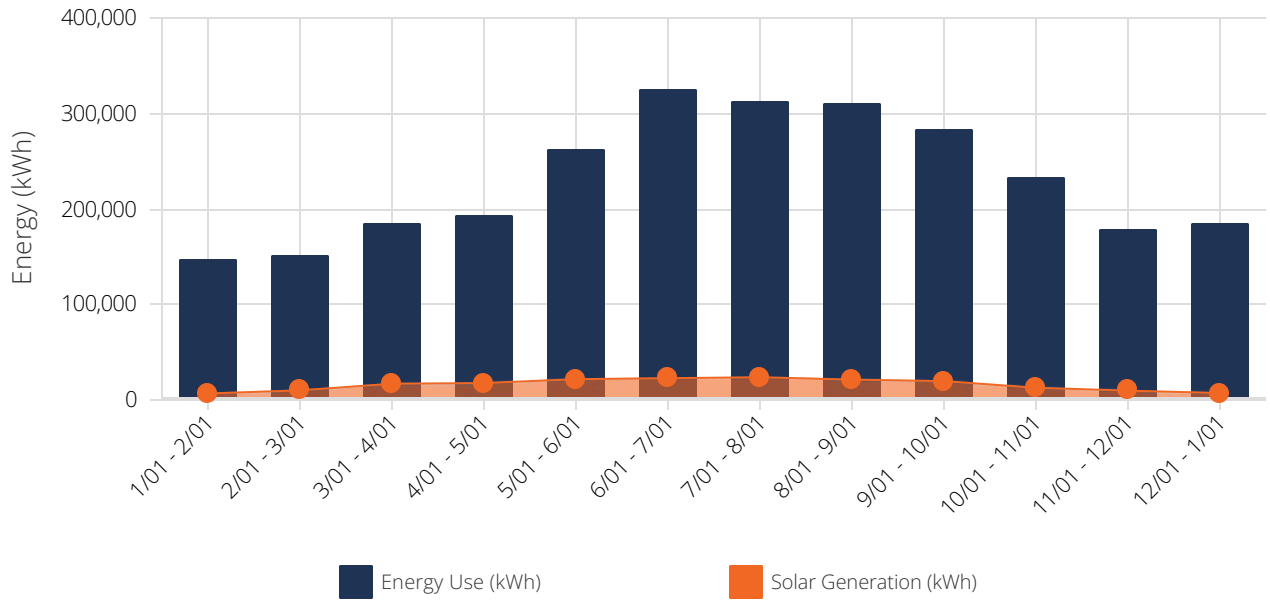
Solar PV System Cost and Incentives	
Solar PV System Cost	$334,369
Incentive Amount	-$40,908
Net Solar PV System Cost	**$293,462**

Solar PV System Rating
Power Rating: 166,050 W-DC
Power Rating: 120,000.0 W-AC

Energy Consumption Mix
Annual Energy Use: 2,760,381 kWh



Monthly Energy Use vs Solar Generation



Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

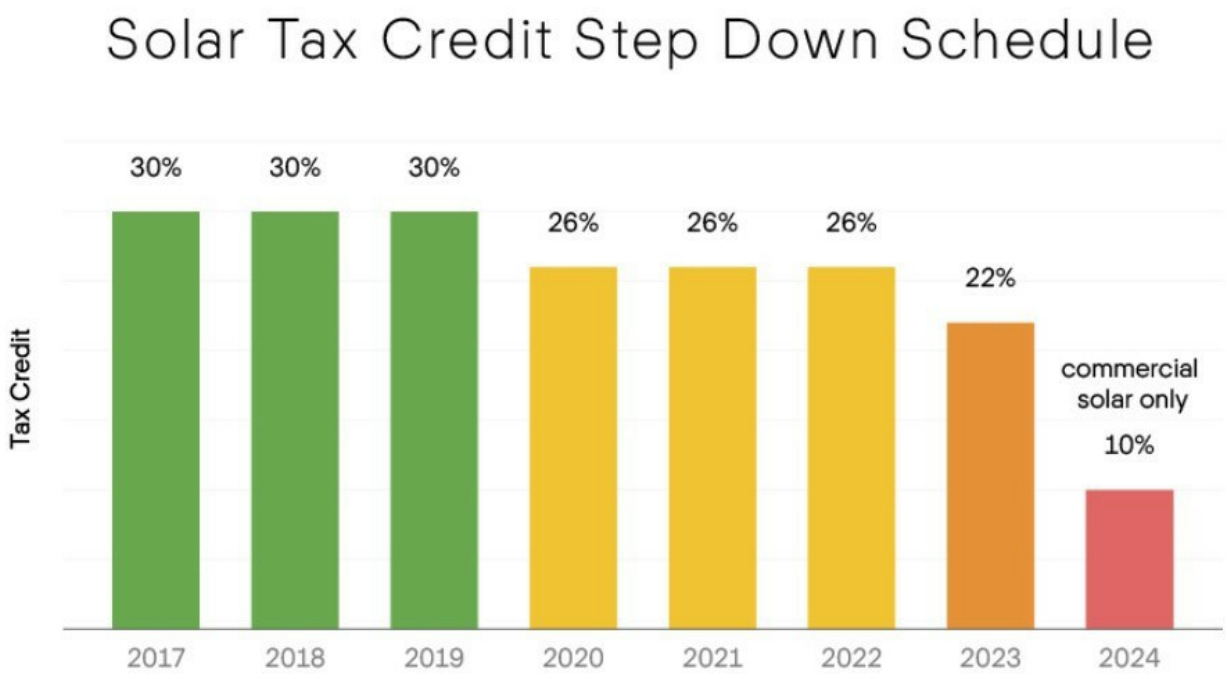
2.1.2 Rebates and Incentives

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.

FOE Special Sector Solar PV Incentive

This incentive helps organizations that do not qualify for the solar investment tax credit (ITC) to offset the cost of installing solar electric systems. The table below provides an incentive overview, and additional details can be found at focusonenergy.com/solar. We are excited to introduce a new Special Sector Solar Incentive for nonprofits, schools, government and Native American tribes and nations that goes into effect September 1, 2021.

Total Incentive Value: $40,908



2018 Tax Reform

"The corporate tax reduction from 35% down to 21% has enabled companies to invest these savings into expense-reducing assets, such as solar energy. For example, with a proposed net investment of $200,000, a company with approximately $1.1 million of taxable income could pay for the entire solar investment in 2 years."
Example: $200,000(net project investment)
Yr 1: $1.1 million taxable income $100,000 (savings from 9% tax reduction)
Yr 2: $1.1 million taxable income $100,000 (savings from 9% tax reduction)

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

Sales Tax Exemption
Solar PV (photovoltaic) installations are exempt from paying Wisconsin state sales tax.

Property Tax Exemption
Solar PV (photovoltaic) installations are exempt from increasing property taxes.

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Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

2.1.3 Utility Rates

The table below shows the rates associate with your current utility rate schedule (CG-3). Your estimated electric bills after solar are shown on the following page.

Customer Charges				Energy Charges				Demand Charges			
Season	Charge Type	Rate Type	CG-3	Season	Charge Type	Rate Type	CG-3	Season	Charge Type	Rate Type	CG-3
S1	Flat Rate	per day	$2.00	S1	On Peak	Import	$0.07957	S1	Flat Rate	Import	$2.55
				S1	Off Peak	Import	$0.0591	S1	On Peak	Import	$15.18

2.1.4 Current Electric Bill

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

Rate Schedule: WE - CG-3

Time Periods	Energy Use (kWh)		Max Demand (kW)		Charges			
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	Energy	Demand	Total
1/1/2022 - 2/1/2022 S1	59,317	86,990	654	317	$62	$9,861	$6,616	$16,539
2/1/2022 - 3/1/2022 S1	61,552	88,225	654	420	$56	$10,112	$8,180	$18,348
3/1/2022 - 4/1/2022 S1	81,207	102,884	654	509	$62	$12,542	$9,532	$22,136
4/1/2022 - 5/1/2022 S1	83,486	109,319	654	506	$60	$13,104	$9,486	$22,650
5/1/2021 - 6/1/2021 S1	101,876	159,579	654	566	$62	$17,537	$10,397	$27,996
6/1/2021 - 7/1/2021 S1	134,239	190,962	694	694	$60	$21,967	$12,341	$34,368
7/1/2021 - 8/1/2021 S1	123,305	189,450	694	609	$62	$21,008	$11,050	$32,120
8/1/2021 - 9/1/2021 S1	127,921	181,968	707	707	$62	$20,933	$12,538	$33,533
9/1/2021 - 10/1/2021 S1	119,301	163,268	707	593	$60	$19,142	$10,807	$30,009
10/1/2021 - 11/1/2021 S1	90,007	141,991	707	533	$62	$15,554	$9,896	$25,511
11/1/2021 - 12/1/2021 S1	74,898	103,939	707	473	$60	$12,102	$8,985	$21,147
12/1/2021 - 1/1/2022 S1	74,172	110,525	707	409	$62	$12,434	$8,013	$20,509
Total	1,131,281	1,629,100	-	-	$730	$186,296	$117,840	$304,866

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2.1.5 New Electric Bill

Rate Schedule: WE - CG-3

Time Periods	Energy Use (kWh)		Max Demand (kW)		Charges			
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	Energy	Demand	Total
1/1/2022 - 2/1/2022 S1	55,027	84,453	652	317	$62	$9,370	$6,606	$16,038
2/1/2022 - 3/1/2022 S1	55,458	84,230	649	415	$56	$9,391	$8,094	$17,541
3/1/2022 - 4/1/2022 S1	69,456	97,621	646	503	$62	$11,296	$9,430	$20,788
4/1/2022 - 5/1/2022 S1	72,630	102,438	644	496	$60	$11,833	$9,324	$21,217
5/1/2021 - 6/1/2021 S1	88,376	151,290	642	552	$62	$15,973	$10,174	$26,210
6/1/2021 - 7/1/2021 S1	118,619	183,769	639	639	$60	$20,299	$11,495	$31,854
7/1/2021 - 8/1/2021 S1	107,977	180,912	649	596	$62	$19,284	$10,842	$30,188
8/1/2021 - 9/1/2021 S1	113,622	174,962	609	609	$62	$19,381	$11,040	$30,483
9/1/2021 - 10/1/2021 S1	105,837	156,983	699	584	$60	$17,699	$10,660	$28,419
10/1/2021 - 11/1/2021 S1	81,488	137,702	700	527	$62	$14,622	$9,795	$24,479
11/1/2021 - 12/1/2021 S1	69,096	99,956	698	473	$60	$11,405	$8,975	$20,440
12/1/2021 - 1/1/2022 S1	68,702	108,698	703	409	$62	$11,891	$8,003	$19,956
Total	1,006,288	1,563,014	-	-	$730	$172,444	$114,438	$287,612

Annual Electricity Savings: $17,254

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

3.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	5.5%	Net Present Value	$18,033	Payback Period	15.3 Years
ROI	104.9%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$334,369				

Years	Cash			Total Cash Flow	Cumulative Cash Flow
	Project Costs	Incentive Amount	Electric Bill Savings		
Upfront	-$334,369	-	-	-$334,369	-$334,369
1	-	$40,908	$17,254	$58,161	-$276,208
2	-	-	$17,511	$17,511	-$258,697
3	-	-	$17,771	$17,771	-$240,926
4	-	-	$18,035	$18,035	-$222,891
5	-	-	$18,302	$18,302	-$204,589
6	-	-	$18,573	$18,573	-$186,016
7	-	-	$18,847	$18,847	-$167,169
8	-	-	$19,125	$19,125	-$148,044
9	-	-	$19,407	$19,407	-$128,637
10	-	-	$19,692	$19,692	-$108,945
11	-	-	$19,980	$19,980	-$88,965
12	-	-	$20,273	$20,273	-$68,692
13	-	-	$20,569	$20,569	-$48,123
14	-	-	$20,869	$20,869	-$27,255
15	-	-	$21,172	$21,172	-$6,083
16	-	-	$21,479	$21,479	$15,397
17	-	-	$21,791	$21,791	$37,187
18	-	-	$22,106	$22,106	$59,293
19	-	-	$22,424	$22,424	$81,717
20	-	-	$22,747	$22,747	$104,464
21	-	-	$23,074	$23,074	$127,538
22	-	-	$23,405	$23,405	$150,943
23	-	-	$23,739	$23,739	$174,683
24	-	-	$24,078	$24,078	$198,761
25	-	-	$24,421	$24,421	$223,182
26	-	-	$24,768	$24,768	$247,950
27	-	-	$25,119	$25,119	$273,069
28	-	-	$25,474	$25,474	$298,543
29	-	-	$25,833	$25,833	$324,376
30	-	-	$26,197	$26,197	$350,573
Totals:	-$334,369	$40,908	$644,035	$350,573	-

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	5.5%	Net Present Value	$18,033	Payback Period	15.3 Years
ROI	104.9%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$334,369				

Years	Upfront	1	2	3	4	5	6	7	8	9	10	11	12
Cash													
Project Costs	-$334,369	-	-	-	-	-	-	-	-	-	-	-	-
Incentive Amount	-	$40,908	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	-	$17,254	$17,511	$17,771	$18,035	$18,302	$18,573	$18,847	$19,125	$19,407	$19,692	$19,980	$20,273
Cash Total	-$334,369	$58,161	$17,511	$17,771	$18,035	$18,302	$18,573	$18,847	$19,125	$19,407	$19,692	$19,980	$20,273
Total Cash Flow	-$334,369	$58,161	$17,511	$17,771	$18,035	$18,302	$18,573	$18,847	$19,125	$19,407	$19,692	$19,980	$20,273
Cumulative Cash Flow	-$334,369	-$276,208	-$258,697	-$240,926	-$222,891	-$204,589	-$186,016	-$167,169	-$148,044	-$128,637	-$108,945	-$88,965	-$68,692

Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	5.5%	Net Present Value	$18,033	Payback Period	15.3 Years
ROI	104.9%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$334,369				

Years	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Cash														
Project Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive Amount	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	$20,569	$20,869	$21,172	$21,479	$21,791	$22,106	$22,424	$22,747	$23,074	$23,405	$23,739	$24,078	$24,421	$24,768
Cash Total	$20,569	$20,869	$21,172	$21,479	$21,791	$22,106	$22,424	$22,747	$23,074	$23,405	$23,739	$24,078	$24,421	$24,768
Total Cash Flow	$20,569	$20,869	$21,172	$21,479	$21,791	$22,106	$22,424	$22,747	$23,074	$23,405	$23,739	$24,078	$24,421	$24,768
Cumulative Cash Flow	-$48,123	-$27,255	-$6,083	$15,397	$37,187	$59,293	$81,717	$104,464	$127,538	$150,943	$174,683	$198,761	$223,182	$247,950

Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	5.5%	Net Present Value	$18,033	Payback Period	15.3 Years
ROI	104.9%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$334,369				

Years	27	28	29	30	Totals
Cash					
Project Costs	-	-	-	-	-$334,369
Incentive Amount	-	-	-	-	$40,908
Electric Bill Savings	$25,119	$25,474	$25,833	$26,197	$644,035
Cash Total	$25,119	$25,474	$25,833	$26,197	$350,573
Total Cash Flow	$25,119	$25,474	$25,833	$26,197	$350,573
Cumulative Cash Flow	$273,069	$298,543	$324,376	$350,573	-

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

5 Arch Solar C&I: Commercial References



References

Mike Nicholson, President of Ampco Pumps
Phone: (414) 643-1852 ext. 125

Ty Weinhold, Chief Operating Officer at Viking Masek
Phone: (920) 564-5331

Bob Travis, President of InkWorks Printing
Phone: (414) 430-2635

John Edlebeck P.E. Director of Public Works, Village of Whitefish Bay
Phone: (414) 962-6690 ext. 114

Ken Manninen, President of Alliance Manufacturing, Inc.
Phone: (920) 922-8100

Larry Bierke, Iowa County Administrator
Phone: (608) 935-0318

Don Marx, President of Milwaukee Plate Glass Company
Phone: (414) 771-5660

Out of courtesy, please let us know if you'd like to call one of our references to discuss their solar system. We will call ahead and make sure that they are aware of an incoming call.

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Highway Department Solar

Prepared For

Ozaukee County Buildings
262 284 8324
jwittek@co.ozaukee.wi.us



Industry Leader

Arch Solar C&I is one of the most respected Energy Management companies in Wisconsin. Our company leaders are active instructors, inspectors, and consultants to many of the leading energy groups, including: Focus on Energy, Midwest Renewable Energy Association, North American Board of Certified Energy Practitioners, Wisconsin Sustainable Business Council, MMAC, Lakeshore Technical College, Sheboygan Sustainable Living Group, and many others.

Prepared By

Andrew Holmstrom
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6/1/2022



Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

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4 Detailed Cash Flow Analysis ---- 11

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5 Arch Solar C&I: Commercial References ---- 14

The following proposal was created specifically for Ozaukee County Buildings, the proposal includes Arch Solar C&I's specific Trade Secrets that are confidential to Arch Solar C&I's employees and staff. This proposal should only be viewed by Ozaukee County Buildings employees and should not be divulged to outside resources without Arch Solar C&I's express written consent. Pursuant to Wisconsin Statute 19.36, please see below. This quote price is valid for 21 days.

WI Statute 19.36 Limitation upon access and withholding

(5) Trade secrets. An authority may withhold access to any record or portion of a record containing information qualifying as a trade secret as defined in s. 134.90 (1) (c).

134.90 Uniform Trade Secrets act

(1)(c) "Trade secret" means information, including a formula, pattern, compilation, program, device, method, technique or process to which all of the following apply:

1. The information derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use.

2. The information is the subject of efforts to maintain its secrecy that are reasonable under the circumstances.

Any violation will be pursued to the fullest extent of the law.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

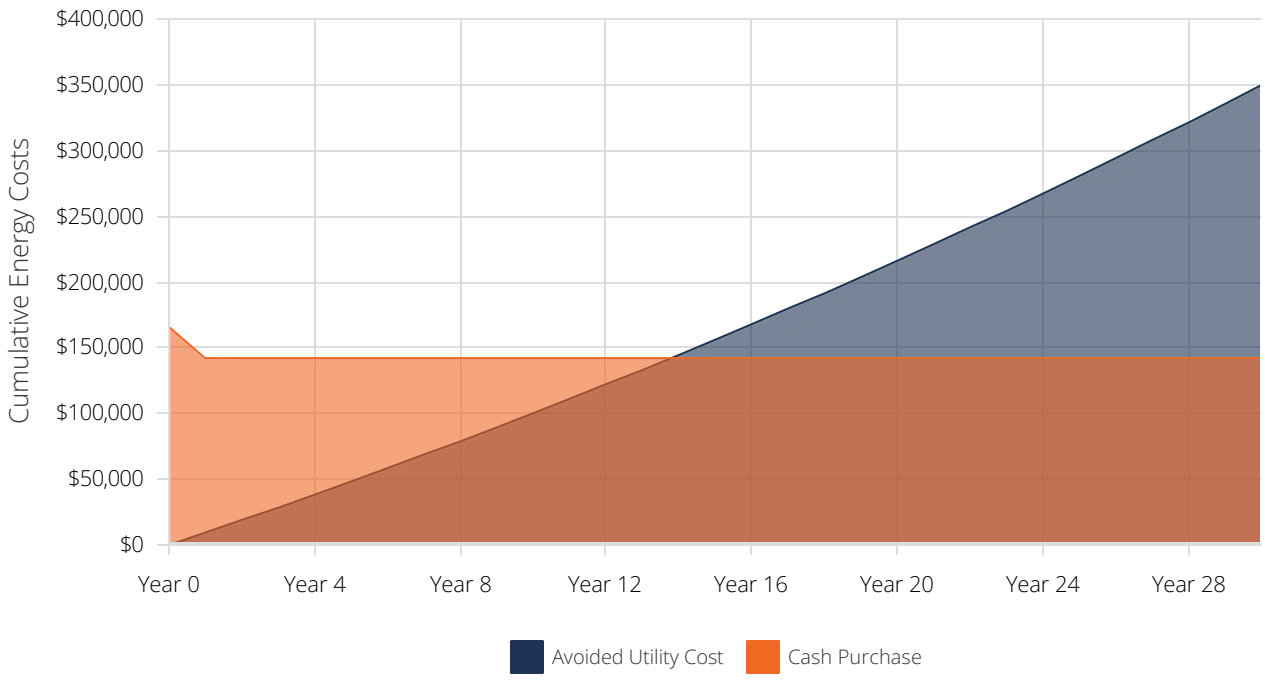
1 Project Summary

Payment Options	Cash Purchase
IRR - Term	6.4%
LCOE PV Generation	$0.062 /kWh
Net Present Value	$26,897
Payback Period	13.8 Years
Total Payments	$165,798
Total Incentives	$23,663
Net Payments	$142,136
Electric Bill Savings - Term	$349,629
Upfront Payment	$165,798

Combined Solar PV Rating
Power Rating: 70,650 W-DC
Power Rating: 57.0 kW-AC

Combined ESS Ratings
Energy Capacity: 0.0 kWh
Power Rating: 0.0 kW

Cumulative Energy Costs By Payment Option



Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

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ARCH SOLAR C&I THE ENERGY EXPERTS

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.1.1 PV System Details

General Information
Facility: HWY Dept - Single Phase
Address: 121 W Main St Port Washington WI 53074

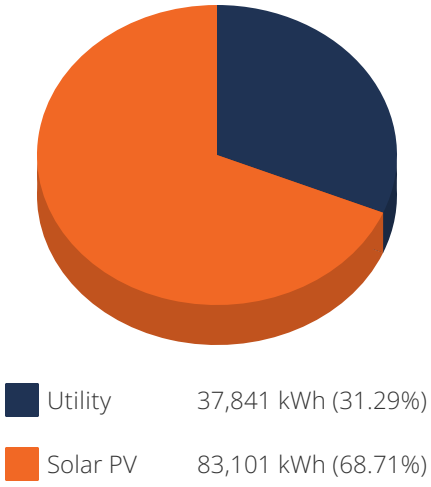
Solar PV Equipment Description
Solar Panels: (157) Znshine Solar ZXM6-NHLDD144-450/M
Inverters: (5) SolarEdge SE11400A-US (240V)

Solar PV Equipment Typical Lifespan
Solar Panels: Greater than 30 Years
Inverters: 15 Years

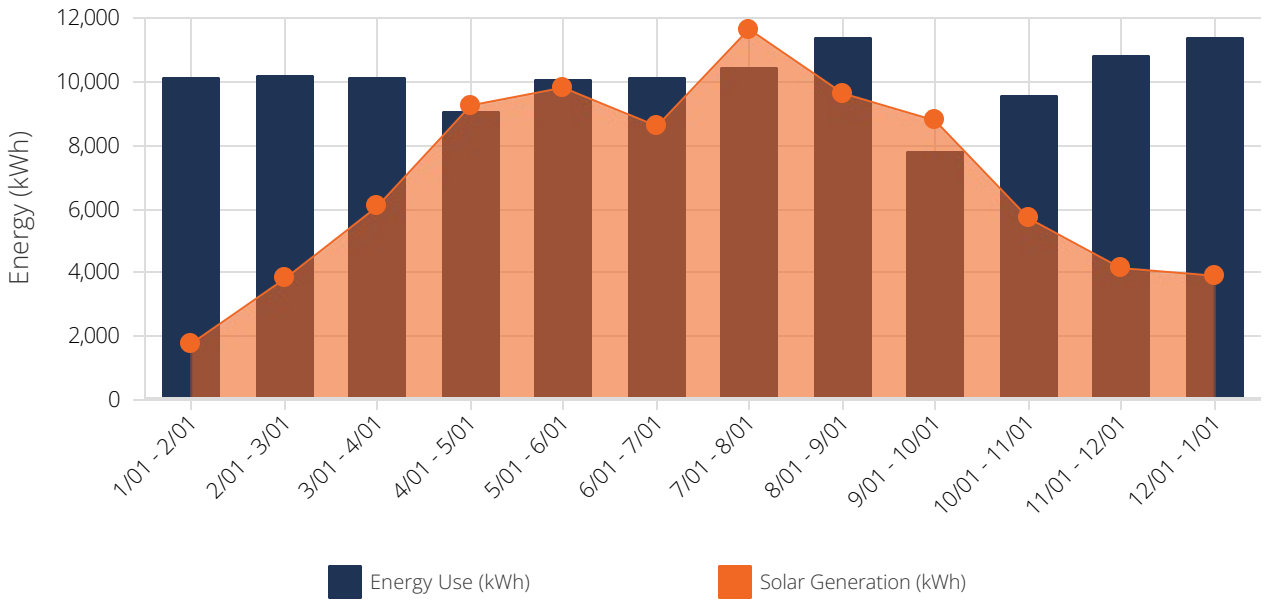
Solar PV System Cost and Incentives	
Solar PV System Cost	$165,798
Incentive Amount	-$23,663
Net Solar PV System Cost	**$142,136**

Solar PV System Rating
Power Rating: 70,650 W-DC
Power Rating: 56,950.0 W-AC

Energy Consumption Mix
Annual Energy Use: 120,942 kWh



Monthly Energy Use vs Solar Generation



Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

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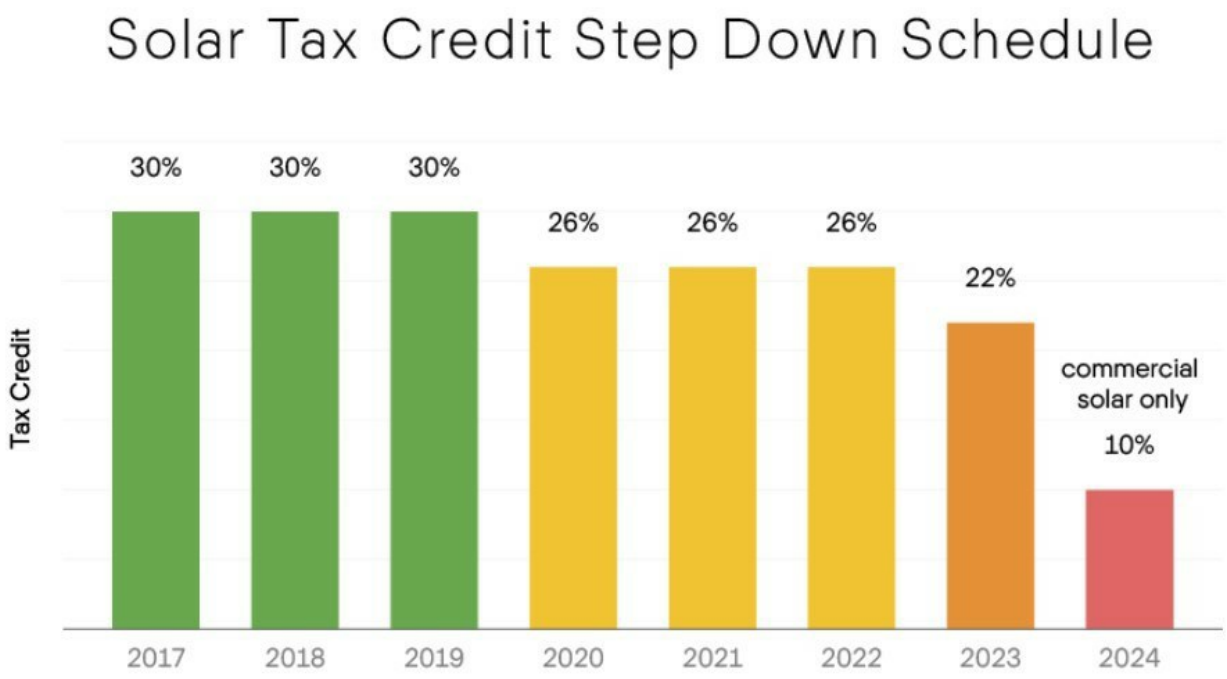
2.1.2 Rebates and Incentives

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.

FOE Special Sector Solar PV Incentive

This incentive helps organizations that do not qualify for the solar investment tax credit (ITC) to offset the cost of installing solar electric systems. The table below provides an incentive overview, and additional details can be found at focusonenergy.com/solar. We are excited to introduce a new Special Sector Solar Incentive for nonprofits, schools, government and Native American tribes and nations that goes into effect September 1, 2021.

Total Incentive Value: $23,663



2018 Tax Reform

"The corporate tax reduction from 35% down to 21% has enabled companies to invest these savings into expense-reducing assets, such as solar energy. For example, with a proposed net investment of $200,000, a company with approximately $1.1 million of taxable income could pay for the entire solar investment in 2 years."
Example: $200,000(net project investment)
Yr 1: $1.1 million taxable income $100,000 (savings from 9% tax reduction)
Yr 2: $1.1 million taxable income $100,000 (savings from 9% tax reduction)

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

Sales Tax Exemption
Solar PV (photovoltaic) installations are exempt from paying Wisconsin state sales tax.

Property Tax Exemption
Solar PV (photovoltaic) installations are exempt from increasing property taxes.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.1.3 Utility Rates

The table below shows the rates associate with your current utility rate schedule (CG-2). Your estimated electric bills after solar are shown on the following page.

Customer Charges				Energy Charges				Demand Charges			
Season	Charge Type	Rate Type	CG-2	Season	Charge Type	Rate Type	CG-2	Season	Charge Type	Rate Type	CG-2
S1	Flat Rate	per day	$1.32	S1	On Peak	Import	$0.11974	S1	Flat Rate	Import	$2.00
				S1	Off Peak	Import	$0.09109	S1	On Peak	Import	$6.86

2.1.4 Current Electric Bill

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

Rate Schedule: WE - CG-2

Time Periods	Energy Use (kWh)		Max Demand (kW)		Charges			
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	Energy	Demand	Total
1/1/2022 - 2/1/2022 S1	4,327	5,758	40	36	$41	$1,043	$331	$1,414
2/1/2022 - 3/1/2022 S1	4,510	5,657	40	39	$37	$1,055	$352	$1,444
3/1/2022 - 4/1/2022 S1	4,640	5,506	40	37	$41	$1,057	$338	$1,436
4/1/2022 - 5/1/2022 S1	4,262	4,766	40	33	$40	$944	$310	$1,294
5/1/2021 - 6/1/2021 S1	4,327	5,758	40	36	$41	$1,043	$331	$1,414
6/1/2021 - 7/1/2021 S1	4,327	5,758	40	36	$40	$1,043	$331	$1,413
7/1/2021 - 8/1/2021 S1	4,797	5,640	42	37	$41	$1,088	$338	$1,467
8/1/2021 - 9/1/2021 S1	5,012	6,385	42	38	$41	$1,182	$345	$1,567
9/1/2021 - 10/1/2021 S1	3,462	4,308	42	32	$40	$807	$304	$1,150
10/1/2021 - 11/1/2021 S1	4,277	5,292	42	22	$41	$994	$235	$1,270
11/1/2021 - 12/1/2021 S1	4,566	6,212	42	25	$40	$1,113	$256	$1,408
12/1/2021 - 1/1/2022 S1	5,012	6,385	42	38	$41	$1,182	$345	$1,567
Total	53,519	67,425	-	-	$482	$12,550	$3,814	$16,846

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

2.1.5 New Electric Bill

Rate Schedule: WE - CG-2

Time Periods	Energy Use (kWh)		Max Demand (kW)		Charges			
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	Energy	Demand	Total
1/1/2022 - 2/1/2022 S1	3,133	5,188	40	34	$41	$848	$317	$1,206
2/1/2022 - 3/1/2022 S1	1,872	4,484	40	27	$37	$633	$269	$939
3/1/2022 - 4/1/2022 S1	85	3,995	40	27	$41	$374	$269	$684
4/1/2022 - 5/1/2022 S1	-1,772	1,545	40	22	$40	$10	$235	$265
5/1/2021 - 6/1/2021 S1	-1,286	1,561	34	29	$41	$0	$283	$324
6/1/2021 - 7/1/2021 S1	-1,148	2,631	33	29	$40	$102	$283	$425
7/1/2021 - 8/1/2021 S1	-2,615	1,403	35	30	$41	$51	$290	$280
8/1/2021 - 9/1/2021 S1	-1,552	3,320	33	31	$41	$117	$297	$454
9/1/2021 - 10/1/2021 S1	-2,535	1,527	35	28	$40	$42	$276	$273
10/1/2021 - 11/1/2021 S1	921	2,951	42	18	$41	$379	$207	$627
11/1/2021 - 12/1/2021 S1	1,510	5,126	42	23	$40	$648	$242	$929
12/1/2021 - 1/1/2022 S1	2,067	5,430	42	30	$41	$742	$290	$1,073
Total	-1,320	39,161	-	-	$482	$3,739	$3,258	$7,479

Annual Electricity Savings: $9,366

Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

3.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	6.4%	Net Present Value	$26,897	Payback Period	13.8 Years
ROI	125.2%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$165,798				

Years	Cash			Total Cash Flow	Cumulative Cash Flow
	Project Costs	Incentive Amount	Electric Bill Savings		
Upfront	-$165,798	-	-	-$165,798	-$165,798
1	-	$23,663	$9,366	$33,029	-$132,769
2	-	-	$9,506	$9,506	-$123,263
3	-	-	$9,647	$9,647	-$113,616
4	-	-	$9,791	$9,791	-$103,825
5	-	-	$9,936	$9,936	-$93,889
6	-	-	$10,083	$10,083	-$83,806
7	-	-	$10,232	$10,232	-$73,575
8	-	-	$10,383	$10,383	-$63,192
9	-	-	$10,535	$10,535	-$52,657
10	-	-	$10,690	$10,690	-$41,967
11	-	-	$10,847	$10,847	-$31,120
12	-	-	$11,005	$11,005	-$20,114
13	-	-	$11,166	$11,166	-$8,948
14	-	-	$11,329	$11,329	$2,381
15	-	-	$11,494	$11,494	$13,874
16	-	-	$11,661	$11,661	$25,535
17	-	-	$11,829	$11,829	$37,364
18	-	-	$12,001	$12,001	$49,365
19	-	-	$12,174	$12,174	$61,539
20	-	-	$12,349	$12,349	$73,887
21	-	-	$12,526	$12,526	$86,414
22	-	-	$12,706	$12,706	$99,120
23	-	-	$12,888	$12,888	$112,007
24	-	-	$13,071	$13,071	$125,078
25	-	-	$13,258	$13,258	$138,336
26	-	-	$13,446	$13,446	$151,782
27	-	-	$13,636	$13,636	$165,418
28	-	-	$13,829	$13,829	$179,247
29	-	-	$14,024	$14,024	$193,272
30	-	-	$14,222	$14,222	$207,493
Totals:	-$165,798	$23,663	$349,629	$207,493	-

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of Solar PV Systems - Admin, Hwy,

4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	6.4%	Net Present Value	$26,897	Payback Period	13.8 Years
ROI	125.2%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$165,798				

Years	Upfront	1	2	3	4	5	6	7	8	9	10	11	12
Cash													
Project Costs	-$165,798	-	-	-	-	-	-	-	-	-	-	-	-
Incentive Amount	-	$23,663	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	-	$9,366	$9,506	$9,647	$9,791	$9,936	$10,083	$10,232	$10,383	$10,535	$10,690	$10,847	$11,005
Cash Total	-$165,798	$33,029	$9,506	$9,647	$9,791	$9,936	$10,083	$10,232	$10,383	$10,535	$10,690	$10,847	$11,005
Total Cash Flow	-$165,798	$33,029	$9,506	$9,647	$9,791	$9,936	$10,083	$10,232	$10,383	$10,535	$10,690	$10,847	$11,005
Cumulative Cash Flow	-$165,798	-$132,769	-$123,263	-$113,616	-$103,825	-$93,889	-$83,806	-$73,575	-$63,192	-$52,657	-$41,967	-$31,120	-$20,114

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	6.4%	Net Present Value	$26,897	Payback Period	13.8 Years
ROI	125.2%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$165,798				

Years	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Cash														
Project Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive Amount	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	$11,166	$11,329	$11,494	$11,661	$11,829	$12,001	$12,174	$12,349	$12,526	$12,706	$12,888	$13,071	$13,258	$13,446
Cash Total	$11,166	$11,329	$11,494	$11,661	$11,829	$12,001	$12,174	$12,349	$12,526	$12,706	$12,888	$13,071	$13,258	$13,446
Total Cash Flow	$11,166	$11,329	$11,494	$11,661	$11,829	$12,001	$12,174	$12,349	$12,526	$12,706	$12,888	$13,071	$13,258	$13,446
Cumulative Cash Flow	-$8,948	$2,381	$13,874	$25,535	$37,364	$49,365	$61,539	$73,887	$86,414	$99,120	$112,007	$125,078	$138,336	$151,782

Prepared By: Andrew Holmstrom
P: 920-838-0483, **E:** andrew@archelec.com

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

4.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	6.4%	Net Present Value	$26,897	Payback Period	13.8 Years
ROI	125.2%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.0%	Federal Income Tax Rate	21.0%	State Income Tax Rate	7.9%
Total Project Costs	$165,798				

Years	27	28	29	30	Totals
Cash					
Project Costs	-	-	-	-	-$165,798
Incentive Amount	-	-	-	-	$23,663
Electric Bill Savings	$13,636	$13,829	$14,024	$14,222	$349,629
Cash Total	$13,636	$13,829	$14,024	$14,222	$207,493
Total Cash Flow	$13,636	$13,829	$14,024	$14,222	$207,493
Cumulative Cash Flow	$165,418	$179,247	$193,272	$207,493	-

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

5 Arch Solar C&I: Commercial References



References

Mike Nicholson, President of Ampco Pumps
Phone: (414) 643-1852 ext. 125

Ty Weinhold, Chief Operating Officer at Viking Masek
Phone: (920) 564-5331

Bob Travis, President of InkWorks Printing
Phone: (414) 430-2635

John Edlebeck P.E. Director of Public Works, Village of Whitefish Bay
Phone: (414) 962-6690 ext. 114

Ken Manninen, President of Alliance Manufacturing, Inc.
Phone: (920) 922-8100

Larry Bierke, Iowa County Administrator
Phone: (608) 935-0318

Don Marx, President of Milwaukee Plate Glass Company
Phone: (414) 771-5660

Out of courtesy, please let us know if you'd like to call one of our references to discuss their solar system. We will call ahead and make sure that they are aware of an incoming call.

Attachment: RFP - Design Build Solar PV - Ozaukee County_10-17-24_FINAL (Review/Approve Award of

Attachment: Solar Electric PV System RFP Addendum #1_11-6-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

Request for Proposals for
Design Build of Solar Electric PV Systems for Administration Center, Justice Center and Highway Shop

Addendum #1
November 6, 2024

Questions:

1. Per our walk though at the Highway Shop. The building has two electrical services. One service is 240-grounded B and the other is 240 single phase. We can not have the solar panels connect to two services. (A service change is recommended.)
   With this project, what service do you want the solar panels to tie into?

   Based on the information above, all proposals should incorporate their project approach to a service change that accommodates the proposed 70 kW pv system on the Highway Department building in the "system proposal" section of the proposal, as well as incorporate those costs fully into the cost propsal.

2. Is the project scope the same as it was a couple years ago? It appears that Arch Electric set the parameters for system scope / size back in 2022. Are these system sizes still valid? What is driving the project? Are we aiming for 397,000 kWh or basing our response off the outlined system sizes?

   Please base your proposal on the outlined system sizes for each proposed roof in the Request for Proposals.

3. Is this project still requiring tilt-up arrays or is this just an option? Good for us to know if there is a required degree for the tilt-ups and/or if we are able to provide a standard, attachment-free flat roof design of 10 degree tilt?

   We are open to tilt up arrays as well as standard attachment-free flat roof design of 10 degree tilt, or any other array configuration as long as it meets the desired proposed size for each building. This is to ensure the cost proposals are evenly compared between proposals, based on size specifications of 98 kW on the Administration Center, 166 kW on the Justice Center and 70 kW on the Highway Workshop. Please indicate in the "system proposal" section, your approach for the type of arrays you are proposing.

4. In our cost proposal, how shall overhead be included in our cost proposal; as a percentage or value?

Cost Proposal – The fee for this project shall be clearly stated as a lump sum for basic services as detailed in this document.

- **Cost proposal shall include all costs incurred by the RFP respondent during the bonding, design, engineering, product procurement, installation, and warranty periods**
- **Cost proposal must be itemized and include at a minimum, the above mentioned categories to include labor hours, overhead, and materials!**
- **Include a spreadsheet/matrix listing the names, classification, hourly rates, and relationship of tasks, which are necessary to complete the project as, described in this RFP.**

Attachment: Solar Electric PV System RFP Addendum #1_11-6-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

OZAUKEE COUNTY FORWARD FOCUSED Wisconsin

ARCH SOLAR C&I THE ENERGY EXPERTS

Submitted to:
Jason Wittek, Policy & Budget Analyst
Ozaukee County Administrative Center
jwittek@oazukeecounty.gov
121 W Main Street Port Washington, WI 53074

Arch Solar C&I, a certified Women Business Enterprise, is pleased to have the opportunity to work with Ozaukee County as the Solar Installation Contractor providing turnkey solar solutions at the Administrative Center, Justice Center, and Highway Shop. This document responds to Ozaukee County's Request for Proposal and accompanying documents. Production values and efficiency are based on simulated snow loss calculations for 23° roof mounted arrays located in Port Washington, WI. Weather information used in modelling is based on data collected at 43.35, -87.85, NREL (psm3). All designs meet IFC 2018 and NEC 2017 requirements. We have proposed a higher than standard tilt that will increase annual production and maximize efficiency, along with backside gain. System production for the total project is 396,445.6 kWh. Arch has been installing solar in Wisconsin since 2009 and leads the market for innovative design and has been awarded of Top Solar Contractor in the State for the last 3 years. Arch supports Ozaukee County in the pursuit of renewable energy and is happy to aid in community engagement, educating the community, and marketing items to promote this pivotal project. Arch Solar C&I Certifies that this RFP response meets all requirements stated in the Official Notice, and no addendums apply.

1. **Organizational Approach**
   i. Our plan for this project is to perform a 3D Drone Flight Mapping diagram to illustrate the real-case scenario at each building. From there we will build our dialed in system layouts, order a load analysis from TerraGen(Racking Manufacturer), and verify the weight distribution aligns with the buildings' structural characteristics. From here we will perform our standard procedure, outlined in "7. Installation Timeline" to execute the project in a professional and timely manner.
   ii. Collaboration with County Staff: we intend to meet with county staff throughout the project for all specified kick-off meetings, throughout construction, operational training, and any future support.

2. **Bonds: Bid Bond, Performance and Payment Bond**
   i. Bid Bond included in Full Bid Package
   ii. Performance & Payment Bond included in Contract Price ($8,480.71)

3. **Warranty & Maintenance Information**
   a. Expected Life of System:
      i. Modules: 30+ Years
      ii. Inverters: 15+ Years
      iii. Optimizers: 30+ Years
      iv. Racking: 30+ Years
   b. ZNshine Solar Modules: 12 Year Product, 30 Year Power Output (0.5% Annual Degradation)
   c. SolarEdge Inverters: 12 Year Product (Extendable to 20 Years)
   d. SolarEdge Optimizers: 25 Year Product
   e. TerraGen Racking: 20 Year Product
   f. Arch Solar C&I: 5 Year Workmanship
   g. Maintenance Information:
      i. Arch has a dedicated O&M Business Unit, who provides various service plans if desired. While solar is mostly maintenance free, keeping up-to-date thermal imaging can detect failures before they occur. We provide one year free, and following that we have plan options: Monitor, Maintain, and Repair.

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

4. **Project Experience / Qualifications**
   - i. Arch leads Wisconsin in innovative design for systems that produce best in Wisconsin's climate.
     1. Design Methodology study included in full bid package.
   - ii. Public Construction Projects:
     1. Village of River Hills, Village of Bayside, Village of Whitefish Bay, North Shore Fire Department, City of Milwaukee, City of Sheboygan, City of Wauwatosa, City of Madison, City of Edgerton, Nicolet High School, Homestead High School, Wisconsin Lutheran High School
   - iii. Pictures of Projects, similar to Ozaukee Designs
   - iv.



Ongna Wood



Hotel Verdant



Bliffert Lumber



Dominion Properties Wall

5. **References**
   1. Village of River Hills – DPW and Village Hall - 2023
      - a. Craig Schroeder, Director of Public Works
      - b. 414-352-0080, cschroeder@vil.river-hills.wi.us
   2. CH Coakley- Three Large Warehouses in Greater Milwaukee - 2021
      - a. Steve Swanson, CFO
      - b. 414-372-7000, Steve.Swanson@CHCoakley.com
   3. Village of Whitefish Bay – DPW - 2019
      - a. Paul Witte, Public Works Superintendent
      - b. 414-659-1287, p.witte@wfbvillage.gov
        - i. *Additional Projects included in Total Bid Package below.*

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

4. **Your Project Team:**



6. **Bid Certification**
   i. Arch Solar C&I acknowledges that the bid terms and prices will remain in effect until for 60 days following 12/3/2024. Arch Solar C&I acknowledges that the capabilities and system equipment is currently on the market and procurable. Arch Solar C&I confirms that this project will be completed by 7/1/2025 if written award of contract is no later than 12/2/2024.

7. **System Description Summaries**
   i. **Administrative Center**
      1. **Total System Size DC:** 98,100 W
      2. **Total System Size AC:** 100,000 kW
      3. **Total Module Qty:** 180 (545Watt ZnShine Solar)
      4. **Total Inverter Qty:** 2 (SolarEdge SE50K-US)
      5. **Total Optimizer Qty:** 92 (SolarEdge S1201, 2-1)
      6. **Racking:** TerraGen TGR Ballasted (Custom 23° Tilt) (Confirming no penetrations required for tilt up)
      7. **Annual Yield:** 123,964.0 kWh
      8. **Solar Efficiency:** 1,263.6 kWh/kWp

   ii. **Justice Center**
      1. **Total System Size DC:** 166,225 W
      2. **Total System Size AC:** 120,000 kW
      3. **Total Module Qty:** 305 (545Watt ZnShine Solar)
      4. **Total Inverter Qty:** 1 (SolarEdge SE12K-US)
      5. **Total Optimizer Qty:** 155 (SolarEdge S1201, 2-1)

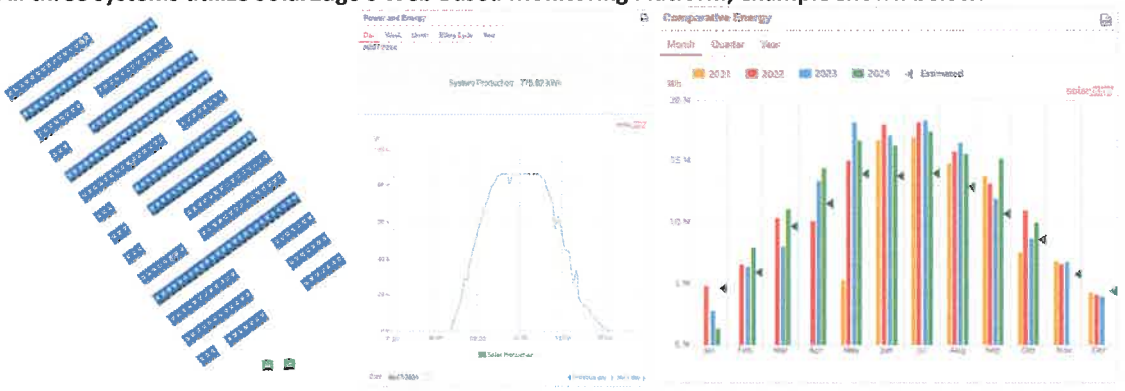
Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

6. **Racking:** TerraGen TGR Ballasted (Custom 23° Tilt)
7. **Annual Yield:** 193,598.7 kWh
8. **Solar Efficiency:** 1,164.7 kWh/kWp

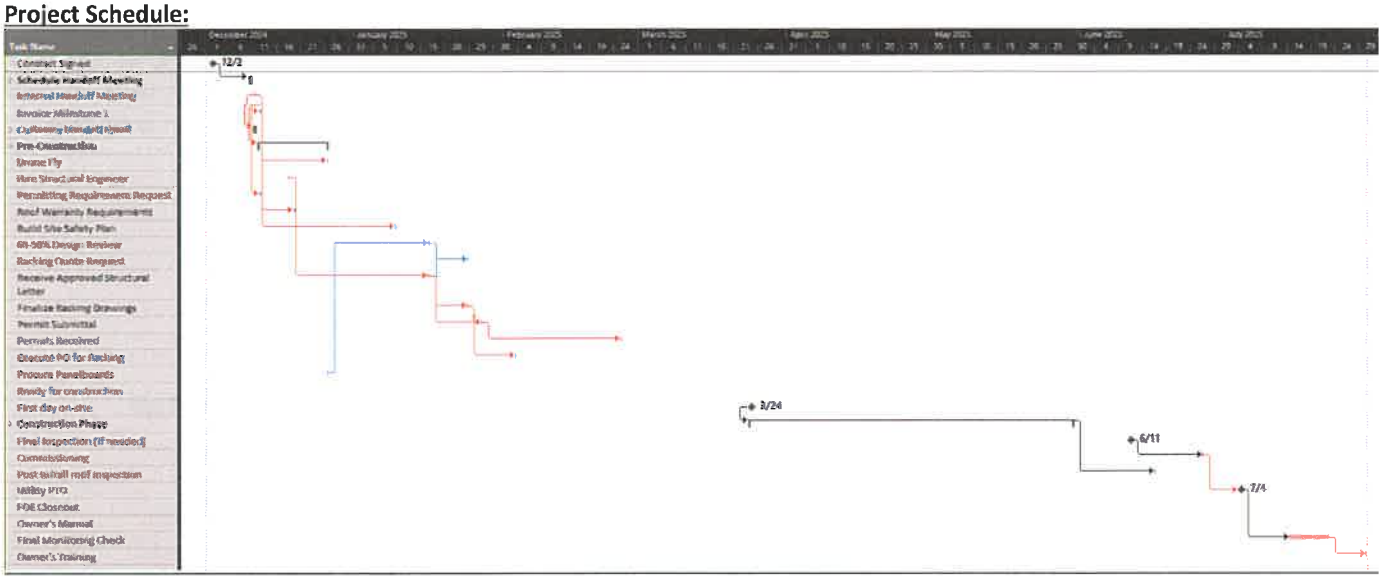
iii. **Highway Shop (Includes Service Work, noted in Addendum 1)**

1. **Total System Size DC:** 70,850 W
2. **Total System Size AC:** 68,400 kW
3. **Total Module Qty:** 130 (545Watt ZnShine Solar)
4. **Total Inverter Qty:** 6 (SolarEdge SE11400A-US)
5. **Total Optimizer Qty:** 130 (SolarEdge S650, 1-1)
6. **Racking:** TerraGen TGR Ballasted (Custom 23° Tilt)
7. **Annual Yield:** 78,882.9 kWh
8. **Solar Efficiency:** 1,113.4 kWh/kWp

8. **Combined Totals:**
   i. **Annual Yield:** 394,445.6 kWh
   ii. **Solar Array System Cost:** $647,208.00
   iii. **All three systems utilize SolarEdge's Web Based Monitoring Platform, example shown below.**
   iv.



9. **Project Schedule:**



Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

10. **Cost Proposal**
    a. Solar Array Cost: $647,208.00
    b. Itemized:
        ii. Labor Hours: 1,980 Hours
        iii. Labor Cost: $106,285.89
        iv. Materials:
            1. Solar Modules: $151,396.59
            2. Inverters: $102,244.94
            3. Racking: $108,120.97
            4. Ballast Block: $2,929.31
            5. BOS: $104,153.23
            6. Shipping: $4,032.26
            7. Rental Equipment: $18,064.52
    c. Project Management/Engineering/Permit Preparation: $50,007.29
        v. Overhead: 18.6%
            1. Blended in via items above.
    d. Bid Bond / Performance & Payment Bond: $8,480.71
    e. Final Bid Cost: $655,688.71
    f. Spreadsheet/Matrix of names, classification, hours rates can be shared with the county in confidential format. We have recently observed another solar contractor in the area poaching employees via a matrix shared on a publicly bid project.

11. Summary
    a. Arch is honored to have the potential to participate in this pivotal project for Ozaukee County to strengthen Wisconsin's renewable energy generation. **Please note, non-critical pages have been removed to adhere to the 25-page submission maximum, but can be provided.*

Sincerely,

Andrew Holmstrom

FAA Pilot #: 4627419, NABCEP PVTS-092223-013653
Arch Solar C&I | www.archsolar.com
Phone: 920-838-0483 | Email: andrew@archsolar.com

Signature: 

Date: 11/8/2024

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

ANNEX 1 Scope of Work

Contractor's scope of Work under the Agreement for the Facility is more specifically detailed below. Certain exclusions, assumptions, and qualifications that limit the Scope of Work and on which the Contract Price and Construction Schedules are based are also identified below.

Contractor/Arch Solar C&I to provide and/or install the following services and equipment:

Site Facilities

- Job trailer and secured storage.

Permitting/Interconnection

- Included: Electrical & Building Permit Application Documentation, relating to solar installation.
- Approved interconnection with WE Energies, includes additional costs for interconnection application, engineering, and distribution studies (if applicable).

Drawings and Design

- Arch Value Engineering Services for Interconnection Process.
- Electrical and Structural Construction Drawings for Solar Photovolatic System.
- Provide 2 sets, as built Construction Drawings.
- Provide 2 O&M Manuals.

Installation of Contractor Provided Electrical Equipment

- Znshine Solar PV Modules
  - Znshine Solar, ZXM7-SHLDD144-545W (545W)
- Solar Edge Inverters
  - SE120K-US, 277/480V, 3Phase 4Wire
  - SE50K-US, 120/208V, 3Phase 4Wire
  - SE11400H-US, 120/240V, 1Phase 3Wire
- SolarEdge Optimizers
  - S1201, 2-1 Power Optimizer
  - S650B, 1-1 Power Optimizer
- Terra-Gen TGR Racking System
- Remote Monitoring Functions, via SolarEdge web

Testing and Commissioning

- Standard Quality Control Test Reports.
- Inverter and Monitoring commissioning.
- Ohm/Resistance Testing for Conductors (Meggering).

A. General Construction

- Includes provision of a project team with qualified project manager, superintendent, safety representative, and field crew.
- Includes providing required on-site supervision.
- Includes provision of Project Health and Safety Plan and other safety and protective measures, including Site Specific Safety Plan.
- Includes providing on-site trash receptacles and sanitary facilities.
- Includes small tools and safety equipment.
- Includes job trailer for supervision / management.
- Includes coordination with the Local Electric Utility regarding interconnection of the Facility.
- Includes arranging inspections with Governmental Authorities as required to complete Contractor's Work.
- Excludes all equipment, work, and upgrades beyond POI on utility distribution equipment.

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- Excludes prevailing wage or Davis Bacon Act wage requirements.
- Includes Bid Guarantee, Performance, and Payment Bond.
- Excludes any demolition work on the interior of building.
- Excludes and demolition work NOT related to solar array.

B. Engineering

- Includes provision of all design and engineering services necessary for the completion of the Facility.
  - i. A.1-A.4 Arch Engineering Documents (Scope of Work, Site Plan, Array Details, One Line)

C. Permits

- In Scope Permits related to the solar installation provided by Contractor.
  - i. City of Port Washington
  - ii. State of Wisconsin
- Interconnection Application with Local Utility (WE Energies)

D. Civil Work

- Excludes any civil work

E. Mechanical Construction: Racking and Modules

- Includes receipt, unloading and inspection of racking material and components.
- Includes receipt, unloading and inspection of solar modules, optimizers, and inverters.
- Includes installation of racking.
- Includes installation of solar modules.
- Includes installation inverters.

F. Electrical Construction: AC/DC Electrical Work

- Installation per Specifications provided by Original Equipment Manufacturers.
- Includes installation of DC string wiring from modules and inverters.
- Includes installation of grounding system for modules, racks, and grounding.
- Includes installation of conduits from Array combiners to inverters, and inverters to POI.
- Includes installation of wire including grounding from inverters to POI.
- Includes installation of MC-4 connectors.
- Includes termination of all cables.
- Includes receipt, inspection, and unloading of equipment.
- Includes NEC 2017 compliant installation.
- Includes IFC 2018 compliant installation.
- Includes one year of O&M services, free of charge.
- Includes up to 4 hours of on-site training for County Staff.

G. Additional References

Company	Category	System Size	Role	Location
Whitefish Bay DPW	Municipal	200 kW	EPC	Whitefish Bay, WI
Milwaukee Plate Glass	Manufacturing	210 kW	EPC	West Allis, WI
Milwaukee Plumbing and Piping	Retail	13.5 kW	EPC	West Allis, WI
Froedtert Hospital	Medical	82.8 kW	EPC	Wauwatosa, WI
Kathy's House	Medical	53.3 kW	EPC	Wauwatosa, WI
City of Wauwatosa	Municipal	389 kW	EPC	Wauwatosa, WI

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CH Coakley	Warehousing	299.3 kW	EPC	Wauwatosa, WI
Woodway/Bayerlin	Manufacturing	389 kW	EPC	Waukesha, WI
Woodway/Bayerlin Phase 2	Manufacturing	389 kW	EPC	Waukesha, WI
Bliffert Lumber	Retail	75.6 kW	EPC	Waukesha, WI
Aria of Waukesha	Senior Living	82.8 kW	EPC	Waukesha, WI
CCC of Pewaukee	Senior Living	186.3 kW	EPC	Waukesha, WI
Madison College	Educational	133.2 kW	EPC	Watertown, WI
Walbec Company	Alternative	386.1 kW	EPC	Sussex, WI
Bliffert Lumber	Retail	58.1 kW	EPC	Sturtevant, WI
Dominion Wall	Office	54 kW	EPC	Shorewood, WI
Aurora Hospital	Healthcare	100.8 kW	EPC	Sheboygan, WI
St. Nicholas Apartments	Senior Living	30 kW	EPC	Sheboygan, WI
Lakeside Pepsi	Distribution	134 kW	EPC	Sheboygan Falls, WI
Sheboygan Senior Center	Senior Living	200.5 kW	EPC	Sheboygan Falls, WI
Village of River Hills	Municipal	58.5 kW	EPC	River Hills, WI
Illing Company	Manufacturing	389 kW	EPC	Richfield, WI
Madison College	Educational	97.7 kW	EPC	Reedsburg, WI
Hotel Verdant	Lodging	49.32 kW	EPC	Racine, WI
HALO Homeless Shelter	Public	60.4 kW	EPC	Racine, WI
Racine County Food Bank	Public	37.8 kW	EPC	Racine, WI
Aspirus Health	Medical	370 kW	EPC	Portage, WI
Aurora Urgent Care	Healthcare	128.7 kW	EPC	Plymouth, WI
Inkworks Printing	Manufacturing	74 kW	EPC	Plymouth, WI
Aurora Urgent Care	Medical	128.7 kW	EPC	Plymouth, WI
City of Plymouth	Municipal	20 kW	EPC	Plymouth, WI
Plymouth Furniture	Retail	50.7 kW	EPC	Plymouth, WI
Lakeland Supply	Distribution	175 kW	EPC	Pewaukee, WI
Thysse Printing	Manufacturing	339 kW	EPC	Oregon, WI
Viking Masek	Manufacturing	240 kW	EPC	Oostburg, WI
Ongna Wood	Pallet Mfg.	378 kW	EPC	Oostburg, WI
Blackhawk Shooting Sports	Retail	45.4 kW	EPC	Oostburg, WI
Oconomowoc Transport	Transportation	50 kW	EPC	Oconomowoc, WI
MATC - Oak Creek	Educational	388.5 kW	EPC	Oak Creek, WI
Riverwood Estates	Lodging	207 kW	EPC	Oak Creek, WI
IKEA	Retail	1,642 kW	Construction	Oak Creek, WI
Connoils	Manufacturing	147 kW	Construction	New Berlin, WI
Halder, Inc.	Retail	35.1 kW	EPC	New Berlin, WI
Venture Construction Group	Retail	29.5 kW	EPC	New Berlin, WI
Super Products	Manufacturing	389 kW	EPC	Mukwonago, WI
Sid Grinker	Contracting	102 kW	EPC	Milwaukee, WI
St. Roberts Parish	Educational	91.2 kW	EPC	Milwaukee, WI
Caleffi Hydronic Solutions	Manufacturing	83.4 kW	EPC	Milwaukee, WI
Dead Bird Brewing	Manufacturing	46 kW	EPC	Milwaukee, WI
Lange Brothers	Manufacturing	100 kW	EPC	Milwaukee, WI
Outreach Health	Medical	43.5 kW	EPC	Milwaukee, WI
Milwaukee Public Museum	Public	99 kW	EPC	Milwaukee, WI
Hunger Task Force	Public	88.9 kW	EPC	Milwaukee, WI
Wisconsin/Baird Center	Public	86.4 kW	EPC	Milwaukee, WI
Bayview Community Center	Public	16.2 kW	EPC	Milwaukee, WI
Havenwoods State Forest	Public	15.6 kW	EPC	Milwaukee, WI
Bliffert Lumber	Retail	50.7 kW	EPC	Milwaukee, WI
CH Coakley	Warehousing	388.9 kW	EPC	Milwaukee, WI

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MATC - Mequon	Educational	299 kW	EPC	Mequon, WI
Gan Ami	Educational	28.7 kW	EPC	Mequon, WI
Wisconsin Shower Door	Manufacturing	174 kW	EPC	Menomonee Falls, WI
Emmanuel Community Church	Religious	63.7 kW	EPC	Menomonee Falls, WI
CH Coakley	Warehousing	388.9 kW	EPC	Menomonee Falls, WI
CCC of Mayville	Senior Living	86.4 kW	EPC	Mayville, WI
Dramm Corporation	Manufacturing	90 kW	EPC	Manitowoc, WI
Hoffman Manufacturing	Manufacturing	133 kW	EPC	Madison, WI
Keweenaw Bay Ojibwa Community College	Educational	98.1 kW	EPC	Lanse, MI
Green Valley Dairy	Agriculture	1800 kW	EPC	Krakow, WI
Aurora Hospital	Medical	100.8 kW	EPC	Kohler, WI
Pike Creek	Housing	81.4 kW	EPC	Kenosha, WI
Manor of Kenosha	Senior Living	186.3 kW	EPC	Kenosha, WI
General Beer	Distribution	300 kW	EPC	Kaukauna, WI
Greendale Community Church	Religious	34.8 kW	EPC	Greendale, WI
Neighborworks	Public	64.7 kW	EPC	Green Bay, WI
Gilman Precision	Manufacturing	365 kW	EPC	Grafton, WI
Ampco Pumps	Manufacturing	382 kW	EPC	Glendale, WI
Just One More Meal	Religious	28.9 KW	EPC	Glendale, WI
Krones Cranes	Manufacturing	388.8 kW	EPC	Franklin, WI
Madison College	Educational	149.5 kW	EPC	Fort Atkinson, WI
Alliance Manufacturing	Manufacturing	64 kW	EPC	Fond Du Lac, WI
Holiday Ford and Collision	Retail	466.5 kW	EPC	Fond du Lac, WI
General Beverage	Distribution	233 kW	EPC	Fitchburg, WI
Fitchburg City Hall	Municipal	43.5 kW	EPC	Fitchburg, WI
Fitchburg Public Works	Municipal	112.1 kW	EPC	Fitchburg, WI
City of Fitchburg - Public Library	Municipal	112 kW	EPC	Fitchburg, WI
Fitchburg Fire Station	Municipal	100 kW	EPC	Fitchburg, WI
Latitude Graphics	Manufacturing	133 kW	EPC	Cross Plains, WI
Lakeshore Technical College	Educational	20.7 kW	EPC	Cleveland, WI
Cascade Cheese	Manufacturing	110 kW	EPC	Cascade, WI
Green Up Solutions	Distribution	53.1 kW	EPC	Butler, WI
GEA Vegas	Manufacturing	810.4 kW	EPC	Burlington, WI
Engineering Specialist	Engineering Firm	133 kW	EPC	Brookfield, WI
Aria of Brookfield	Senior Living	246.2 kW	EPC	Brookfield, WI
Mighty Grand Dairy	Agriculture	201 kW	EPC	Brighton, WI
Village of Bayside	Municipal	112 kW	EPC	Bayside, WI

*Additional and contact info available upon request.

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

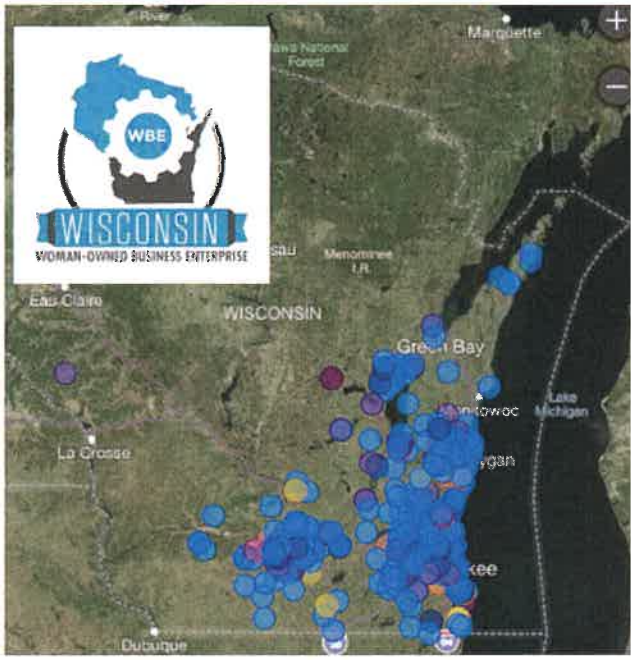
About Arch

ARCH SOLAR C&I
THE ENERGY EXPERT

Founded in 2003, Arch has become an undisputed leader in Wisconsin Solar. We strive to educate and empower everyone interested in solar to achieve their renewable energy goals.

When you work with Arch Solar C&I, you get:

- Local Employees (We only service Wisconsin!)
- Vertical Integration (Everything is done in-house; everyone you speak to is employed by Arch)
- A Certified Women's Business Enterprise, fostering the growth of a diverse solar workforce in Wisconsin
- 20+ years of Solar Expertise!



Total Arch Installs Since 200

The Arch Difference

ARCH SOLAR

Marketing · Sales · Engineering

Operations · Procurement · Install

Everyone at Arch works together to control:

- Lead Time
- Material Management (via our own warehouses)
- Quality & Safety of Install
- Communication & Updates to You!

OTHER SOLAR COMPANIES

Sell you the system,

Marketing · Sales · Operations

then outsource the install...

Operations · Procurement · Install

causing communication errors for vital information

ARCHSOLAR.COM

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Arch Solar C&I
Design Methodology

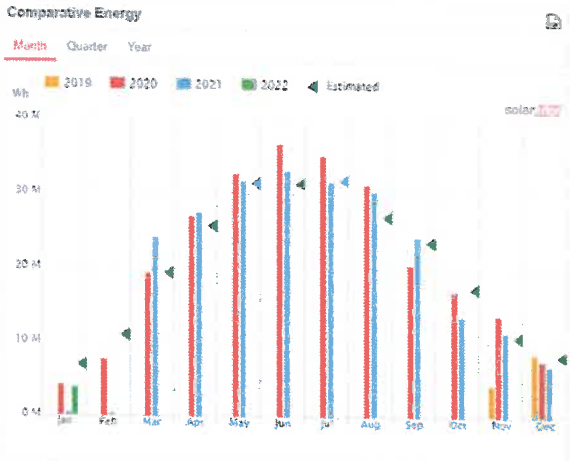
Through studies of installed systems, ranging from 2003-2023, we have created a summary to support our recommended system design for flat roof systems installed in Wisconsin, USA. The studies covered a wide range of systems ranging from 10-23°, various racking suppliers, in both landscape and portrait orientations. Through the removal of subjective bias, we have developed the report below to state the facts. Arch's goal is to achieve the highest possible power density per kilowatt installed on Wisconsin roofs.

Racking Specifications

Manufacturer	*UniRac*	*KB Racking*	*Terra Gen*
Model	EcoFoot 2	AeroRack 2	TGR-South
Support Structure	Plastic	Aluminum	Aluminum
Clamping	Corner(Red)	Corner(Red)	Dual Support Rail
Tilt Angle	5-10°	3-20°	5-35°
Interrow Spacing	1.6 ft.	4-8 ft.	0.5-10 ft.
Ballast Weight	3-7 lbs.	2-5 lbs.	2-6 lbs.
Design Tool	Web	Web	Custom - by TG
Ease of Install	Easy	Easy	Medium
Bifacial Ready	No	No	Yes
Wind Deflectors	Yes	Yes	No
Elevated Option	No	No	Yes
Roof Penetrations	No	No	No

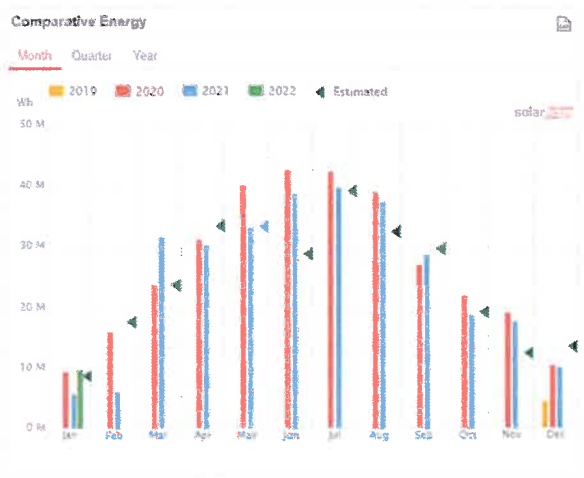
Production Data

1. Location: School Sisters of St. Francis – Milwaukee, WI
    a. Design: EcoFoot, 10° Landscape, Monofacial Panels
    b. Solar Efficiency
        i. 2018: 913 kWh/kW
        ii. 2019: 907 kWh/kW
        iii. 2020: 932 kWh/kW
        iv. 2021: 925 kWh/kW
2. Location: Whitefish Bay DPW – Whitefish Bay, WI
    a. Design: AeroRack, 10° Landscape, Monofacial Panels
    b. Solar Efficiency
        i. 2019: 1,203 kWh/kW
        ii. 2020: 1,026 kWh/kW
        iii. 2021: 1,175 kWh/kW
3. Location: Alliance Manufacturing – Fond du Lac, WI
    a. Design: AeroRack, 10° Portrait, Monofacial Panels
    b. Solar Efficiency
        i. 2019: 1,033 kWh/kW
        ii. 2020: 1,633 kWh/kW
        iii. 2021: 1,184 kWh/kW



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4. Location: Viking Masek – Oostburg, WI
    a. Design: TerraGen, 20° Portrait, Monofacial panels
    b. Solar Efficiency
        i. 2020: 1,049 kWh/kW
        ii. 2021: 1,146 kWh/kW
5. Location: MATC – Mequon, WI
    a. Design: TerraGen, 23° Portrait, Bifacial Panels
    b. Solar Efficiency
        i. 2021: 1,294 kWh/kW
6. Location: Thysse Printing – Oregon, WI
    a. Design: TerraGen, 23° Portrait, Bifacial Panels
    b. Solar Efficiency
        i. 2020: 1,221 kWh/kW
        ii. 2021: 1,271 kWh/kW







Production/Savings Conclusion

On average, a 23° tilt, portrait orientation system, with bifacial panels will produce an average 188 kWh/kW installed in Wisconsin. When looking at system size of 300 kW, we would see an additional 56,400 kWh annually, correlating to a difference in electrical savings increase of $7,332. (*Assuming CG-1 Rate, WE Energies Territory, Net Metering)

For further supporting documentation of Arch's design configuration, please reference the study below on winter production with snow cover on a 23° tilt, portrait oriented, bifacial solar panel array.

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

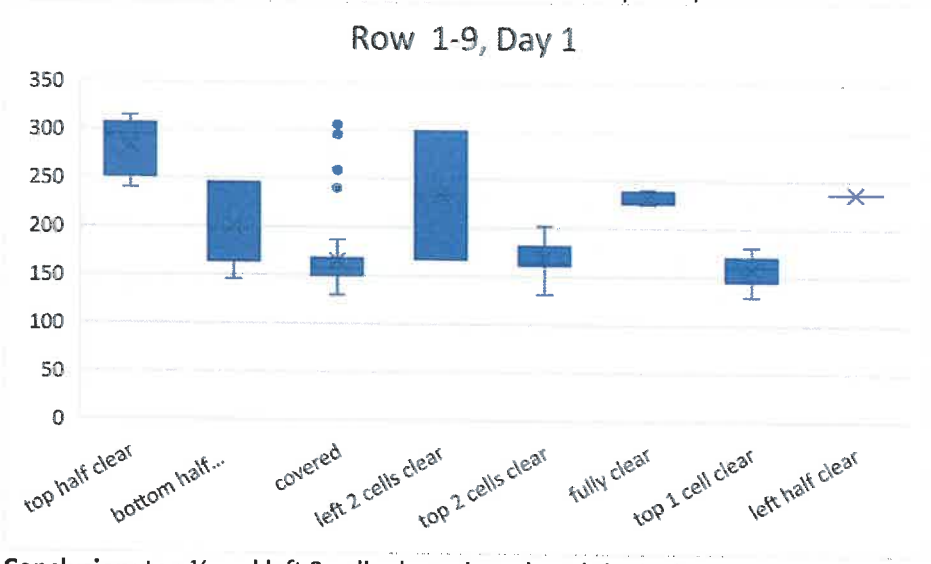
Bifacial Snow Study

Location of Study: 1400 N 113th Street Wauwatosa, WI 53226
Date of Measurement: 1/25/2022 4:28 PM (Snow cover conditions observed 1/24/22 3:10 PM)
Weather Conditions: "Sunny," high of 11.66°F, low of -1.3°F, Humidity 30.1-30.39 "Hg, snow measured between 2-4.5 in. throughout array (10 measurements completed at random)
Weather Source: Milwaukee/Timmerman Airport, USA
System Size: 244.8kW-DC, 200kW-DC
Measured: Modules 1-15, Rows 1-12 (180 measurement points)
Snow Clear Conditions: Fully, top ½, bottom ½, left ½, left 2 cells, top 1 cell, top 2 cells, covered
Array Details:

- Module: Boviet 450W Bifacial (180)
- Inverter: SolarEdge SE100K-US (2)
- Optimizer: SolarEdge P960 (272)
- Racking: TerraGen TGR 23°, 6 ft. Intrarow Spacing
- Roofing Material: Single Ply White Johns Manville 60mil TPO (Reflectivity 0.77)

Results

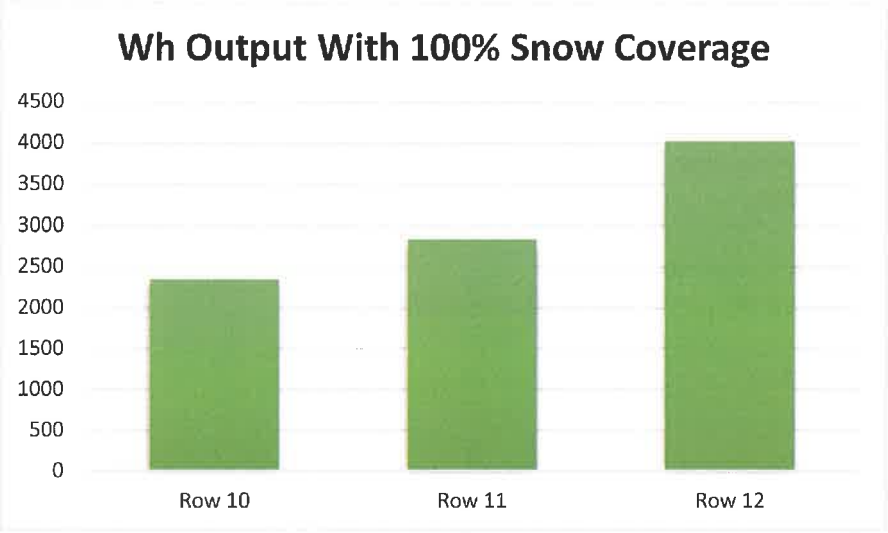
Data Set: Modules 1-15, Rows 1-9 (135 measurement points)



Conclusion: top ½ and left 2 cells cleared produced the highest measurable Wh output for rows 1-9. Top ½ clear of snow had the highest repeatable Wh output. Modules located on the side of the rows did not show significant repeatable increase in production to those of interior array location. This conclusion supports the design methodology of Arch's 23°, Portrait Orientation, 6 ft. Intrarow spacing design for flat roof systems in Wisconsin.

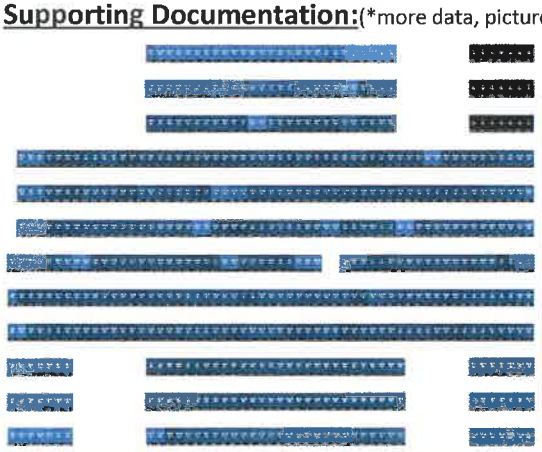
Data Set: Modules 1-15, Rows 10-12 (45 measurement points)

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Conclusion: Modules in row 12 produced an average of 29.54% more Wh than row 11, and 41.65% more Wh than row 10. Snow cover was constant across all modules in all rows. The differentiating factor was a 4 ft. Single Ply White Johns Manville 60mil TPO with a reflectivity of 0.77.

Supporting Documentation:(*more data, pictures, documentation available upon request)













Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

3 PROJECT SUMMARY

Payment Options	Cash Purchase
IRR - Term	10.9%
LCOE PV Generation	$0.039 /kWh
Net Present Value	$412,976
Payback Period	9.2 Years
Total Payments	$647,208
Total Incentives	$210,921
Net Payments	$436,287
Electric Bill Savings - Term	$1,809,795
Upfront Payment	$647,208

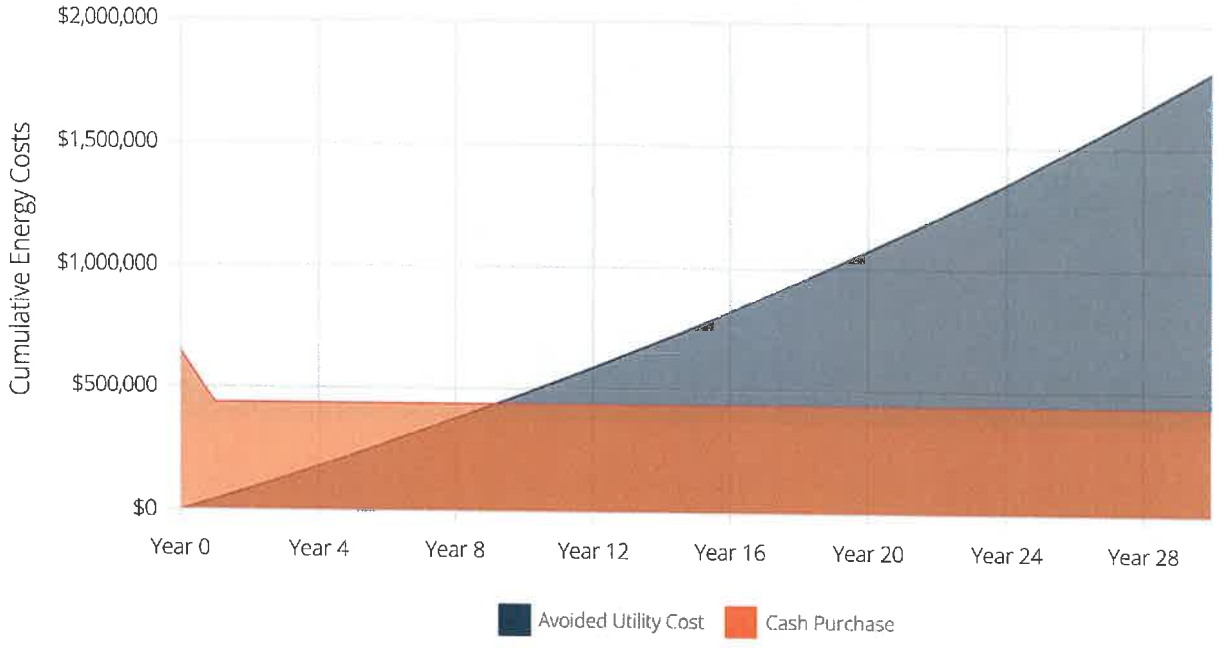
COMBINED SOLAR PV RATING

Power Rating: 335,175 W-DC
Power Rating: 288,340.0 W-AC

COMBINED ESS RATINGS

Energy Capacity: 0.0 kWh
Power Rating: 0.0 kW

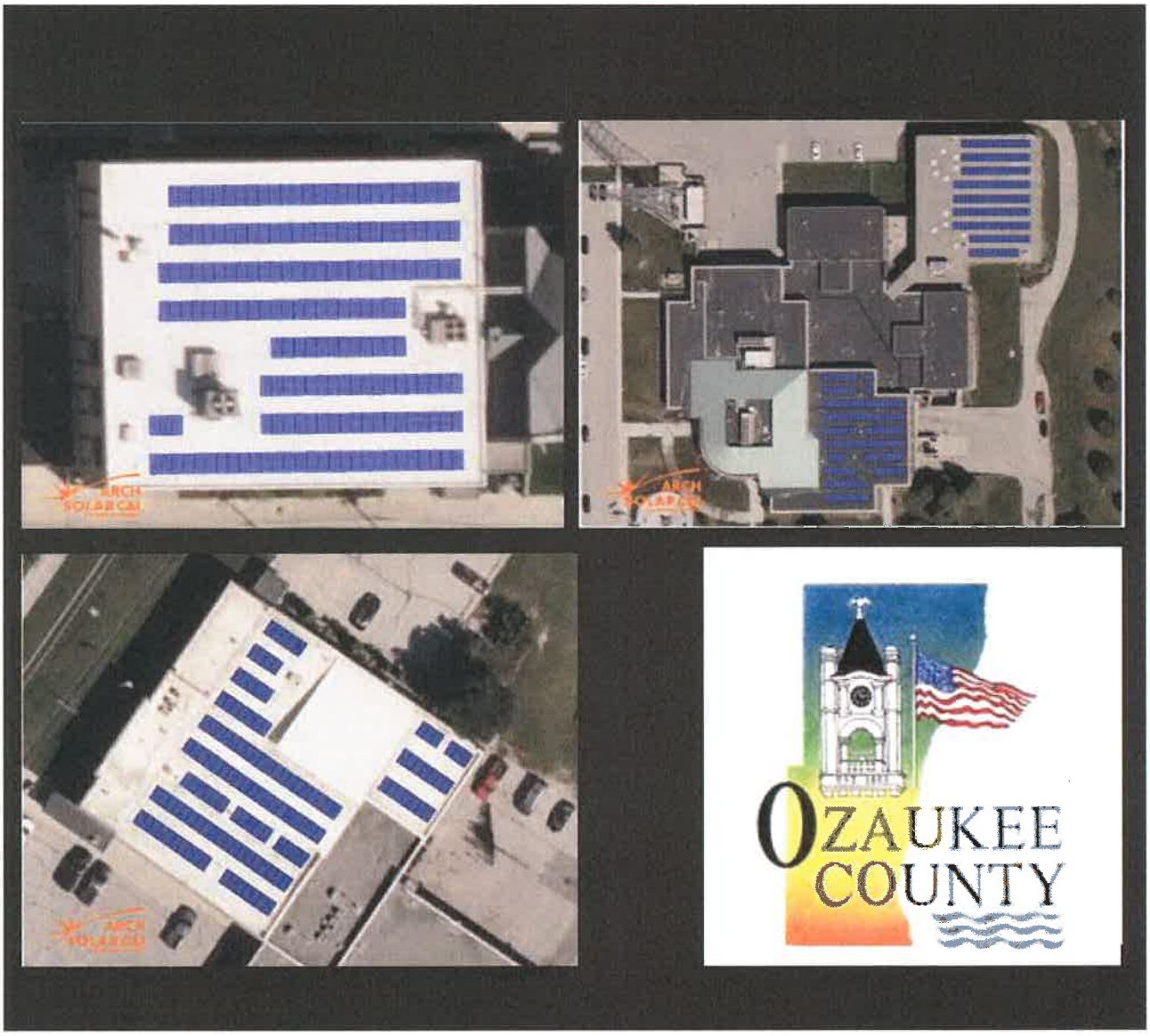
CUMULATIVE ENERGY COSTS BY PAYMENT OPTION



Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

4 SYSTEM SPECS

4.1 PV System Design



Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

4.2.1 PV SYSTEM DETAILS

GENERAL INFORMATION

Facility: HWY Dept - Single Phase
Address: 121 W Main St Port Washington WI 53074

SOLAR PV EQUIPMENT DESCRIPTION

Solar Panels: (130) ZNShine Solar ZXM7-SHLDD144-545W
Inverters: (6) SolarEdge SE11400A-US (240V)

SOLAR PV EQUIPMENT TYPICAL LIFESPAN

Solar Panels: Greater than 30 Years
Inverters: 15 Years

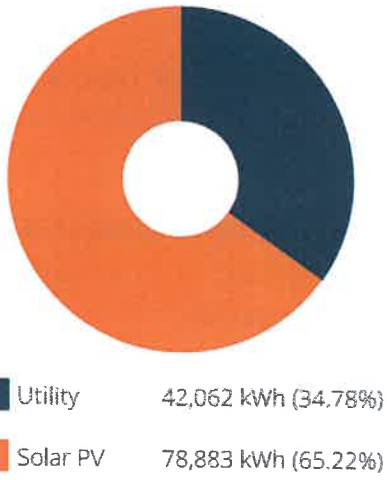
Solar PV System Cost and Incentives	
Solar PV System Cost	$150,642
(FOE) Business Incentive	-$3,543
Direct pay - 30% ITC	-$45,193
Net Solar PV System Cost	**$101,907**

SOLAR PV SYSTEM RATING

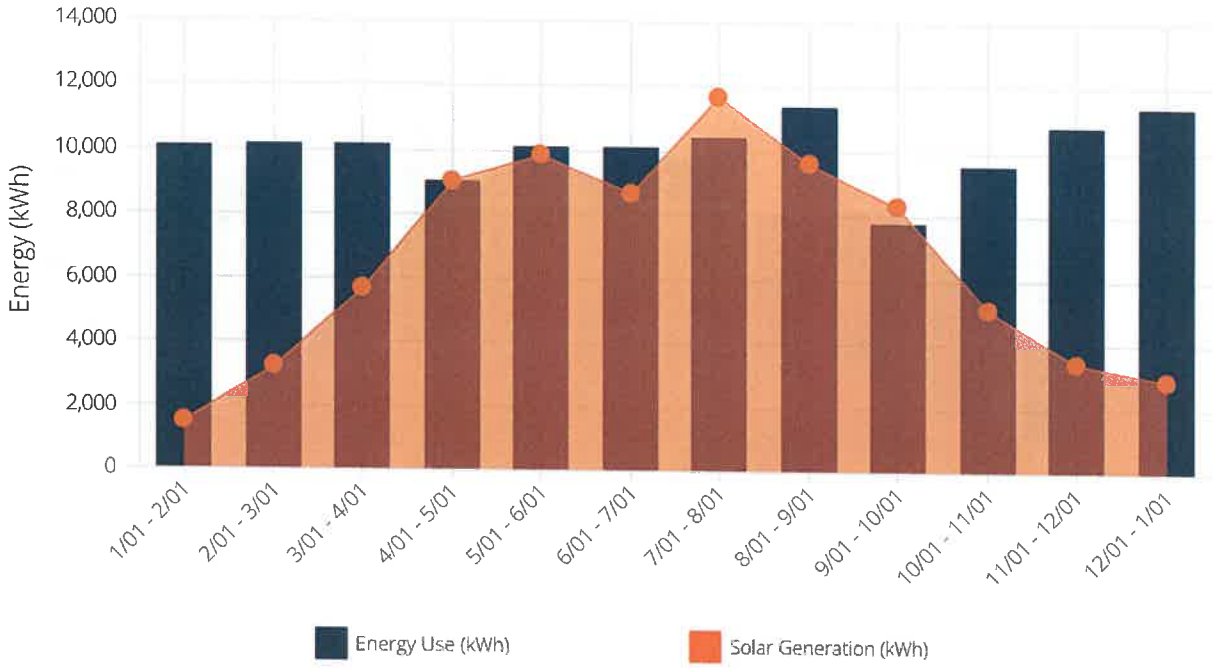
Power Rating: 70,850 W-DC
Power Rating: 68,340.0 W-AC

ENERGY CONSUMPTION MIX

Annual Energy Use: 120,945 kWh



MONTHLY ENERGY USE VS SOLAR GENERATION



Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

4.3.1 PV SYSTEM DETAILS

GENERAL INFORMATION

Facility: Admin Building
Address: 121 W Main St Port Washington WI 53074

SOLAR PV EQUIPMENT DESCRIPTION

Solar Panels: (180) ZNShine Solar ZXM7-SHLDD144-545W
Inverters: (2) SolarEdge SE50KUS

SOLAR PV EQUIPMENT TYPICAL LIFESPAN

Solar Panels: Greater than 30 Years
Inverters: 15 Years

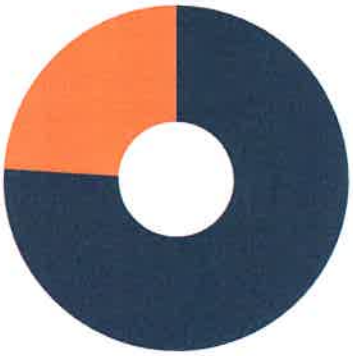
Solar PV System Cost and Incentives	
Solar PV System Cost	$195,486
(FOE) Business Incentive	-$4,905
Direct pay - 30% ITC	-$58,646
Net Solar PV System Cost	**$131,935**

SOLAR PV SYSTEM RATING

Power Rating: 98,100 W-DC
Power Rating: 100,000.0 W-AC

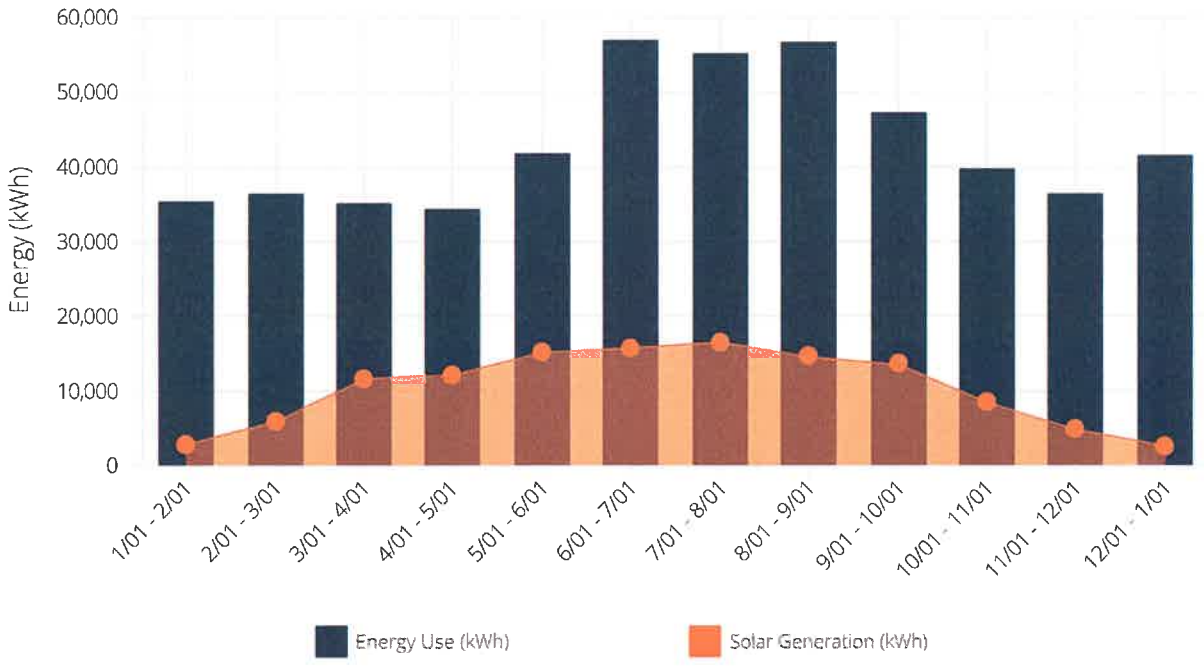
ENERGY CONSUMPTION MIX

Annual Energy Use: 516,718 kWh



Utility 392,754 kWh (76.01%)
Solar PV 123,964 kWh (23.99%)

MONTHLY ENERGY USE VS SOLAR GENERATION



Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

4.4.1 PV SYSTEM DETAILS

GENERAL INFORMATION

Facility: Justice Center
Address: 1201 S Spring St Port Washington WI 53074

SOLAR PV EQUIPMENT DESCRIPTION

Solar Panels: (305) ZNShine Solar ZXM7-SHLDD144-545W
Inverters: (1) SolarEdge SE120KUS

SOLAR PV EQUIPMENT TYPICAL LIFESPAN

Solar Panels: Greater than 30 Years
Inverters: 15 Years

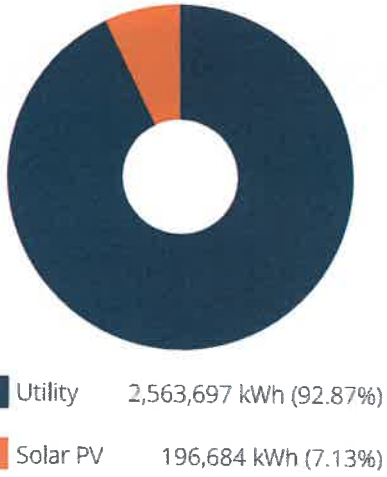
Solar PV System Cost and Incentives	
Solar PV System Cost	$301,080
(FOE) Business Incentive	-$8,311
Direct pay - 30% ITC	-$90,324
Net Solar PV System Cost	**$202,445**

SOLAR PV SYSTEM RATING

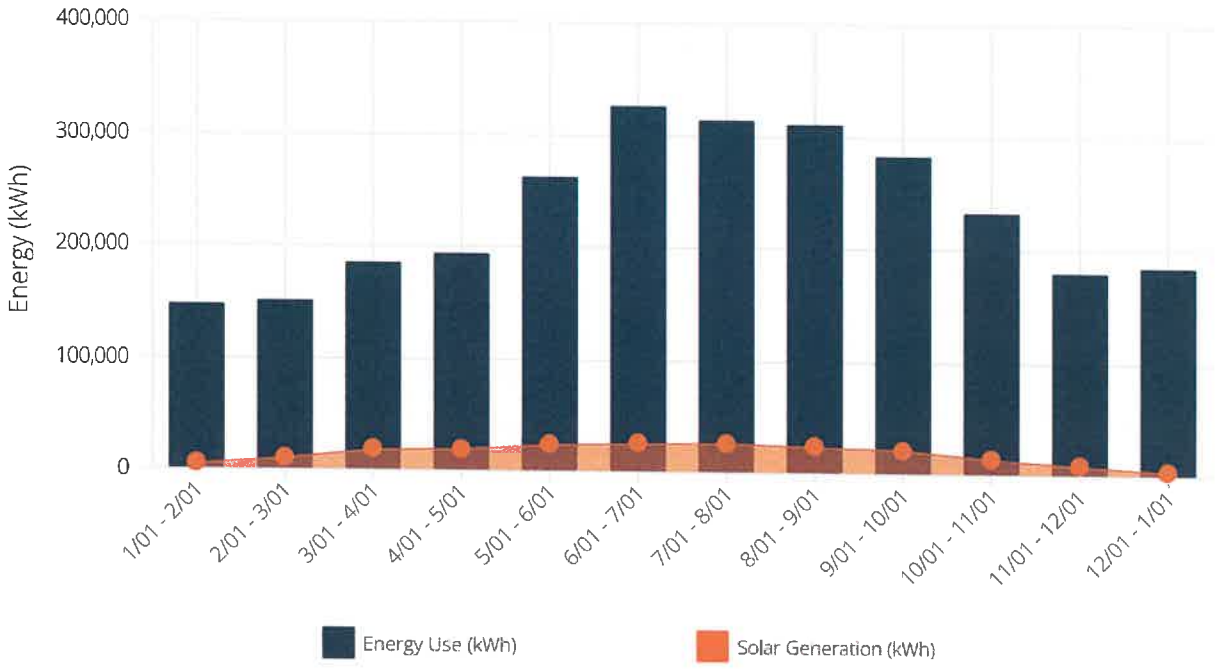
Power Rating: 166,225 W-DC
Power Rating: 120,000.0 W-AC

ENERGY CONSUMPTION MIX

Annual Energy Use: 2,760,381 kWh



MONTHLY ENERGY USE VS SOLAR GENERATION



Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

5.1 Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	10.9%	Net Present Value	$412,976	Payback Period	9.2 Years
ROI	212.2%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	2.7%	Federal Income Tax Rate	0.0%	State Income Tax Rate	0.0%
Total Project Costs	$647,208				

Years	Project Costs	Electric Bill Savings	(FOE) Business Incentive	Direct pay - 30% ITC	Total Cash Flow	Cumulative Cash Flow
Upfront	-$647,208	-	-	-	-$647,208	-$647,208
1	-	$43,510	$16,759	$194,162	$254,431	-$392,777
2	-	$44,461	-	-	$44,461	-$348,316
3	-	$45,432	-	-	$45,432	-$302,884
4	-	$46,423	-	-	$46,423	-$256,461
5	-	$47,434	-	-	$47,434	-$209,027
6	-	$48,467	-	-	$48,467	-$160,560
7	-	$49,520	-	-	$49,520	-$111,040
8	-	$50,595	-	-	$50,595	-$60,446
9	-	$51,692	-	-	$51,692	-$8,754
10	-	$52,811	-	-	$52,811	$44,057
11	-	$53,953	-	-	$53,953	$98,009
12	-	$55,118	-	-	$55,118	$153,127
13	-	$56,307	-	-	$56,307	$209,434
14	-	$57,519	-	-	$57,519	$266,953
15	-	$58,756	-	-	$58,756	$325,709
16	-	$60,018	-	-	$60,018	$385,728
17	-	$61,306	-	-	$61,306	$447,033
18	-	$62,619	-	-	$62,619	$509,652
19	-	$63,958	-	-	$63,958	$573,610
20	-	$65,324	-	-	$65,324	$638,934
21	-	$66,717	-	-	$66,717	$705,651
22	-	$68,138	-	-	$68,138	$773,789
23	-	$69,587	-	-	$69,587	$843,375
24	-	$71,064	-	-	$71,064	$914,439
25	-	$72,570	-	-	$72,570	$987,009
26	-	$74,106	-	-	$74,106	$1,061,116
27	-	$75,672	-	-	$75,672	$1,136,788
28	-	$77,269	-	-	$77,269	$1,214,056
29	-	$78,896	-	-	$78,896	$1,292,953
30	-	$80,555	-	-	$80,555	$1,373,508
Totals:	-$647,208	$1,809,795	$16,759	$194,162	$1,373,508	-

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

Bid Bond

AIA Docu

21 OF 25

CONTRACTOR:
(Name, legal status and address)
ARCH SOLAR C&I, INC.
1237 Pilgrim Rd.
Plymouth, WI 53073

SURETY:
(Name, legal status and principal place of business)
Selective Insurance Compa
40 Wantage Avenue
Branchville, NJ 07890

OWNER:
(Name, legal status and address)
Ozaukee County
121 W Main St
Port Washington, WI 53074

plural where applicable.

BOND AMOUNT: Five Percent of the Bid Amount (5.00% of Bid Amount)

PROJECT:
(Name, location or address, and Project number, if any)
Design Build of a Solar Electric PV System for Administration Center, Justice Center and a Highway Workshop

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (I) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 1st day of November, 2024.

(Witness)

(Witness) Alayna Hammer

ARCH SOLAR C&I, INC.
(Principal) (Seal)

(Title)

Selective Insurance Company Of America
(Surety) (Seal)

(Title) Connie Smith, Attorney-in-fact

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081110

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

SELECTIVE
BE UNIQUELY INSURED℠

Selective Insurance
40 Wantage Avenu
Branchville, New J
973-948-3000

22 of 25

POWER OF ATTORNEY

SELECTIVE INSURANCE COMPANY OF AMERICA, a New Jersey c
Wantage Avenue, in Branchville, State of New Jersey ("SICA"), pursuant to A
state in pertinent part:

> The Chairman of the Board, President, Chief Executive Officer,
> any Senior Vice President or any Corporate Secretary may, from
> in fact, and agents to act for and on behalf of the Corporation and
> such authority, as his/her certificate of authority may prescribe,
> name and seal with the Corporation's seal, bonds, recognizances,
> other writings obligatory in the nature of a bond, recognizance or conditional undertaking, and
> any of said Officers may, at any time, remove any such appointee and revoke the power and
> authority given him/her.

does hereby appoint **Connie Smith**

, its true and lawful attorney(s)-in-fact, full authority to execute on SICA's behalf fidelity and surety bonds or undertakings and other documents of a similar character issued by SICA in the course of its business, and to bind SICA thereby as fully as if such instruments had been duly executed by SICA's regularly elected officers at its principal office, in amounts or penalties not exceeding the sum of: **$30,000,000.00**

Signed this **1st** day of **November**, **2024**

SELECTIVE INSURANCE COMPANY OF AMERICA

By: _____
Brian C. Sarisky
Its SVP, Strategic Business Units, Commercial Lines

SELECTIVE INSURANCE COMPANY OF AMERICA CORPORATE SEAL 1926 NEW JERSEY

STATE OF NEW JERSEY :
:ss. Branchville
COUNTY OF SUSSEX :

On this **1st** day of **November**, **2024** before me, the undersigned officer, personally appeared Brian C. Sarisky, who acknowledged himself to be the Sr. Vice President of SICA, and that he, as such Sr. Vice President, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the corporation by himself as Sr. Vice President and that the same was his free act and deed and the free act and deed of SICA. **B1323343**

Charlene Kimble
NOTARY PUBLIC
STATE OF NEW JERSEY
ID # N/A
MY COMMISSION EXPIRES 6/2/26

Notary Public

CHARLENE KIMBLE NOTARY PUBLIC NEW JERSEY

The power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of SICA at a meeting duly called and held on the 6th of February 1987, to wit:

"RESOLVED, the Board of Directors of Selective Insurance Company of America authorizes and approves the use of a facsimile corporate seal, facsimile signatures of corporate officers and notarial acknowledgements thereof on powers of attorney for the execution of bonds, recognizances, contracts of indemnity and other writing obligatory in the nature of a bond, recognizance or conditional undertaking."

CERTIFICATION

I do hereby certify as SICA's Corporate Secretary that the foregoing extract of SICA's By-Laws and Resolution are still in force and effect and this Power of Attorney issued pursuant to and in accordance with the By-Laws is valid.

Signed this **1st** day of **November**, **2024**.

Michael H. Lanza, SICA Corporate Secretary

SELECTIVE INSURANCE COMPANY OF AMERICA CORPORATE SEAL 1926 NEW JERSEY

Important Notice: If the bond number embedded within the Notary Seal does not match the number in the upper right-hand corner of this Power of Attorney, contact us at 973-948-3000.

B91 (4-14)

CERTIFIED COPY

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

Design Build of Solar Electric PV System for Administration Center (98 kW), Justice Center (166 kW) and Highway Shop (70 kW)

For
Ozaukee County

BID PROPOSAL

TO: Ozaukee County
121 W Main Street
Port Washington, WI 53074-0994

The undersigned having become familiar with the local conditions effecting the cost of the work and with the Project Documents including the form of Proposal, Form of Contract, Special Provisions, Specifications, and Addenda and Exhibits issued and attached to the Official Contract Document on file in the office of the Ozaukee County, hereby proposes to perform everything required to be performed and to provide and furnish all of the labor, materials, necessary tools, equipment, expendable and otherwise and all utility and transportation services necessary to perform and complete in a workmanlike manner all of the work required for and the work described in the following Bid Schedule, in accordance with the following specifications as prepared by Ozaukee County including Addenda Nos. 1, ___, ___, and ___, issued thereto for the sums set forth in the following Proposal Schedule.

I. BID LUMP SUM

State the amount to provide design and construction of three rooftop mounted Solar Electric PV Systems on Ozaukee County's Administration Center (98 kW), Justice Center (166 kW), and Highway Shop (70 kW), including all labor and material to design, furnish and install and the related work of other trades described herein.

BID LUMP SUM $655,688.71

Total Bid Price(in dollars written) SIX HUNDRED FIFTY FIVE THOUSAND SIX HUNDRED EIGHTY EIGHT AND 71/100 DOLLARS

8

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

II. BID CONDITIONS:

(1) TOTAL BID PRICE:

The Undersigned has carefully checked the above Bid Price Schedule against the provisions of the Request for Proposal and Project Documents before preparing this Bid and accepts as correctly listing the complete work to be done in accordance with the Request for Proposal, Project Documents.

(2) BID SECURITY

Accompanying this Bid is a (Certified Check) (Bank Draft) (Bid Bond) in the amount of $Eight Thousand Four Hundred Eighty and 71/100 DOLLARS ($8,480.71) payable to (which protects) the Owner, and which it is agreed, will be retained by the Owner as liquidated damages if the undersigned fails to execute the Contract in conformance with the form of Contract incorporated in the Project Documents, and furnish a Performance Bond as specified within ten (10) days from the notification of the award of the Contract to the undersigned.

In submitting this Bid, it is understood and agreed by the undersigned, that the right is reserved by the Owner to reject any or all Bids. It is further understood and agreed that this Proposal may not be withdrawn for a period of sixty (60) days from the opening thereof.

(3) STARTING AND COMPLETION

If awarded a contract under this proposal, the undersigned agrees to commence work on the project within ten (10) days after receipt of formal notice to proceed from Ozaukee County. Ozaukee County anticipates awarding this contract **November 21, 2024**, and anticipates issuing the formal notice to proceed after **December 1, 2024.** Construction to start on or about **Spring, or as early as weather allows, 2025**. All work shall be substantially completed by **end of Summer, 2025**.

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

(4) SUBCONTRACTOR LISTING

The undersigned proposes to employ the following listed subcontractors for the following enumerated classes of work and not to alter or add to such a list without the written consent of the owner.

Class of Work	Subcontractor/Supplier Name	Percent (%) Value of Total Proposal Price
1.		
2.		
3.		
4.		
5.		

I hereby certify that all statements are made on behalf of ARCH SOLAR C&I, INC.
Name of Co. Submitting Bid

_____, State of WISCONSIN, that I have examined and carefully prepared this proposal from the specification and have checked the same in detail before submission; that I have full authority to make such statements and proposal in (its, their, my) behalf, and that said statements are true and correct.

Signed By: _____ Date: 11/8/2024

Title: HEAD OF PROJECT DEVELOPMENT

Company: ARCH SOLAR C&I, INC.

Attachment: Arch Solar Proposal_11-14-2024 (Review/Approve Award of Solar PV Systems - Admin, Hwy, Justice)

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Facilities Management**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Facilities Financials - Nov 2024

ATTACHMENTS:

- Facilities Financials - Nov 2024 (PDF)

PUBLIC WORKS COMMITTEE

Ozaukee County Committee Report

General Fund Facilities Management

For the Ten Months Ending Thursday, October 31, 2024
Profit and Loss Statement ACTUAL TO AMENDED BUDGET

	Current Month Actual	2024 YTD Actual	2024 Amended Budget	Budget Balance	% Budget YTD
Revenues					
Interdepartmental Charges	$6,074	$60,738	$74,386	$13,648	81.65%
Other Revenue	-	$500	-	($500)	0.00%
Total Revenues	**$6,074**	**$61,238**	**$74,386**	**$13,148**	**82.32%**
Expenditures					
Salaries	$54,289	$617,513	$724,702	$107,189	85.21%
Fringe Benefits	$18,898	$230,692	$177,445	($53,247)	130.01%
Travel/Training	-	$319	$100	($219)	319.00%
Supplies	$11,759	$85,398	$115,265	$29,867	74.09%
Purchased Services	$38,237	$412,047	$427,378	$15,331	96.41%
Interdepartment Charges	$1,791	$61,284	$41,116	($20,168)	149.05%
Other Expenses	-	$2,465	$2,270	($195)	108.59%
Total Operating Expenditures	**$124,974**	**$1,409,718**	**$1,488,276**	**$78,558**	**94.72%**
Capital Outlay					
Total Expenditures	**$124,974**	**$1,409,718**	**$1,488,276**	**$78,558**	**94.72%**
Net Increase (Decrease)	**($118,900)**	**($1,348,480)**	**($1,413,890)**	**($65,410)**	**95.37%**

Equity:

Attachment: Facilities Financials - Nov 2024 (Facilities Financials - Nov 2024)

Ozaukee County Committee Report

Special Revenue Fund Fair Grounds

For the Ten Months Ending Thursday, October 31, 2024

Profit and Loss Statement ACTUAL TO AMENDED BUDGET

	Current Month Actual	2024 YTD Actual	2024 Amended Budget	Budget Balance	% Budget YTD
Revenues					
Taxes	$9,918	$99,181	$119,017	$19,836	83.33%
Public Charges for Services	$14,278	$189,432	$212,634	$23,202	89.09%
Interest Revenue	-	$3,238	$10,000	$6,762	32.38%
Other Revenue	-	-	$3,000	$3,000	0.00%
Total Revenues	**$24,196**	**$291,851**	**$344,651**	**$52,800**	**84.68%**
Expenditures					
Salaries	$7,397	$54,396	$82,276	$27,880	66.11%
Fringe Benefits	$3,323	$12,932	$39,677	$26,745	32.59%
Travel/Training	-	$562	$500	($62)	112.40%
Supplies	$4,144	$21,855	$24,675	$2,820	88.57%
Purchased Services	$7,263	$172,804	$179,800	$6,996	96.11%
Interdepartment Charges	$298	$20,465	$11,473	($8,992)	178.38%
Other Expenses	-	$5,250	$6,250	$1,000	84.00%
Total Operating Expenditures	**$22,425**	**$288,264**	**$344,651**	**$56,387**	**83.64%**
Capital Outlay					
Total Expenditures	**$22,425**	**$288,264**	**$344,651**	**$56,387**	**83.64%**
Net Increase (Decrease)	**$1,771**	**$3,587**	**-**	**($3,587)**	**0.00%**
Equity:					
Governmental Fund Balance	-	($204,265)	-	$204,265	0.00%

Attachment: Facilities Financials - Nov 2024 (Facilities Financials - Nov 2024)

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Transit**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Agency Fare Increase

BACKGROUND INFORMATION: Ozaukee County charges Social Service Agencies a higher rate than standard fares as those organizations receive their own Federal Funding, so they shouldn't be receiving additional Federal Funding through Ozaukee County.

Ozaukee County has charged Social Service Agencies a flat rate of $12/ride since 2018 without an increase. Currently, Ozaukee County's Agency Fare is the least expensive in the region, as shown below:

Washington County ~ $15.00/ride

Sheboygan County ~ $20.00/ride

Dane County ~ $34.25/ride

Milwaukee County ~ $35.00/ride

Waukesha County ~ $50.00/ride

ANALYSIS: In 2025, the Ozaukee County Transit System (OCTS) and SEWRPC will be conducting a fare study that addresses all fares within our shared ride service. However, with the many changes next year holds for the Ozaukee County Shared Ride system and its funding sources, starting the year out on an equal footing with our counterparts seems to be the prudent path forward.

Therefore, we recommend increasing the Agency Fare from $12/ride to $15/ride on January 1st, 2025.

FISCAL IMPACT: Balance Current Year: --

Next Year's Estimated Cost: $50,000 Increase

FUNDING SOURCE: County Levy: -- Non-County Levy: -- Indicate source: --

RECOMMENDED MOTION: Authorize the Transit Superintendent to increase the Agency Rate as presented.

PUBLIC WORKS COMMITTEE

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Transit**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Shared Ride Taxi Contract Extension

BACKGROUND INFORMATION: GO Riteway was awarded the Shared Ride Taxi (SRT) contract in 2023, which held the rates for two years. It is now time to execute the first of three individual option years.

The contractual rate of increase is determined by the June Midwest CPI-U, which will be 2.5% for 2025.

ANALYSIS: Given the extensive usage of the SRT and successful operations through GO Riteway, we recommend approving the SRT contract extension for 2025.

FISCAL IMPACT: Balance Current Year: -- Next Year's Estimated Cost: $51,156

FUNDING SOURCE: County Levy: X (40%) Non-County Levy: X (60%)

Indicate source: Federal Funding & Fares

RECOMMENDED MOTION: Authorize the Public Works Director to sign the Shared Ride Taxi Contract Extension for 2025 with GO Riteway.

PUBLIC WORKS COMMITTEE

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Transit**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Transit Ridership - Nov 2024

ATTACHMENTS:

- PWC - Transit Ridership - NOVEMBER 2024 (PDF)

PUBLIC WORKS COMMITTEE

2024 OZ CO EXPRESS BUS				
MONTH	SERVICE DAYS IN MONTH	PAX	COST/ TRIP	NET COST/ TRIP
January	22	803	$58.25	$53.52
February	21	797	$56.02	$51.89
March	21	676	$66.05	$59.89
April	22	704	$66.44	$62.84
May	22	527	$88.76	$85.25
June	20	448	$94.92	$91.92
July	22			
August	22			
September	20			
October	23			
November	20			
December	21			

Express Bus Ridership Report														
Year	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Totals**	**Average**
2011	7,812	7,181	8,740	7,810	7,731	7,559	6,826	7,608	7,776	7,933	7,868	7,051	**91,895**	**7,658**
2012	7,446	8,197	8,178	7,652	8,103	7,608	7,222	8,184	7,559	8,716	7,700	7,011	**93,576**	**7,798**
2013	7,680	7,704	7,737	7,834	8,217	7,110	7,432	7,120	7,562	8,490	7,249	6,872	**91,007**	**7,584**
2014	7,292	6,570	7,229	7,495	7,442	7,224	6,890	6,787	7,135	7,135	7,974	6,759	**85,932**	**7,161**
2015	6,774	6,110	6,859	6,629	5,875	6,756	5,985	6,335	6,525	6,798	6,271	6,063	**76,980**	**6,415**
2016	6,255	6,798	7,273	6,779	6,525	6,549	6,150	7,190	6,806	7,058	6,859	6,359	**80,601**	**6,717**
2017	6,829	6,495	7,525	6,595	7,003	6,087	5,068	5,615	5,710	6,236	5,471	4,727	**73,361**	**6,113**
2018	6,018	5,560	5,917	5,595	5,540	4,852	4,748	5,538	4,916	5,789	4,805	3,889	**63,167**	**5,264**
2019	4,062	4,568	4,927	4,804	4,515	3,876	3,934	4,213	4,176	4,855	3,830	3,529	**51,289**	**4,274**
2020	4,420	4,400	2,171										**10,991**	**3,664**
2021								44	526	577	596	471	**2,214**	**443**
2022	89		544	811	907	1,028	976	1,068	920	1,042	941	671	**8,997**	**818**
2023	631	529	634	553	542	517	486	519	449	833	730	713	**7,136**	**595**
2024	803	797	676	704	527	448							**3,955**	**659**
Same month 2024 vs 2023	**27.3%**	**50.7%**	**6.6%**	**27.3%**	**-2.8%**	**-13.3%**								
Same month 2023 vs 2022	**609.0%**		**16.5%**	**-31.8%**	**-40.2%**	**-49.7%**	**-50.2%**	**-51.4%**	**-51.2%**	**-20.1%**	**-22.4%**	**6.3%**		
Same month 2023 vs 2019	**-84.5%**	**-88.4%**	**-87.1%**	**-88.5%**	**-88.0%**	**-86.7%**	**-87.6%**	**-87.7%**	**-89.2%**	**-82.8%**	**-80.9%**	**-79.8%**		

2024 OZ CO SHARED RIDE TAXI				
MONTH	**SERVICE DAYS IN MONTH**	**TOTAL TRIPS**	**COST/ TRIP**	**NET COST/ TRIP**
January	30	7,447	$21.78	$16.82
February	29	7,748	$20.06	$19.84
March	31	7,387	$21.51	$22.43
April	30	8,082	$20.48	$18.83
May	30	7,823	$21.14	$19.31
June	30	7,082	$21.96	$19.96
July	30	7776	$22.65	$19.85
August	31	7930	$21.97	$19.06
September	29	7982	$19.96	17.02
October	31	8681	$20.64	17.86
November	29			
December	30			

Shared Ride Taxi (SRT) Ridership Report														
	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**July**	**Aug**	**Sept**	**Oct**	**Nov**	**Dec**	**Totals**	**Average**
2010 Monthly Ridership	5,820	5,665	6,795	6,251	5,803	5,858	5,928	5,666	6,353	6,870	6,870	6,709	**74,588**	**6,216**
2011 Monthly Ridership	6,479	5,819	7,561	6,724	6,786	6,433	5,850	6,775	6,872	6,997	6,854	6,736	**79,886**	**6,657**
2012 Monthly Ridership	7,780	7,901	7,811	7,240	7,721	6,875	6,769	7,511	7,193	8,807	7,869	7,274	**90,751**	**7,563**
2013 Monthly Ridership	8,343	7,809	8,221	8,148	8,403	7,356	7,619	7,612	7,727	8,778	8,202	8,102	**96,320**	**8,027**
2014 Monthly Ridership	8,238	9,244	10,091	10,203	10,106	9,204	8,983	8,475	9,004	9,863	8,461	8,719	**110,591**	**9,216**
2015 Monthly Ridership	8,900	8,835	9,812	9,523	9,208	9,030	8,611	8,496	9,070	9,613	8,578	8,837	**108,513**	**9,043**
2016 Monthly Ridership	9,448	9,601	9,968	9,830	9,282	9,172	8,642	9,374	9,345	9,915	9,547	9,445	**113,569**	**9,464**
2017 Monthly Ridership	10,218	9,810	10,512	9,399	9,732	9,222	8,773	9,934	9,543	10,338	9,584	9,214	**116,279**	**9,690**
2018 Monthly Ridership	10,143	9,513	10,122	9,565	9,764	8,805	8,376	9,173	8,746	10,245	9,259	8,424	**112,135**	**9,345**
2019 Monthly Ridership	8,816	9,252	9,921	10,021	9,648	8,337	8,056	8,798	8,609	9,667	8,535	8,046	**107,706**	**8,976**
2020 Monthly Ridership	9,024	8,706	6,011	2,549	2,717	4,275	5,135	5,205	5,926	6,155	5,308	5,456	**66,467**	**5,539**
2021 Monthly Ridership	5,568	6,103	6,443	6,396	5,814	6,140	5,770	6,022	5,970	6,083	5,924	6,194	**72,427**	**6,036**
2022 Monthly Ridership	6,091	6,263	5,783	6,429	6,097	6,328	5,924	7,163	7,134	7,248	6,852	6,453	**77,765**	**6,480**
2023 Monthly Ridership	7,326	6,853	7,678	6,926	7,499	6,761	6,251	7,035	6,714	7,412	6,929	6,535	**83,919**	**6,993**
2024 Monthly Ridership	7,447	7,748	7,387	8,082	7,823	7,082	7,776	7,930	7,982	8,681			**77,938**	**7,794**
Same month 2023 vs 2024	**1.7%**	**13.1%**	**-3.8%**	**16.7%**	**4.3%**	**4.7%**	**24.4%**	**12.7%**	**18.9%**	**17.1%**	**-100.0%**	**-100.0%**		
Same month 2024 vs 2019	**-15.5%**	**-16.3%**	**-25.5%**	**-19.3%**	**-18.9%**	**-15.1%**	**-3.5%**	**-9.9%**	**-7.3%**	**-10.2%**	**-100.0%**	**-100.0%**		

MONTH	TOTAL TRIPS	HOURS	INVOICE	LESS FARES
January	7,447	4,930	$162,197.00	$125,276.50
February	7,748	4,725	$155,452.50	$153,686.25
March	7,387	4,830	$158,907.00	$165,707.25
April	8,082	4,930	$162,197.00	$149,155.15
May	7,823	4,930	$162,197.00	$147,555.00
June	7,082	4,625	$152,162.50	$138,282.95
July	7,776	4,930	$172,057.00	$150,790.85
August	7930	4991	$174,185.90	$151,161.20
September	7982	4564	$159,283.60	$135,836.67
October	8681	5135	$179,211.50	$155,052.20
November				
December				
TOTAL	**77,938**	**48,590**	**$1,637,851.00**	**$1,472,504.02**

Shared Ride Taxi (SRT): Cross-County Trips														
	Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Totals**	**Average**
2021	N/A	N/A	N/A	82	80	136	156	125	102	132	126	93	**1,032**	**115**
2022	149	140	191	201	201	179	159	211	198	208	165	182	**2,184**	**182**
2023	215	202	212	169	181	182	183	231	239	219	195	210	**2438**	**203**
2024	158	156	166	145	164	124	142	131	133	148			**1467**	**147**
Same month 2023 vs 2024	-27%	-23%	-22%	-14%	-9%	-32%	-22%	-43%	-44%	-32%	-100%	-100%		

Attachment: PWC - Transit Ridership - NOVEMBER 2024 (Transit Ridership - Nov 2024)

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Transit**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Transit Financials - Nov 2024

ATTACHMENTS:

- Transit Financials - Nov 2024 (PDF)

PUBLIC WORKS COMMITTEE

Ozaukee County Committee Report

Special Revenue Fund Transit Services

For the Ten Months Ending Thursday, October 31, 2024

Profit and Loss Statement ACTUAL TO AMENDED BUDGET

	Current Month Actual	2024 YTD Actual	2024 Amended Budget	Budget Balance	% Budget YTD
Revenues					
Taxes	$20,736	$207,357	$248,828	$41,471	83.33%
Intergovernmental Revenues	$305,620	$2,470,369	$2,262,417	($207,952)	109.19%
Public Charges for Services	$3,624	$282,721	$524,500	$241,779	53.90%
Intergovernmental Charges	-	$1,721	-	($1,721)	0.00%
Fines/Forfeitures/Penalties	-	-	$6,300	$6,300	0.00%
Interest Revenue	$557	$7,084	-	($7,084)	0.00%
Other Revenue	$4,725	$20,120	$883,086	$862,966	2.28%
Total Revenues	**$335,262**	**$2,989,372**	**$3,925,131**	**$935,759**	**76.16%**
Expenditures					
Salaries	$8,521	$90,109	$111,628	$21,519	80.72%
Fringe Benefits	$2,466	$26,476	$17,885	($8,591)	148.03%
Travel/Training	-	$1,947	$6,500	$4,553	29.95%
Supplies	$920	$296,781	$273,009	($23,772)	108.71%
Purchased Services	$2,354	$1,785,547	$2,998,515	$1,212,968	59.55%
Interdepartment Charges	$4,565	$176,291	$184,980	$8,689	95.30%
Other Expenses	-	$54,373	$39,364	($15,009)	138.13%
Total Operating Expenditures	**$18,826**	**$2,431,524**	**$3,631,881**	**$1,200,357**	**66.95%**
Capital Outlay					
Equipment & Furniture	$29,279	$473,844	$293,250	($180,594)	161.58%
Total Capital Outlay	**$29,279**	**$473,844**	**$293,250**	**($180,594)**	**161.58%**
Total Expenditures	**$48,105**	**$2,905,368**	**$3,925,131**	**$1,019,763**	**74.02%**
Net Increase (Decrease)	**$287,157**	**$84,004**	**-**	**($84,004)**	**0.00%**
Equity:					
Governmental Fund Balance	-	($2,311,924)	-	$2,311,924	0.00%

Attachment: Transit Financials - Nov 2024 (Transit Financials - Nov 2024)

ORDINANCE NO. (ID # 10413)

AMENDING SECTION 3.07 (1) OF THE OZAUKEE COUNTY CODE OF ORDINANCES PERTAINING TO THE ALL-TERRAIN VEHICLE CODE

An Ordinance amending Section 3.07 (1) of the Ozaukee County Code of Ordinances pertaining to the All-Terrain Vehicle Code.

The County Board of Supervisors of the County of Ozaukee does ordain that Section 3.07 (1) of the Ozaukee County Code of Ordinances be amended as follows:

3.07 OZAUKEE COUNTY ALL-TERRAIN VEHICLE CODE

(1) Operation of ATV and UTV. Pursuant to § 23.33(4)(b), Wis. Stats., except as otherwise provided in § 23.33(4), Wis. Stats., no person may operate an ATV or UTV on any Ozaukee County highway except on those portions of County highways that ~~as~~ are designated as ATV and UTV routes ~~pursuant to the Code of Ozaukee County~~.

This Ordinance shall take effect upon enactment and publication.

Dated at Port Washington, Wisconsin, this 4th day of December 2024.

SUMMARY: Amending Section 3.07 of the Ozaukee County Code of Ordinances pertaining to Ozaukee County All-Terrain Vehicle Code.

VOTE REQUIRED: Majority

PUBLIC WORKS COMMITTEE

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Highway**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Amending Section 3.07 (1) of the Ozaukee County Code of Ordinances Pertaining to the All-Terrain Vehicle Code

BACKGROUND INFORMATION: On April 3rd, 2024, the Ozaukee County Board of Supervisors amended Ordinance 3.07 (1) - All-Terrain Vehicle Code to allow All-Terrain Vehicles (ATV) & Utility-Terrain Vehicles (UTV) on a selection of County Highways tying together various roadways that multiple Towns had already approved for ATV/UTV usage.

The selection of highways was based upon a collaboration between the Ozaukee County Sheriff's Department and the Lakeshore ATV-UTV Club. Revisions to the routes were made at the Ozaukee County Board of Supervisors meeting on November 6th, 2024.

However, the Village of Fredonia has requested an alteration to the code language, which they believe precludes them from approving an ATV/UTV route that's within their Village Limits.

ANALYSIS: Based upon State Statutes, the Village of Fredonia has the ability to allow ATV/UTV vehicles on any roads within their municipal border including any County or State Highways if the Speed Limit is 35 MPH or less.

CTH A/H (Fredonia Avenue) goes through the center of the Village, and has a 35 MPH Speed Limit (or less) throughout the Village. Therefore, while Ozaukee County Sheriff Christy Knowles is concerned about traffic volume on the roadway, the Village can opt to make the County Highway an ATV/UTV route.

However, Village of Fredonia Attorney Johnathan Woodward feels that language within our ordinance requires ATV/UTV Routes to be approved by Ozaukee County. Therefore, he has requested the following revision:

> 3.07 OZAUKEE COUNTY ALL-TERRAIN VEHICLE CODE
>
> (1) Operation of ATV and UTV. Pursuant to § 23.33(4)(b), Wis. Stats., except as otherwise provided in § 23.33(4), Wis. Stats., no person may operate an ATV or UTV on any Ozaukee County highway except on those portions of County highways that ~~as~~ are designated as ATV and UTV routes ~~pursuant to the Code of Ozaukee County~~.

Neither Ozaukee County Corp Counsel Rhonda Gorden or Public Works Director Jon Edgren have any objections to the request.

FISCAL IMPACT: Balance Current Year: -- Next Year's Estimated Cost: --

FUNDING SOURCE: County Levy: -- Non-County Levy: --

Indicate source: --

RECOMMENDED MOTION: Approve the Ordinance revisions to Section 3.07 (1) - All-Terrain Vehicle Code as submitted.

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Highway**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Southeast Wisconsin Regional Planning Commission's 2025 County Surveyor's Services Agreement

BACKGROUND INFORMATION: The Southeastern Wisconsin Regional Planning Commission (SEWRPC) has served as the Ozaukee County Deputy Surveyor since March, 2012, and as the County Surveyor since February, 2017. SEWRPC performs numerous duties including the replacement of broken, disturbed and missing U.S. Public Land Survey corner monuments and ancillary witness and bench marks, and the preparation of related records.

ANALYSIS: The proposed agreement (attached) covers the period from January 1 to December 31, 2025 at a total cost of $53,542, which is an increase of $530.

The past contracts amounts were:

2013:	$38,000
2014:	$37,868
2015 to 2023:	$52,487
2024:	$53,012

FISCAL IMPACT: Balance Current Year: $53,542 Next Year's Estimated Cost: --

FUNDING SOURCE: County Levy: X Non-County Levy: --

Indicate source: --

RECOMMENDED MOTION: Approve SEWRPC's 2025 County Surveyor Services Agreement as presented.

ATTACHMENTS:

- SEWRPC - 2025 Ozaukee Cty Surveyor Agreement (PDF)

PUBLIC WORKS COMMITTEE

AGREEMENT

COUNTY SURVEYOR SERVICES: OZAUKEE COUNTY 2025

THIS AGREEMENT, entered into this ____ day of _____ 2024, by and between the Southeastern Wisconsin Regional Planning Commission (hereinafter referred to as the "Commission"); and Ozaukee County (hereinafter referred to as the "County").

WITNESSETH:

WHEREAS, on April 23, 1970, the County abolished the elected office of County Surveyor in favor of employing a County Surveyor pursuant to [then Section 59.12, now] Section 59.20 of the *Wisconsin Statutes*, to carry out the functions and duties of a County Surveyor as set forth in Section 59.45 (previously Sections 59.60 and 59.635) of the *Wisconsin Statutes*; and

WHEREAS, the County Surveyor is responsible for:

(1) perpetuating the corners of the U.S. Public Land Survey which are subject to destruction, removal, and burial through construction and other activities;
(2) maintaining the horizontal and vertical control survey networks in Ozaukee County which assign State Plane Coordinate values as warranted and referred to the North American Datum of 1983 with the National Readjustment of 2011 and legacy North American Datum of 1927 to each monumented U.S. Public Land Survey corner, and elevations also as warranted and referred to the North American Vertical Datum of 1988 and legacy National Geodetic Vertical Datum of 1929 to the monuments and accessory bench marks;
(3) preparing records of the U.S. Public Land Survey corners and bench marks as monumented by the County Surveyor (dossier sheets) and attendant control survey diagrams;
(4) maintaining a record of the surveys made for such perpetuation; and
(5) receiving, indexing, and filing as a public record, a copy of each land survey plat prepared by a land surveyor practicing in Ozaukee County; and

WHEREAS, the Commission maintains a staff knowledgeable, experienced, and fully qualified to perform the statutory duties of a County Surveyor; and

WHEREAS, Ozaukee County desires to employ the Commission as an Independent Contractor to perform the statutory duties of a County Surveyor; and

WHEREAS, the Commission has indicated its willingness to serve as Ozaukee County Surveyor; and

WHEREAS, Section 66.0301 of the Wisconsin Statutes authorizes the Commission to enter into contracts with local units of government and their agents for the furnishing of services required by law.

NOW, THEREFORE, in consideration of these premises and of their mutual and dependent promises and agreements, the parties hereto contract and agree as follows:

1. The Commission assigns its Chief Surveyor to serve as Ozaukee County Surveyor until the Commission no longer performs the County Surveyor function under a professional services contract; and

Attachment: SEWRPC - 2025 Ozaukee Cty Surveyor Agreement (2025 SEWRPC Agreement)

2. Scope of Work

In general, the Commission shall serve as County Surveyor for Ozaukee County and in such capacity be responsible for the duties enumerated in Section 59.45 of the *Wisconsin Statutes* on behalf of Ozaukee County. More specifically, the Commission will perform the following functions:

a. Perpetuation of the U.S. Public Land Survey System

The Commission shall as required perpetuate the U.S. Public Land Survey System section, quarter-section, meander and witness corners and attendant horizontal and vertical control survey networks and network data within Ozaukee County. The survey monumentation, and the attendant land and control surveys, shall be carried out in accordance with all Statutory requirements; the specifications for such monumentation and attendant land and control surveys, and related documentation as set forth in Technical Report No. 7, "Horizontal and Vertical Survey Control in Southeastern Wisconsin", Third Edition, August 1996; and good surveying practice.

Fieldwork will include the replacement of broken, disturbed, and missing U.S. Public Land Survey corner monuments and ancillary witness and bench marks and the preparation of related records. The work will also include the perpetuation U.S. Public Land Survey System corner monuments corner locations in preparation for proposed construction and other activities, including particularly street and highway construction activities, that would otherwise lead to destruction of U.S. Public Land Survey System corner monuments and loss of true corner locations.

b. Electronic Dissemination of Survey Data

The Commission shall make the data on the location and monumentation of the U.S. Public Land Survey System corners and the attendant horizontal and vertical control survey data collected and collated through the County Surveyor function in Ozaukee County available on the Commission's Land Information Website. Including the "Record of U.S. Public Land Survey" documents (corner dossier sheets) and the control survey diagrams. In addition, the Commission shall cooperate with the State Cartographer's Office to ensure that survey data for Ozaukee County is also available for public website viewing.

c. Filing and Dissemination of Plats of Survey

The Wisconsin Statutes require that the County Surveyor provide a repository for filing of all land survey plats prepared by private surveyors operating within Ozaukee County and facilitate the dissemination of such plats to potential users including private surveyors, public works engineers, assessors and appraisers, attorneys, property owners, and interested citizens. To fulfill this function, the Ozaukee County Highway Department presently facilitates the dissemination of plats while the Commission provides the support of the United States Public Land Survey System to the County through its website.

d. Ad Hoc Land Survey Needs

The Commission will respond to specific requests from the Ozaukee Highway Commissioner to perform boundary and topographic surveys in support of County operations, including surveys for acquiring or disposing of County owned lands. Such survey work will not extend, however, to certified survey maps, the right-of-way surveys for county or state trunk highways and all engineering related surveying consistent with providing both alignment and grade for a road or construction related project.

Attachment: SEWRPC - 2025 Ozaukee Cty Surveyor Agreement (2025 SEWRPC Agreement)

e. Technical Services to Other County Staff
The Commission will, on request from the Ozaukee County Highway Commissioner, provide technical support services to other County staff. These services may include the preparation of contracts and specifications for large scale topographic and cadastral mapping and aerial imagery; and the administration and provision of quality control for such mapping and geospatial projects.

3. Timing
The work to be performed under this Agreement shall be carried out from January 1, 2025, through December 31, 2025.

4. Compensation
The County shall pay to the Commission the following sum as payment for the professional services described in Section 2 during calendar year 2025: **$53,542**. The Commission shall submit equal invoices to the County at the beginning of each calendar quarter.

5. Annual Report
The Commission shall submit to the County an annual report of services provided under this agreement by January 31, 2026.

6. Non-Discrimination
The Commission is committed to ensuring that no person is excluded from the participation in, denied the benefits of, or otherwise subjected to discrimination on the basis of race, color, national origin, disability, sex, age, religion, income status or limited English proficiency in any and all programs, activities or services administered by the Commission in accordance with Title VI of the Civil Rights Act of 1964 and related nondiscrimination authorities.

IN WITNESS WHEREOF, the Commission and the County have executed this agreement as of the date first written above.

ATTESTING WITNESS:

By _____
Stephanie Hacker, Deputy Secretary

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

By _____
Charles L. Colman, Chairman

ATTESTING WITNESS:

By _____
Jon E. Edgren, PE
Director/Highway Commissioner

OZAUKEE COUNTY, WISCONSIN

By _____
Jason G. Dzwinel,
County Administrator

RWM/EAL
#00274390 2025 Ozaukee County Surveyor Contract

Attachment: SEWRPC - 2025 Ozaukee Cty Surveyor Agreement (2025 SEWRPC Agreement)

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Highway**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary CTH E & Jay Road Intersection

BACKGROUND INFORMATION: On September 16th, 2024, an eastbound vehicle on Jay Road failed to stop at a Stop Sign, and hit a school bus, northbound on CTH E, containing roughly 40 children on their way to school.

Based upon requests from the Ozaukee County Sheriff's Department and local residents, a number of improvements were made for the intersection such as:

- Secondary (left side) Stop Signs for Eastbound & Westbound traffic on Jay Rd
- Flagging on top of "Stop Ahead" signs in advance of the Stop Signs on Jay Rd
- Reflective striping on the warning signs
- Trimmed tree branches on southeast corner

In review of the accident history from 2017 through 2024, there were five (5) accidents at the intersection with the following basic details:

- Feb 3, 2018: Failure to Stop

  Eastbound vehicle saw the Stop Sign too late, and slid into the intersection due to snow covered roadways and hit a Northbound vehicle.

- May 9, 2020: Failure to Yield

  Westbound vehicle stopped at the Stop Sign, and proceeded into the intersection and was hit by a Southbound vehicle.

- November 23, 2020: Failure to Stop

  Eastbound vehicle failed to stop at the Stop Sign, and hit a Northbound vehicle.

- September 11, 2021: Failure to Yield

  Eastbound vehicle stopped at the Stop Sign, and proceeded into the intersection and was hit by a Southbound vehicle.

- June 17, 2024: Failure to Yield

  Eastbound vehicle stopped at the Stop Sign, and waited while a Westbound vehicle turned south onto CTH E. After the Westbound vehicle cleared the intersection, the

Eastbound vehicle proceeded into the intersection, and was hit by a Northbound vehicle.

ANALYSIS: The Ozaukee County Highway Department is in process of collecting Speed Study information, such as traffic volumes and speeds, and plan to bring the data to the Public Works Committee following the study completion.

PUBLIC WORKS COMMITTEE

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Highway**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary City of Mequon's CTH W Streetscape Proposal

BACKGROUND INFORMATION: From 2019 to 2021, there were multiple discussions about the City of Mequon's desire to beautify roadways throughout their city, and they wanted to include County Trunk Highway (CTH) W (N. Port Washington Road) in their plans.

However, given the intent to allow residents to care for the medians, Public Works Director Edgren and Corporation Counsel Gorden had safety concerns with individuals with no safety training or proper traffic control equipment being in the median of a busy highway. Therefore, no agreement was ever reached.

The City of Mequon continues to desire a highway beautification project, but have altered their process by planning to use professional contractors and/or their own City staff. In 2022 the City hired Harwood Engineering Consultants to develop a streetscaping plan along CTH W (N. Port Washington Rd) from Zedler Lane to Mequon Road (STH 167), and they have continued refining their design over the last couple years. (Current plans attached.)

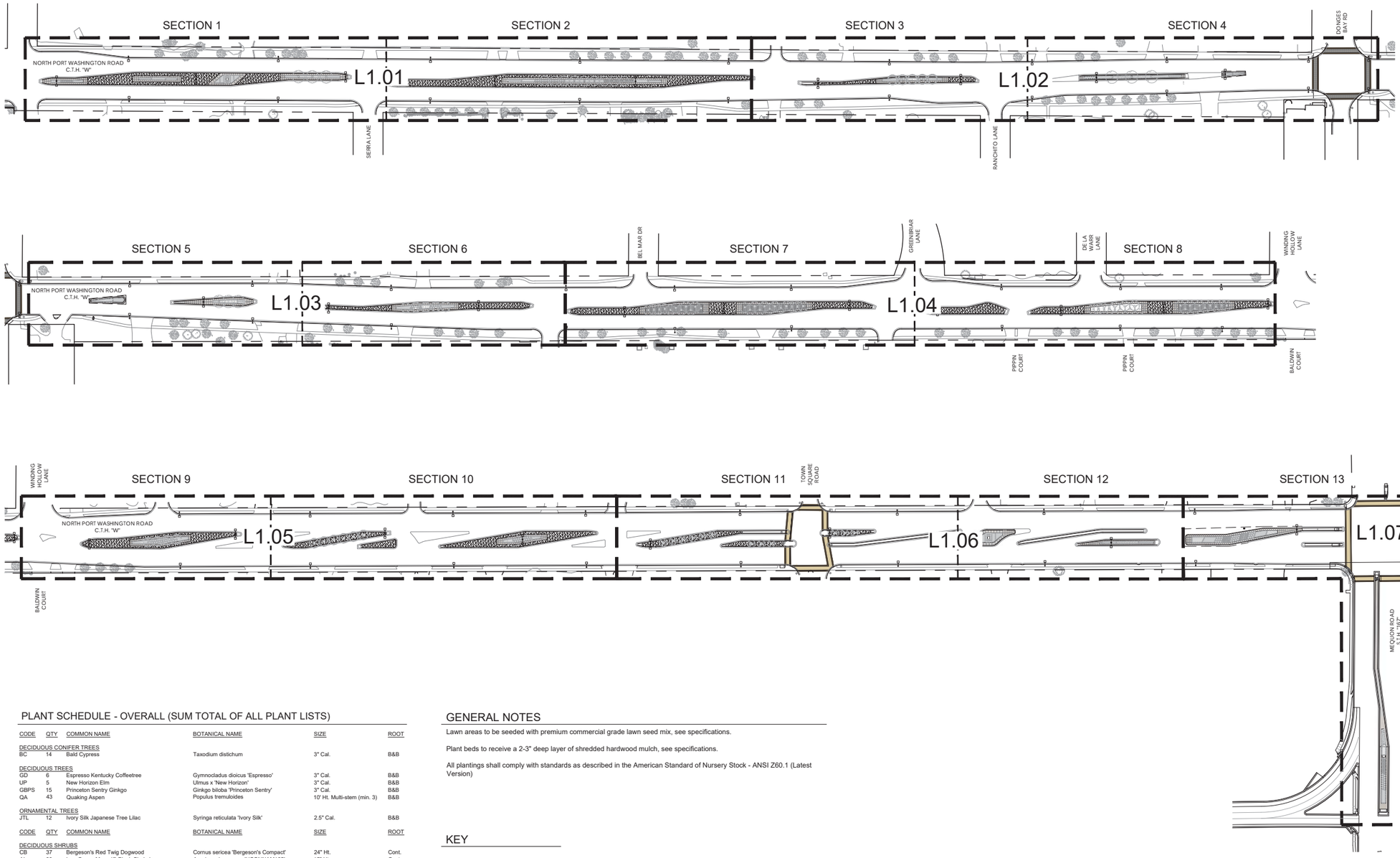
ANALYSIS: As the City intends to use professional staff to install and maintain the medians, Highway staff has no objection to the City's proposed plans as long as they're responsible for the installation, maintenance and removal of any proposed streetscaping items.

Following discussion of the CTH W Streetscaping project, if the Public Works Committee (PWC) doesn't have any significant concerns, we intend to work with City of Mequon staff to develop a Memorandum of Understanding (MOU) (original attached) for the City to assume responsibility for any installation, maintenance and/or removal of streetscaping elements within the CTH W right-of-way (ROW). A finalized MOU with a plan set would come back to the PWC upon staff agreement.

ATTACHMENTS:

- C-Mequon - CTH W Streetscape Plans - 11-11-24 - 11x17 (PDF)
- Oz Cty & C-Mequon - CTH W Streetscaping MOU - 3-3-23 (PDF)

PUBLIC WORKS COMMITTEE



PLANT SCHEDULE - OVERALL (SUM TOTAL OF ALL PLANT LISTS)

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
DECIDUOUS CONIFER TREES					
BC	14	Bald Cypress	Taxodium distichum	3" Cal.	B&B
DECIDUOUS TREES					
GD	6	Espresso Kentucky Coffeetree	Gymnocladus dioicus 'Espresso'	3" Cal.	B&B
UP	5	New Horizon Elm	Ulmus x 'New Horizon'	3" Cal.	B&B
GBPS	15	Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry'	3" Cal.	B&B
QA	43	Quaking Aspen	Populus tremuloides	10' Ht. Multi-stem (min. 3)	B&B
ORNAMENTAL TREES					
JTL	12	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	2.5" Cal.	B&B
CODE	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**SIZE**	**ROOT**
DECIDUOUS SHRUBS					
CB	37	Bergeson's Red Twig Dogwood	Cornus sericea 'Bergeson's Compact'	24" Ht.	Cont.
AL	90	Low Scape Mound® Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	15" Ht.	Cont.
SI	14	Pink-a-licious™ Fritch Spirea	Spiraea fritschiana 'J.N. Select A'	18" Ht.	Cont.
HJ	80	St. John's Wort	Hypericum kalmianum	18" Ht.	Cont.
EVERGREEN SHRUBS					
PS2	78	Slowmound Mugo Pine	Pinus mugo 'Slowmound'	12" Ht.	Cont.
ORNAMENTAL GRASSES					
SA	272	Autumn Moor Grass	Sesleria autumnalis	1 Gal.	Cont.
SB	68	Blue Heaven® Little Bluestem	Schizachyrium scoparium 'MInnblueA'	1 Gal.	Cont.
SJ	96	Jazz Little Bluestem	Schizachyrium scoparium 'Jazz'	1 Gal.	Cont.
KFG	120	Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	Cont.
PT	192	Love and Rockets Fountain Grass	Pennisetum alopecuroides 'Love and Rockets'	1 Gal.	Cont.
PERENNIALS					
AX	145	Bobblehead Ornamental Onion	Allium x 'Bobblehead'	1 Gal.	Cont.
SC	176	Carl Sedum	Sedum x 'Carl'	1 Gal.	Cont.
PL	94	Denim 'n Lace Russian Sage	Perovskia atriplicifolia 'Denim 'n Lace'	1 Gal.	Cont.
HG	108	Going Bananas Daylily	Hemerocallis x 'Going Bananas'	1 Gal.	Cont.
NN	94	Junior Walker™ Catmint	Nepeta x faassenii 'Novanepjun'	1 Gal.	Cont.
AO	142	October Skies Aster	Aster oblongifolius 'October Skies'	1 Gal.	Cont.
BX	45	Royal Purple Wild Indigo	Baptisia x 'Royal Purple'	1 Gal.	Cont.
EL	292	Sombrero® Lemon Yellow Improved Coneflower	Echinacea x 'Balsomemyim'	1 Gal.	Cont.

GENERAL NOTES

Lawn areas to be seeded with premium commercial grade lawn seed mix, see specifications.

Plant beds to receive a 2-3" deep layer of shredded hardwood mulch, see specifications.

All plantings shall comply with standards as described in the American Standard of Nursery Stock - ANSI Z60.1 (Latest Version)

KEY

TINTED CONCRETE

LAWN

CRUSHED GRANITE

DIGGER'S HOTLINE TICKET NO. 811 1-800-242-8511

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM THE WORK. FURTHERMORE, EXCAVATOR SHALL FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

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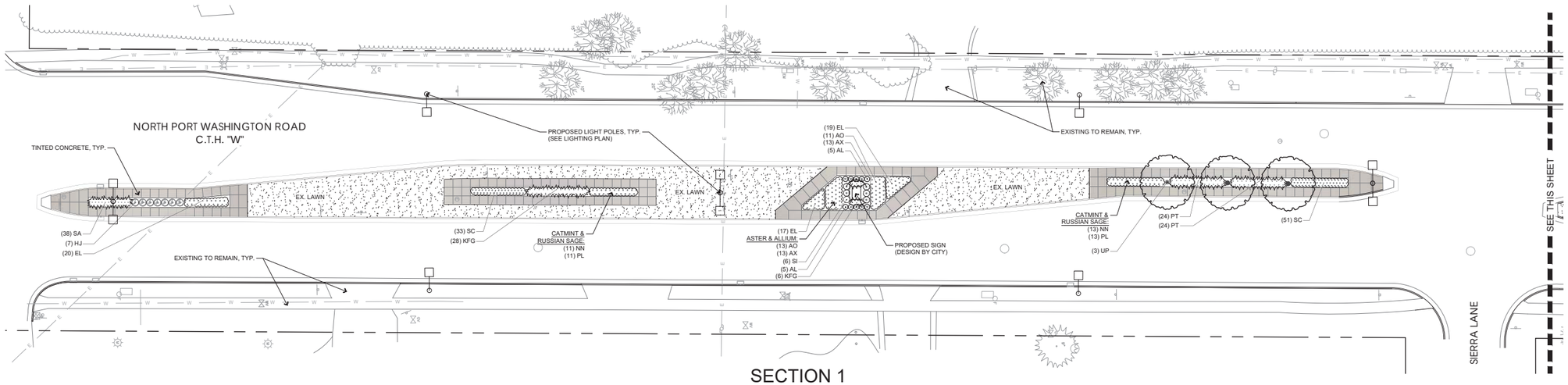
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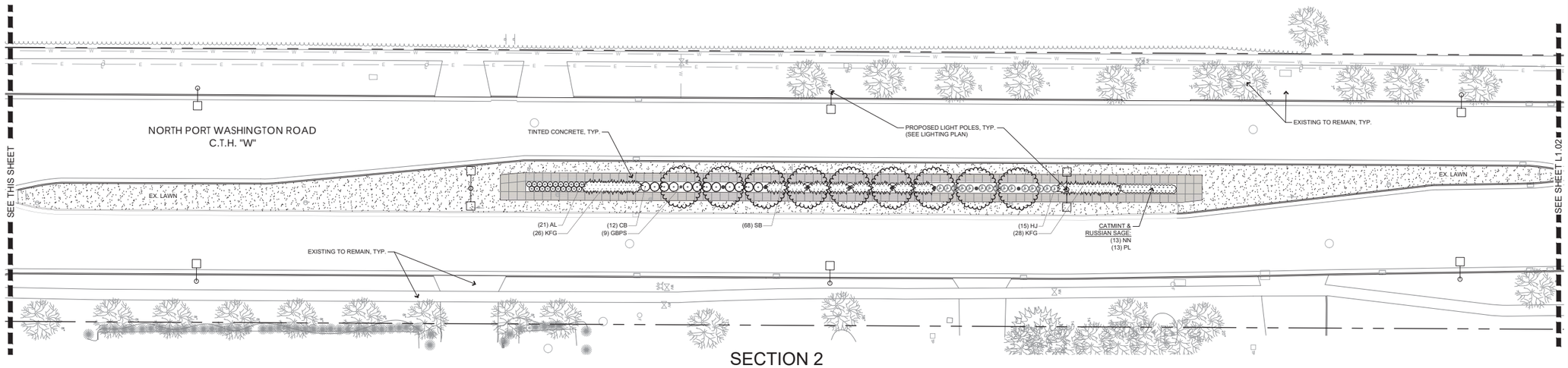
SECTION 1

PLANT SCHEDULE - SECTION 1

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES						
UP	3	New Horizon Elm	Ulmus x 'New Horizon'	3" Cal.	B&B	As Shown
CODE	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**SIZE**	**ROOT**	**SPACING**
DECIDUOUS SHRUBS						
AL	10	Low Scape Mound® Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	15" Ht.	Cont.	As Shown
SI	6	Pink-a-licious™ Fritch Spirea	Spiraea fritschiana 'J.N. Select A'	18" Ht.	Cont.	As Shown
HJ	7	St. John's Wort	Hypericum kalmianum	18" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
SA	38	Autumn Moor Grass	Sesleria autumnalis	1 Gal.	Cont.	18" o.c.
KFG	34	Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	Cont.	24" o.c.
PT	48	Love and Rockets Fountain Grass	Pennisetum alopecuroides 'Love and Rockets'	1 Gal.	Cont.	24" o.c.
PERENNIALS						
AX	26	Bobblehead Ornamental Onion	Allium x 'Bobblehead'	1 Gal.	Cont.	24" o.c.
SC	84	Carl Sedum	Sedum x 'Carl'	1 Gal.	Cont.	18" o.c.
PL	24	Denim 'n Lace Russian Sage	Perovskia atriplicifolia 'Denim 'n Lace'	1 Gal.	Cont.	24" o.c.
NN	24	Junior Walker™ Catmint	Nepeta x faassenii 'Novanepjun'	1 Gal.	Cont.	24" o.c.
AO	24	October Skies Aster	Aster oblongifolius 'October Skies'	1 Gal.	Cont.	24" o.c.
EL	56	Sombrero® Lemon Yellow Improved Coneflower	Echinacea x 'Balsomemylm'	1 Gal.	Cont.	24" o.c.

KEY

- TINTED CONCRETE
- LAWN
- CRUSHED GRANITE



SECTION 2

PLANT SCHEDULE - SECTION 2

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES						
GBPS	9	Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry'	3" Cal.	B&B	As Shown
CODE	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**SIZE**	**ROOT**	**SPACING**
DECIDUOUS SHRUBS						
CB	12	Bergeson's Red Twig Dogwood	Cornus sericea 'Bergeson's Compact'	24" Ht.	Cont.	As Shown
AL	21	Low Scape Mound® Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	15" Ht.	Cont.	As Shown
HJ	15	St. John's Wort	Hypericum kalmianum	18" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
SB	68	Blue Heaven® Little Bluestem	Schizachyrium scoparium 'MinnblueA'	1 Gal.	Cont.	24" o.c.
KFG	54	Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	Cont.	24" o.c.
PERENNIALS						
PL	13	Denim 'n Lace Russian Sage	Perovskia atriplicifolia 'Denim 'n Lace'	1 Gal.	Cont.	24" o.c.
NN	13	Junior Walker™ Catmint	Nepeta x faassenii 'Novanepjun'	1 Gal.	Cont.	24" o.c.

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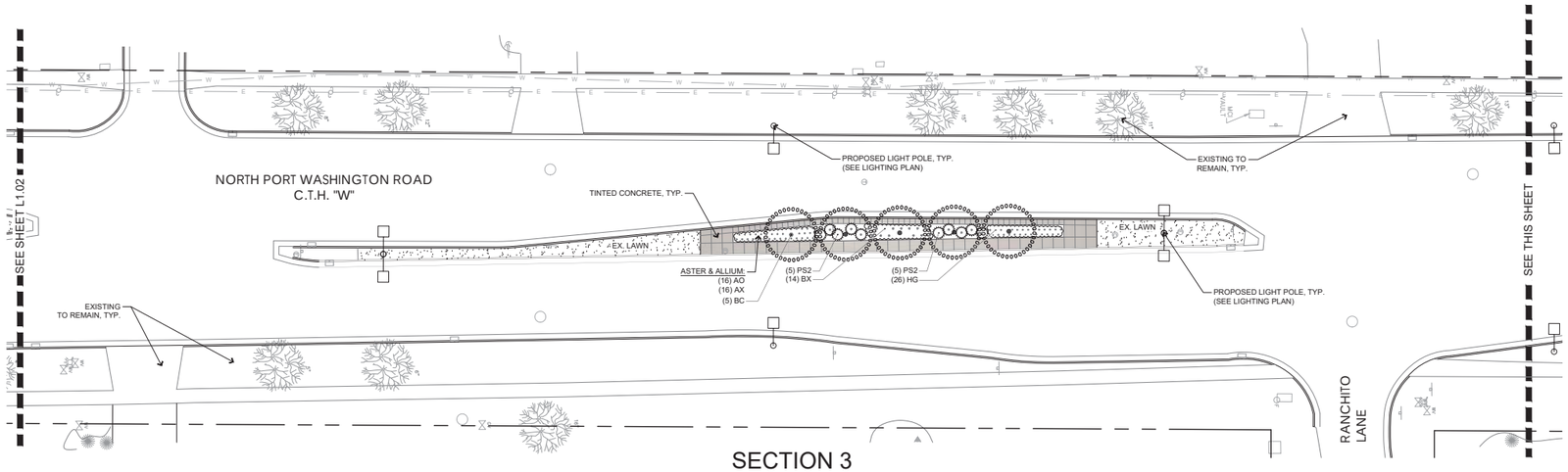
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SECTION 3

PLANT SCHEDULE - SECTION 3

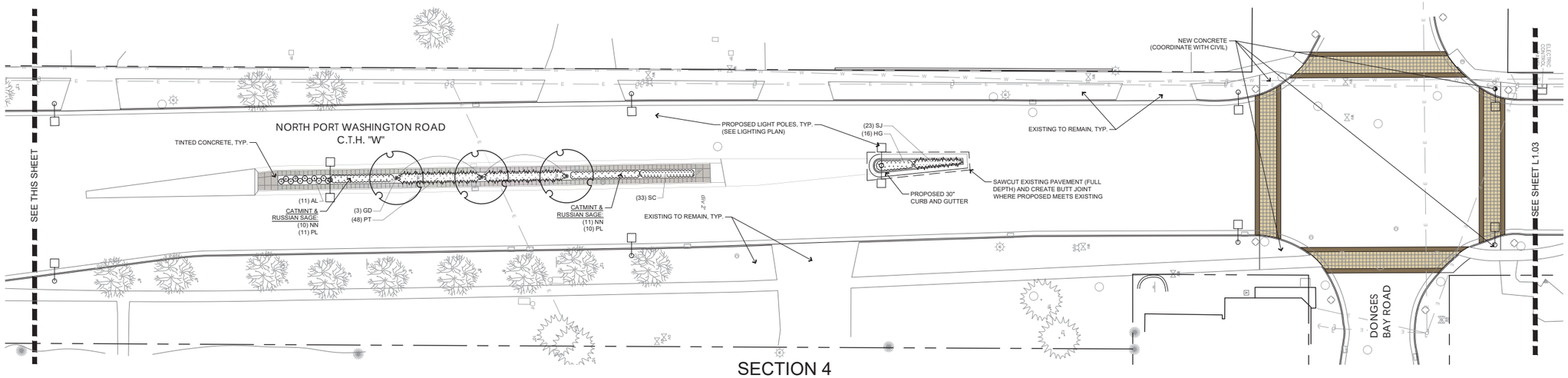
CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS CONIFER TREES						
BC	5	Bald Cypress	Taxodium distichum	3" Cal.	B&B	As Shown
CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
EVERGREEN SHRUBS						
PS2	10	Slowmound Mugo Pine	Pinus mugo 'Slowmound'	12" Ht.	Cont.	As Shown
PERENNIALS						
AX	16	Bobblehead Ornamental Onion	Allium x 'Bobblehead'	1 Gal.	Cont.	24" o.c.
HG	26	Going Bananas Daylily	Hemerocallis x 'Going Bananas'	1 Gal.	Cont.	24" o.c.
AO	16	October Skies Aster	Aster oblongifolius 'October Skies'	1 Gal.	Cont.	24" o.c.
BX	14	Royal Purple Wild Indigo	Baptisia x 'Royal Purple'	1 Gal.	Cont.	36" o.c.

KEY

TINTED CONCRETE

LAWN

CRUSHED GRANITE



SECTION 4

PLANT SCHEDULE - SECTION 4

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES						
GD	3	Espresso Kentucky Coffeetree	Gymnocladus dioicus 'Espresso'	3" Cal.	B&B	As Shown
DECIDUOUS SHRUBS						
AL	11	Low Scape Mound® Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	15" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
SJ	23	Jazz Little Bluestem	Schizachyrium scoparium 'Jazz'	1 Gal.	Cont.	18" o.c.
PT	48	Love and Rockets Fountain Grass	Pennisetum alopecuroides 'Love and Rockets'	1 Gal.	Cont.	24" o.c.
PERENNIALS						
SC	33	Carl Sedum	Sedum x 'Carl'	1 Gal.	Cont.	18" o.c.
PL	21	Denim 'n Lace Russian Sage	Perovskia atriplicifolia 'Denim 'n Lace'	1 Gal.	Cont.	24" o.c.
HG	16	Going Bananas Daylily	Hemerocallis x 'Going Bananas'	1 Gal.	Cont.	24" o.c.
NN	21	Junior Walker™ Catmint	Nepeta x faassenii 'Novanepjun'	1 Gal.	Cont.	24" o.c.

DIGGER'S HOTLINE
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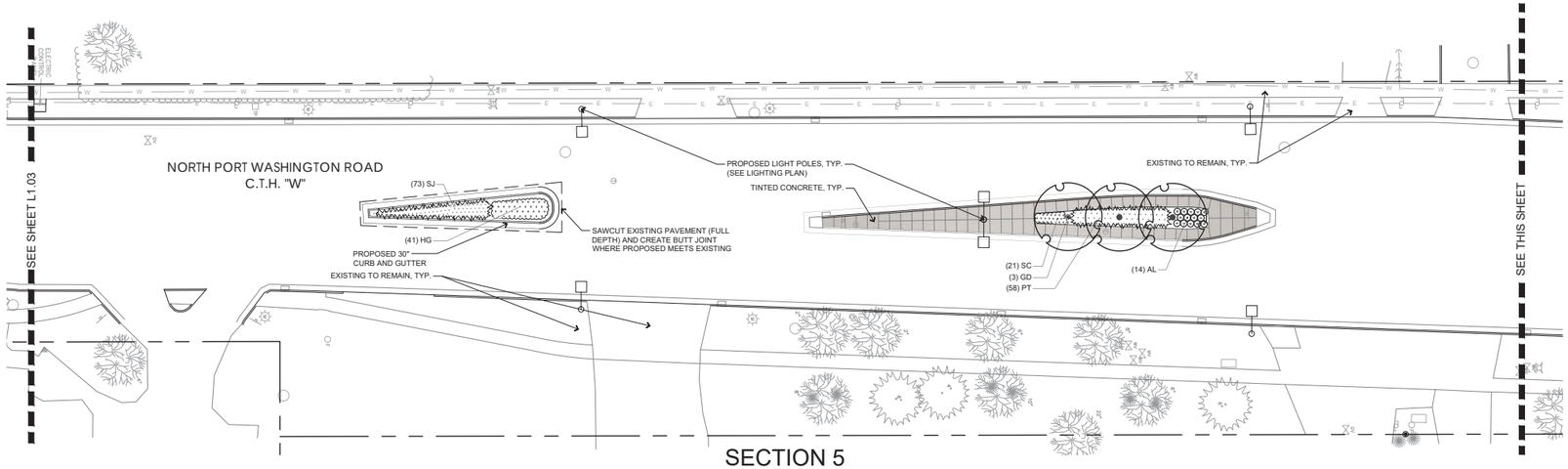
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SECTION 5

PLANT SCHEDULE - SECTION 5

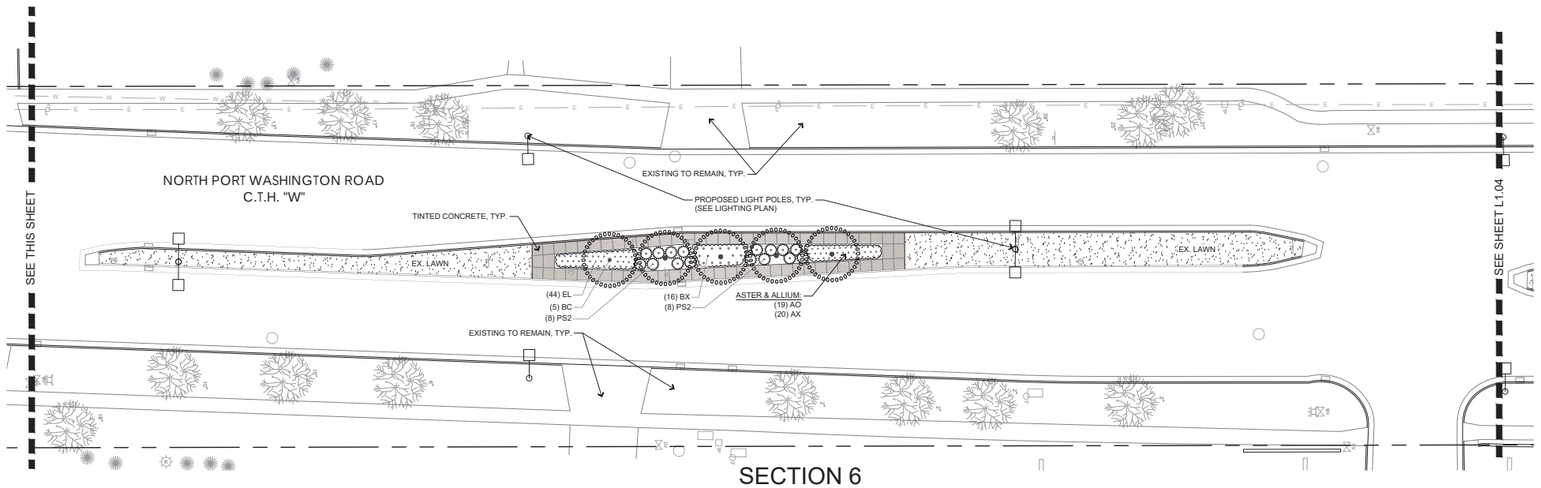
CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES						
GD	3	Espresso Kentucky Coffeetree	Gymnocladus dioicus 'Espresso'	3" Cal.	B&B	As Shown
DECIDUOUS SHRUBS						
AL	14	Low Scape Mound® Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	15" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
SJ	73	Jazz Little Bluestem	Schizachyrium scoparium 'Jazz'	1 Gal.	Cont.	18" o.c.
PT	58	Love and Rockets Fountain Grass	Pennisetum alopecuroides 'Love and Rockets'	1 Gal.	Cont.	24" o.c.
PERENNIALS						
SC	21	Cart Sedum	Sedum x 'Cart'	1 Gal.	Cont.	18" o.c.
HG	41	Going Bananas Daylily	Hemerocallis x 'Going Bananas'	1 Gal.	Cont.	24" o.c.

KEY

TINTED CONCRETE

LAWN

CRUSHED GRANITE



SECTION 6

PLANT SCHEDULE - SECTION 6

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS CONIFER TREES						
BC	5	Bald Cypress	Taxodium distichum	3" Cal.	B&B	As Shown
CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
EVERGREEN SHRUBS						
PS2	16	Slowmound Mugo Pine	Pinus mugo 'Slowmound'	12" Ht.	Cont.	As Shown
PERENNIALS						
AX	20	Bobblehead Ornamental Onion	Allium x 'Bobblehead'	1 Gal.	Cont.	24" o.c.
AO	19	October Skies Aster	Aster oblongifolius 'October Skies'	1 Gal.	Cont.	24" o.c.
BX	16	Royal Purple Wild Indigo	Baptisia x 'Royal Purple'	1 Gal.	Cont.	36" o.c.
EL	44	Sombrero® Lemon Yellow Improved Coneflower	Echinacea x 'Balsomemyim'	1 Gal.	Cont.	24" o.c.

DIGGER'S HOTLINE 1-800-242-8511

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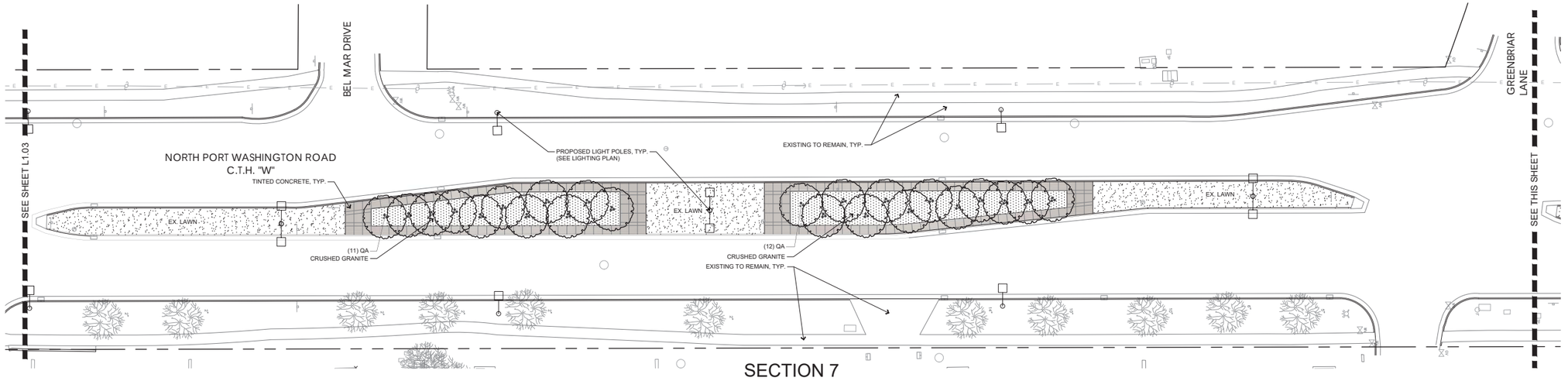
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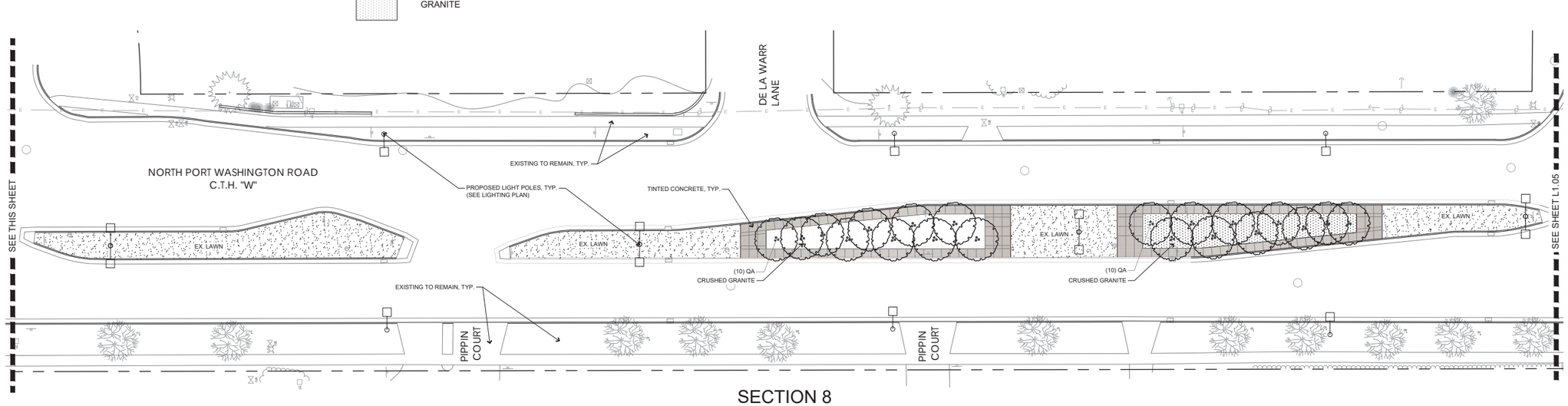
SECTION 7

PLANT SCHEDULE - SECTION 7

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES						
QA	23	Quaking Aspen	Populus tremuloides	10' Ht. Multi-stem (min. 3)	B&B	As Shown

KEY

- TINTED CONCRETE
- LAWN
- CRUSHED GRANITE



SECTION 8

PLANT SCHEDULE - SECTION 8

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACI
DECIDUOUS TREES						
QA	20	Quaking Aspen	Populus tremuloides	10' Ht. Multi-stem (min. 3)	B&B	As Sho

DIGGER'S HOTLINE TOLL FREE 1-800-242-8511

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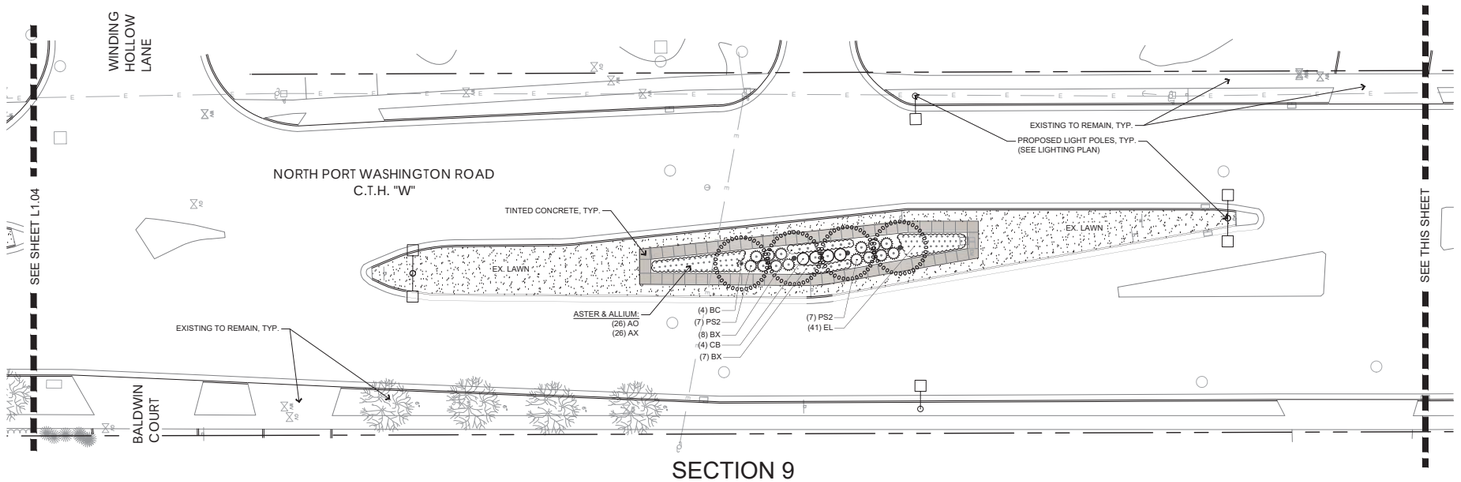
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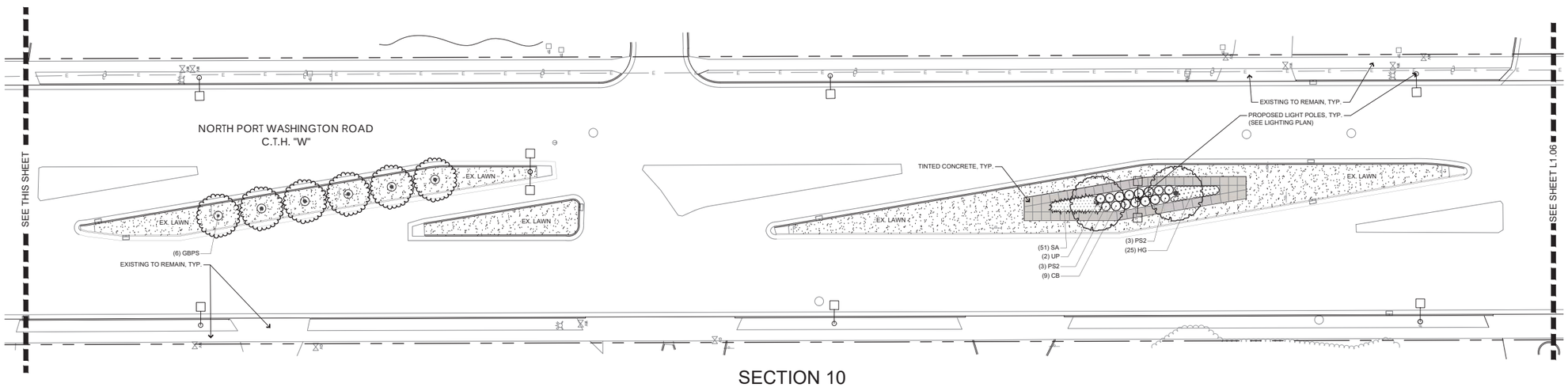
SECTION 9

PLANT SCHEDULE - SECTION 9

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS CONIFER TREES						
BC	4	Bald Cypress	Taxodium distichum	3" Cal.	B&B	As Shown
CODE	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**SIZE**	**ROOT**	**SPACING**
DECIDUOUS SHRUBS						
CB	4	Bergeson's Red Twig Dogwood	Cornus sericea 'Bergeson's Compact'	24" Ht.	Cont.	As Shown
EVERGREEN SHRUBS						
PS2	14	Slowmound Mugo Pine	Pinus mugo 'Slowmound'	12" Ht.	Cont.	As Shown
PERENNIALS						
AX	26	Bobblehead Ornamental Onion	Allium x 'Bobblehead'	1 Gal.	Cont.	24" o.c.
AO	26	October Skies Aster	Aster oblongifolius 'October Skies'	1 Gal.	Cont.	24" o.c.
BX	15	Royal Purple Wild Indigo	Baptisia x 'Royal Purple'	1 Gal.	Cont.	36" o.c.
EL	41	Sombrero® Lemon Yellow Improved Coneflower	Echinacea x 'Balsomemylm'	1 Gal.	Cont.	24" o.c.

KEY

- TINTED CONCRETE
- LAWN
- CRUSHED GRANITE



SECTION 10

PLANT SCHEDULE - SECTION 10

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS TREES						
UP	2	New Horizon Elm	Ulmus x 'New Horizon'	3" Cal.	B&B	As Shown
GBPS	6	Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry'	3" Cal.	B&B	As Shown
CODE	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**SIZE**	**ROOT**	**SPACING**
DECIDUOUS SHRUBS						
CB	9	Bergeson's Red Twig Dogwood	Cornus sericea 'Bergeson's Compact'	24" Ht.	Cont.	As Shown
EVERGREEN SHRUBS						
PS2	6	Slowmound Mugo Pine	Pinus mugo 'Slowmound'	12" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
SA	51	Autumn Moor Grass	Sesleria autumnalis	1 Gal.	Cont.	18" o.c.
PERENNIALS						
HG	25	Going Bananas Daylily	Hemerocallis x 'Going Bananas'	1 Gal.	Cont.	24" o.c.

DIGGER'S HOTLINE TICKET NO. 20242311

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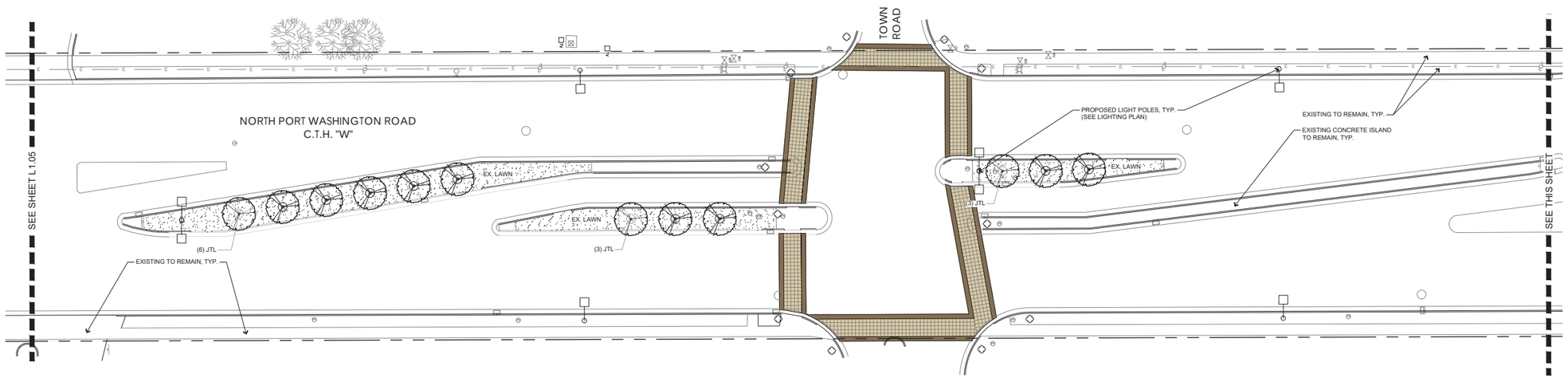
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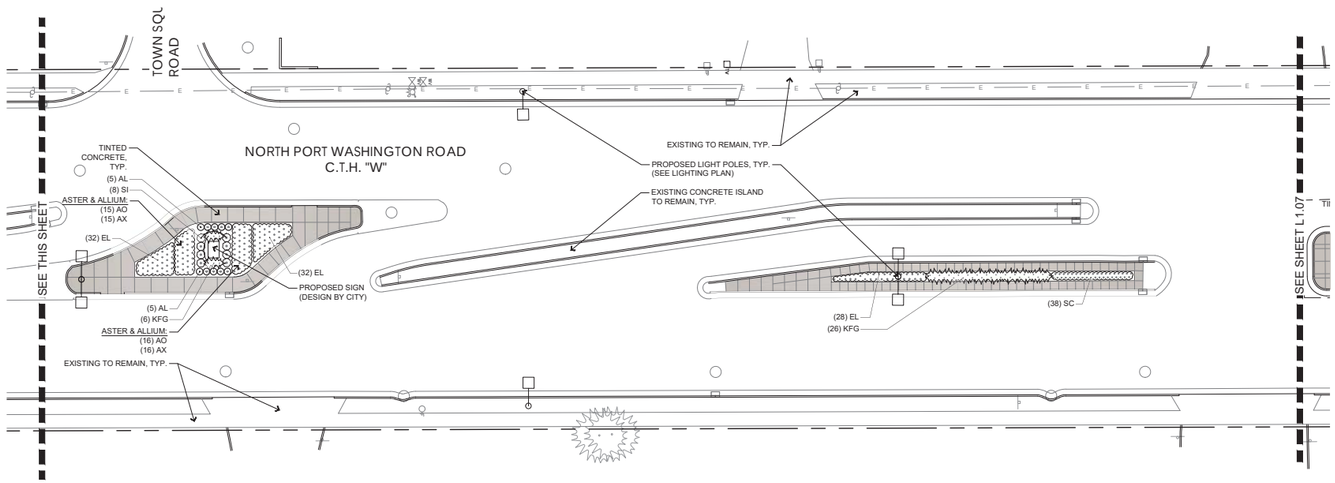


PLANT SCHEDULE - SECTION 11

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
ORNAMENTAL TREES						
JTL	12	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	2.5" Cal.	B&B	As Shown

KEY

- TINTED CONCRETE
- LAWN
- CRUSHED GRANITE



PLANT SCHEDULE - SECTION 12

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS SHRUBS						
AL	10	Low Scape Mound® Black Chokeberry	Aronia melanocarpa 'UCONNAM165'	15" Ht.	Cont.	As Shown
SI	8	Pink-a-licious™ Fritch Spirea	Spiraea fritschiana 'J.N. Select A'	18" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
KFG	32	Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.	Cont.	24" o.c.
PERENNIALS						
AX	31	Bobblehead Ornamental Onion	Allium x 'Bobblehead'	1 Gal.	Cont.	24" o.c.
SC	38	Carl Sedum	Sedum x 'Carl'	1 Gal.	Cont.	18" o.c.
AO	31	October Skies Aster	Aster oblongifolius 'October Skies'	1 Gal.	Cont.	24" o.c.
EL	92	Sombrero® Lemon Yellow Improved Coneflower	Echinacea x 'Balsomemyim'	1 Gal.	Cont.	24" o.c.

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Scale:
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1" = 20'

Date:
11/06/2024

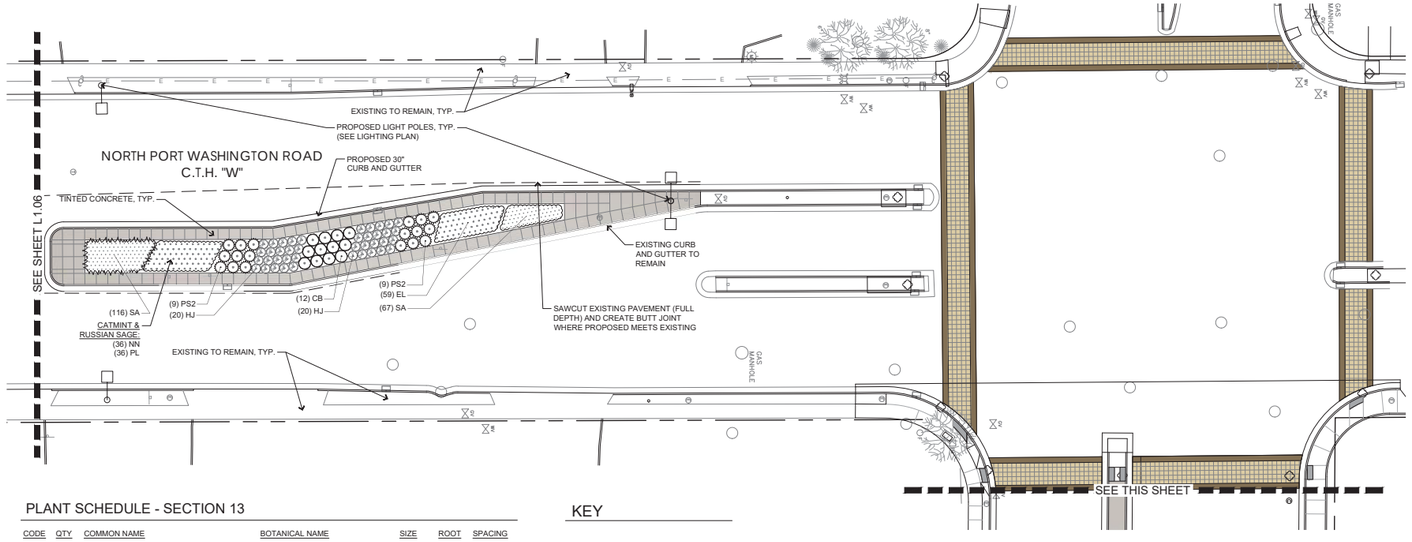
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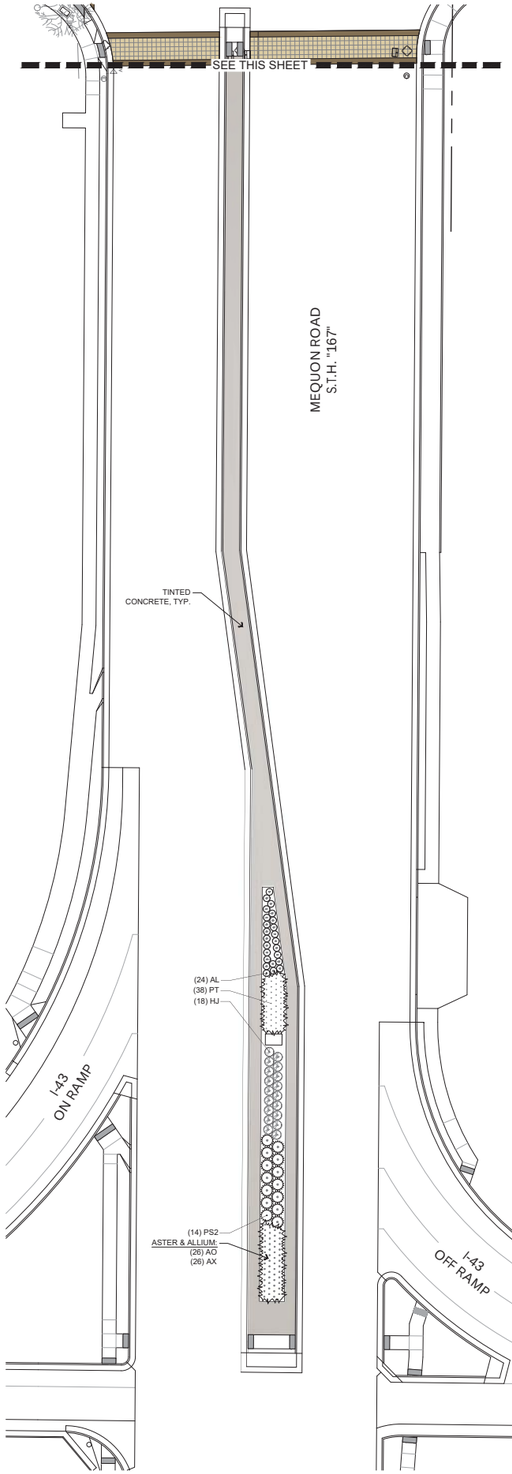
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LANDSCAPE PLAN - SECTIONS 1

Sheet Number:
2

Attachment: C-Mequon - CTH W Streetscape Plans - 11-11-24 - 11x17 (Mequon CTH W Streetscape)

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PLANT SCHEDULE - SECTION 13

CODE	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	SPACING
DECIDUOUS SHRUBS						
CB	12	Bergeson's Red Twig Dogwood	Cornus sericea 'Bergeson's Compact'	24" Ht.	Cont.	As Shown
HJ	40	St. John's Wort	Hypericum kalmianum	18" Ht.	Cont.	As Shown
EVERGREEN SHRUBS						
PS2	18	Slowmound Mugo Pine	Pinus mugo 'Slowmound'	12" Ht.	Cont.	As Shown
ORNAMENTAL GRASSES						
SA	183	Autumn Moor Grass	Sesleria autumnalis	1 Gal.	Cont.	18" o.c.
PERENNIALS						
PL	36	Denim 'n Lace Russian Sage	Perovskia atriplicifolia 'Denim 'n Lace'	1 Gal.	Cont.	24" o.c.
NN	36	Junior Walker™ Catmint	Nepeta x faassenii 'Novanepjun'	1 Gal.	Cont.	24" o.c.
EL	59	Sombrero® Lemon Yellow Improved Coneflower	Echinacea x 'Balsomemyim'	1 Gal.	Cont.	24" o.c.

KEY

- TINTED CONCRETE
- LAWN
- CRUSHED GRANITE

DIGGER'S HOTLINE
TOLL FREE
1-800-242-8511

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THESE DRAWINGS, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

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Milwaukee, Wisconsin 5
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Project Name:
CITY OF MEQUON TI
#4 AND #5
PUBLIC
IMPROVEME

Client:
CITY OF
MEQUON, W

Issuance:

Scale:
0 20
1" = 20'

Date:
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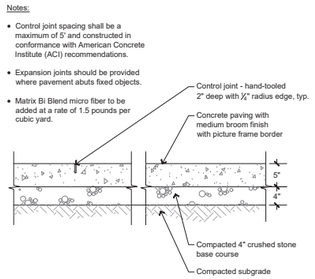
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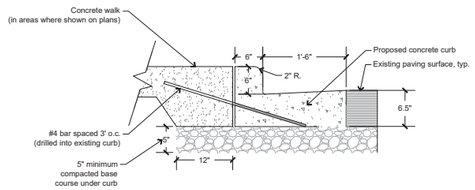
Attachment: C-Mequon - CTH W Streetscape Plans - 11-11-24 - 11x17 (Mequon CTH W Streetscape)

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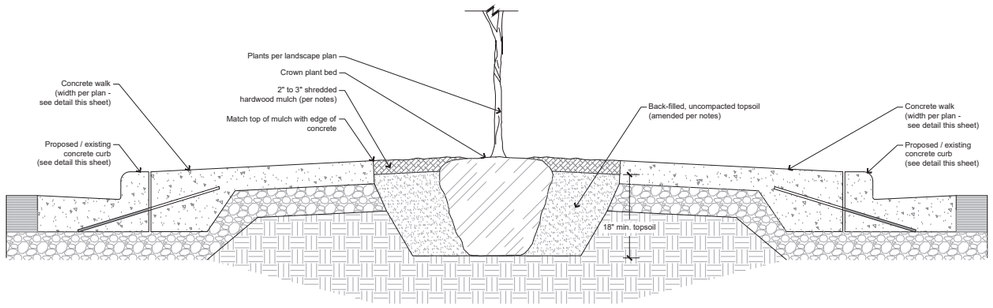
HARDSCAPE DETAILS



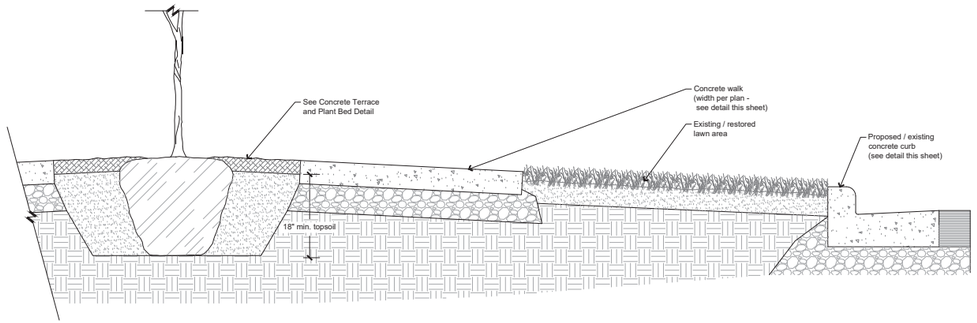
1 Concrete Section
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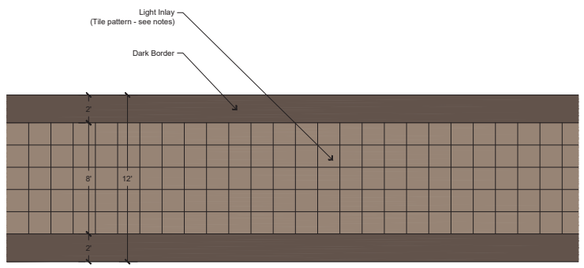
2 Vertical Face Curb - 24" Wide
NOT TO SCALE



3 CONCRETE TERRACE AND PLANT BED DETAIL
NOT TO SCALE
P-2022-22.1066-10

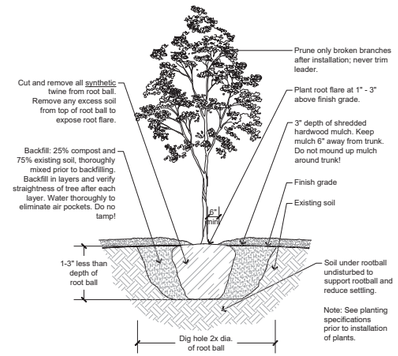


4 LAWN, CONCRETE TERRACE AND PLANT BED DETAIL
NOT TO SCALE
P-2022-22.1066-08

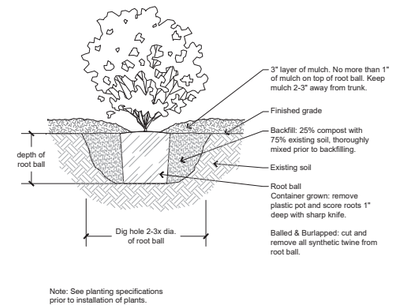


5 Decorative Cross Walk - Stamped Asphalt

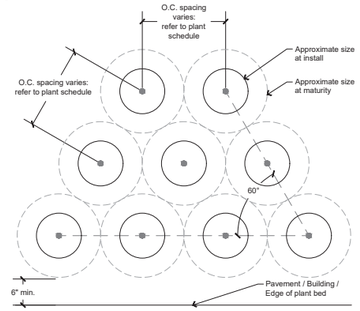
PLANTING DETAILS



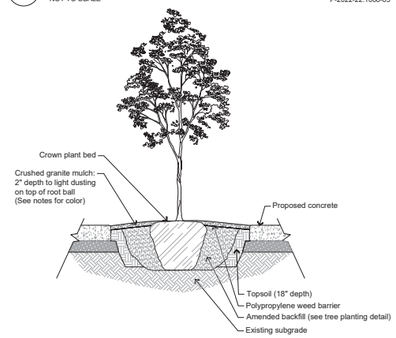
6 TREE PLANTING DETAIL
NOT TO SCALE
P-2022-22.1066-01



7 SHRUB PLANTING DETAIL
NOT TO SCALE
P-2022-22.1066-04



8 TRIANGULAR PLANT SPACING DETAIL
NOT TO SCALE
P-2022-22.1066-05



9 CRUSHED GRANITE PLANT BED MULCH
NOT TO SCALE
P-2022-22.1066-02

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Project Number
22-1066.01

Sheet Name:
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DETAILS

Sheet Number:

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LANDSCAPE NOTES

GENERAL

1.01 All landscape installation and maintenance to conform with all applicable local codes and ordinances.

1.02 See site drawings for work limits, scope of construction, hardscape, dimensions and/or construction notes. See civil drawings. for all hardscape, grading, stormwater management, site utilities and erosion control. See landscape drawings. for landscape plans, site amenities, details, schedules, notes. See architectural drawings. for all construction. See electrical drawings for all power, circuiting, lighting and security. See mechanical drawings for other site equipment.

1.03 Contractor shall provide shop drawings and material submittals of **all** hardscape and landscape construction elements shown in plan set for landscape architect review prior to construction.

1.04 Contractor to provide samples for landscape architect's approval on all colors, finishes and materials prior to construction, including (but not limited to) topsoil, gravels, mulches, seed mixes, etc.

1.05 Caution: underground utilities are present on site. The contractor shall verify location of all above- and below-grade utilities, both public and private, prior to commencement of site construction. If unanticipated above- or below-grade conditions are encountered, notify client and landscape architect prior to proceeding. Coordinate with local public utility locating entity as needed.

1.06 Contractor to verify hardscape layout prior to construction. Contact landscape architect if discrepancies are found.

1.07 Contractor to limit construction traffic to within work limit lines. All adjacent damage shall be the responsibility of the contractor to restore. See civil drawings for limits of disturbance.

1.08 All written dimensions supersede scaled dimensions. All dimensions are taken from face of curb, wall or existing building foundations.

PLANTING

2.01 Rough grading and topsoil import/spreading are to be completed by others. Finish grading, seed area and planting bed preparation shall be the landscape contractor's responsibility. Verify all existing site and grading conditions prior to construction.

2.02 All areas disturbed by site construction shall be fine graded and restored with vegetative cover as shown. See plans for cover types and locations, see specifications for materials and installation.

2.03 All planting to occur between August 15th to October 15th. If landscape contractor desires to plant outside of these dates, preapproval from owner must be obtained.

2.04 Landscape contractor shall verify plant quantities shown on plan. Symbol quantities take precedence over plant schedule. Landscape contractor shall forward a material list to the landscape architect prior to construction identifying species, sizes and plant sources to be used on the project. Any potential plant substitutions or changes to sizes shown on plan and appropriate cost credits / adjustments much be submitted in writing to the general contractor and approved by the owner's representative and landscape architect prior to installation.

2.05 All plant materials shall conform to the schedule and shall meet quality requirements outlined in the ANLA "American Standard for Nursery Stock", ANSI Z60.1-2014. The landscape architect, general contractor or owner's representative reserves the right to reject any substandard planting material. Such rejected material shall be removed from the project site immediately.

2.06 An owner's representative shall be allowed to inspect and approve trees at the nursery prior to delivery to the site.

2.07 All nursery tags/labels shall be left on plant materials until the project punch-list inspection is completed by the landscape architect. Untagged materials will be assumed to be deficient.

2.08 Topsoil requirements:

- All planting beds shall contain screened, blended topsoil mix to a minimum depth of 18". All seeded areas shall have minimum depth of 4".
- Existing topsoil meeting project specifications may be stripped, stored and re-used if previously approved. Landscape contractor shall remove all excessive clay, gravel and stones detrimental to healthy plant growth. Landscape contractor shall remove all debris greater than 1" diameter.
- Subgrade shall be tilled and/or scarified prior to placement of topsoil.
- Landscape contractor shall be responsible for obtaining soil tests for existing or imported topsoil. Soil testing results shall include (but are not limited to) soil pH, % organic matter, % nitrogen/phosphorus/potassium, % calcium, and soil texture (percentages of sand, silt and/or clay.) Soil testing shall include recommendations for soil amendments, if required to support growth of standard ornamental landscape materials.
- Contaminated soil shall be removed from the project site if discovered.

2.09 Grading and/or landscape contractor shall provide positive drainage away from all structures for a minimum of 10'.

2.10 Landscape contractor is responsible for ensuring that all tree pits and planting areas drain properly. Notify landscape architect if drainage or moisture issues are encountered while planting.

2.11 Tree Planting (see detail):

- Identify root flare - the part of the trunk where roots spread out at the base of the tree. Root flare should be visible (not buried under mulch or soil) after the tree has been planted. Plant all trees slightly higher than finished grade at root flare.
- Dig hole two to three times as wide as the root ball, and slightly shallower than root ball. Break up compacted soil on sides of hole, leaving bottom of hole firm. Do not use auger to dig tree holes.
- Once tree has been placed in hole, ensure it is at the proper depth and vertical alignment before tamping soil around lower portion of root ball.
- Remove and discard all synthetic twine from root ball.
- Backfill with 25% compost and 75% existing soil blended prior to backfilling holes, in six inch lifts. Lightly compact each lift using foot pressure to settle backfill, support the tree and eliminate voids.
- When the planting hole has been backfilled to three-quarters of its depth, pour water around the root ball to settle the soil. Continue backfilling until soil is brought to grade level.
- Create a 3" deep, 4 ft. diameter ring of mulch around all trees in lawn areas, reduced to a depth of 1" on top of root ball. Keep mulch 4" to 6" away from trunk of tree. Do not allow mulch to contact tree trunks.
- Trees that are installed incorrectly will be replaced at the time and expense of landscape contractor.

2.12 Shrub Planting (see detail):

- All shrubs shall be backfilled with 25% compost and 75% existing soil, blended prior to backfilling holes.
- Remove twine and top third of burlap from B&B shrubs. Remove and discard all synthetic twine.
- When planting hole has been backfilled to three-quarters of its depth, pour water around the rootball to settle the soil.
- Continue backfilling until soil is brought to grade level.

2.13 Plant Bed Preparation: the soil in all perennial and ornamental grass areas shall be amended with compost prior to plant installation. Spread a 3" layer of compost (per note below) on top of clean topsoil and rototill to a depth of approximately 8".

2.14 Compost shall be stable and weed-free organic matter. It shall be resistant to further decomposition and free of compounds, such as ammonia and organic acids in concentrations toxic to plant growth. The compost shall contain no pathogens or other chemical contaminants.

2.15 Unless otherwise shown, all perennials, ornamental grasses and shrubs to be planted in triangular arrangements (see detail). For plants not shown individually, refer to the spacing shown in the plant schedule.

2.16 Mulching: All tree and shrub planting beds to receive a 3" deep layer of high quality shredded hardwood bark mulch. All perennial and ornamental grass areas to receive 2" of the same mulch. Do not allow mulch to contact plant stems and tree trunks.

2.17 Tree Mulch Circle Edging: Edge all tree mulch circles in lawn areas with a 4" deep shovel cut or mechanical edge. Bedlines are to be cut per plan. A clean definition between the lawn and tree circle is required.

2.18 Crushed Granite/Marble Areas: Shall contain 2" of crushed granite/marble - size ¼" minus with fines, installed over non-woven geotextile fabric over backfilled, uncompacted topsoil. Reduce depth of crushed granite/marble on top of tree root balls to only a dusting. Provide samples of the following three granite/marble colors from Kafka Granite (or approved equal):

1) Midnight Blue Granite
2) Beige Blend Marble
3) Jade Granite

Provide enough sample granite/marble of each color to cover a 2' x 2' area at ½" depth.

LAWN / SEEDING

3.01 This work shall consist of preparing the seed beds and furnishing, sowing and mulching the required seed for the various seeded areas, as outlined in the site plans and specifications. All turf restoration shall be seeded turf unless otherwise noted.

3.02 Rough grading, drainage work, topsoiling and fine grading shall be completed before sowing the seed mixes. A minimum depth of 4" of blended, prepared and non-compacted topsoil is required for all seeded areas. The areas to be seeded shall be worked with plow chisels, discs and harrows, soil finishers and/or other appropriate equipment until a reasonably even and loose seedbed is obtained. Seed beds shall be prepared immediately in advance of the seeding. If proposed seed areas are weedy, contractor to apply herbicide or other weed control measures to eliminate weeds. Follow herbicide's recommended waiting period, if any, prior to seeding.

3.03 Confirm that anticipated project schedule date(s) fall within industry standards for seed installation prior to performing any work. Installations completed outside of acceptable seeding dates shall be the performed at the sole responsibility and expense of the contractor. For dormant seeding, a minimum of one over-seed application in the following season will be required.

3.04 Provide seed mix invoices, bag-tags or mix analysis results to landscape architect for approval prior to installation. Native seed shall be sold on a PLS basis.

3.05 The seed mixtures shall be sown by means of equipment adapted to the purpose. Mechanical distribution of seed (i.e. Truax seed drill, Brillion seeder, cultipacker, slit-seeder, drop spreader or broadcast spreader) are the accepted methods.

3.06 No seeding shall occur if the wind exceeds 12 MPH.

3.07 Coordinate erosion control and/or mulching with civil drawings:

- In sloped areas steeper than 4:1, erosion matting shall be installed by others. Landscape installation shall be coordinated with the grading contractor.
- In areas with slopes between 4:1 and 8:1, grading and/or landscape contractor shall apply straw mulch, free of debris and seeds, on all newly seeded areas. Mulch shall be uniformly spread over the designated area at a rate of 55 bales per acre or as indicated in the respective seed supplier's specifications. Mulch material shall be chopped and blown into the seeded area. A tactifier may be necessary to avoid wind damage.
- Lightweight erosion control matting and/or hydromulch will be accepted as a no-cost alternate if approved by landscape architect prior to application.

3.08 See civil drawings for erosion control measures. Coordinate with grading contractor where required to ensure that topsoil, seeding and/or mat installations are properly coordinated.

3.09 Seed mix substitutions will be considered only if submitted for approval 10 days before the close of bidding. All mixes shall be installed and maintained per supplier's specifications.

LAWN SEED MIX TYPE X:
"Deluxe 50 Mix" shall be supplied by Reinders, Madison WI, 608-244-0200. Apply at 5 lbs per 1000 SF.

3.10 Based on soil test results, apply an appropriate starter fertilizer at the time of seeding / sodding.

3.11 Landscape contractor is responsible for establishing a smooth, uniform, quality turf. An acceptable quality turf is defined as having no more than 5% of the total area with bare spots larger than 1/2 square foot and uniform coverage throughout all turf areas.

3.12 Landscape contractor is responsible for restoring all damaged lawn areas.

LANDSCAPE MAINTENANCE AND WARRANTY

5.01 Maintenance until Substantial Completion: Landscape contractor is responsible for maintaining all landscape areas throughout construction until Substantial Completion of the landscape installation. Substantial completion is defined as sufficiently finished so that the landscape is functional / able to be utilized for its intended purpose. Only minor, corrective or warranty work remains. Maintenance includes all trees, shrubs, perennials, ornamental grasses and seeded/sodded areas. Work shall include:

- watering as needed for establishment of plant material
- watering as needed for establishment of seeded/sodded areas
- weeding and/or herbicide application
- mowing of seeded/sodded areas after appropriate waiting period
- pruning of dead plant material

5.02 Maintainance for One Year after Substantial Completion: Landscape contractor shall be responsible for providing comprehensive landscape establishment, maintenance and warranty care for one year after Substantial Completion. Prior to beginning installation, the landscape contractor shall submit a 12-month calendar for review/approval to the owner and/or landscape architect, including all anticipated maintenance activities and dates. This includes all trees, shrubs, perennials, ornamental grasses and seeded/sodded areas. Work shall include:

- watering as needed for establishment and ongoing maintenance of plant material
- watering as needed for establishment of seeded/sodded areas
- weeding and/or herbicide application (minimum of 12-16 visits / year)
- mowing of seeded/sodded areas
- pruning
- fertilizing
- pest management
- spring/fall clean-ups

5.03 Warranty and Replacements: All plants (trees, evergreens, shrubs, perennials and ornamental grasses) shall be guaranteed (100% replacement) for one year from the date of Substantial Completion. This assumes the owner performs required maintenance (i.e. regular watering, etc.) after substantial completion of the landscape installation. Only one replacement per plant will be required during the warranty period, except for losses due to failure to comply with landscape specifications. Replacements shall be plants of the same variety specified on the plant and closely match adjacent specimens in size. The landscape contractor is responsible for keeping a documented record of which plants have been replaced during the warranty period.

HARDSCAPE / AMENITY

TINTED CONCRETE

6.01 Tinted concrete / Integral colored concrete: Install where shown on landscape plans. See concrete detail. Shall be 'SikaColor - 100 P' integral admixture, sealed with 'Selectseal Plus' water-based sealant. Available from Sika USA, Aurora, IL, 800-282-3388; or approved equal. Concrete shall be broom finish with picture frame edges and hand-tooled control joints. Colors from standard SikaColor - 100 P options. Contractor shall provide a 2'x2' test-pour of the following three colors for final selection, each with appropriate sealant & broom finish:

1) Mocha Brown
2) Soapstone
3) Deep Charcoal

6.02 Stamped/colored Asphalt Crosswalks: The interior portion of designated crosswalks (per plan) are to be heated and stamped using the StreetBond "Tile" template or approved equal. After cooling, apply StreetBond colors to the interior and exterior bands (width per detail) per manufacturer's specifications. Contractor shall provide 1' x 1' samples of the following color combinations:

1a) Interior - Concrete Gray (SR: 0.17)
1b) Exterior Bands - Granite (SR: 0.07)

2a) Interior - SR Sandstone (SR: 0.37)
2b) Exterior Bands - Concrete Gray (SR: 0.17)

3a) Interior - SR Khaki (SR: 0.34)
3b) Exterior Bands - Taupe (SR: 0.25)

DIGGER'S HOTLINE TICKET NUMBER 1-800-242-8511

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Sheet Name:
LANDSCAP
NOTES

Sheet Number:

Attachment: C-Mequon - CTH W Streetscape Plans - 11-11-24 - 11x17 (Mequon CTH W Streetscape)

Packet Pg. 177

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MEMORANDUM OF UNDERSTANDING
BETWEEN THE CITY OF MEQUON AND OZAUKEE COUNTY FOR THE ADMINISTRATION OF AN ADOPT-A-MEDIAN PROGRAM ON PORT WASHINGTON ROAD

This Agreement is made and entered into this _____ day of _____, 20__, by and between the City of Mequon, a Wisconsin municipal corporation (the "City") and Ozaukee County, a municipal corporation ("the County"); individually the "Party" and together the "Parties".

RECITALS

1. The County is responsible for maintenance of the road infrastructure, drainage facilities and medians within Port Washington Road.

2. Both Parties have a vested interest in the infrastructure investment and proper maintenance thereof.

3. The City desires a higher level of service on the medians than that provided by the County, and has proposed to do so through a Streetscaping project as shown in Appendix A (*Attach Streetscaping Plan Set*). The County must approve the City's final design included in Appendix A.

4. Section 66.0301 of the Wisconsin Statutes authorizes the City and County to enter into an agreement for the purpose of furthering the cooperation contemplated herein.

THEREFORE, in consideration of these Recitals, the mutual agreements, benefits and responsibilities outlined herein, and other good and valuable consideration, receipt or sufficiency of which is hereby acknowledged, the parties agree:

1. The City will administer the Streetscaping project as detailed in Appendix A.

2. Adoption will be for all median landscaping from Zedler Lane to Mequon Road (STH 167).

3. The County will continue to maintain all curb & gutter and pavement within the Streetscaping area.

4. This document, together with any and all instruments or exhibits, attached or referenced (collectively the "Agreement") sets forth the complete understandings of the parties relating to these matters and supersede any and all prior or contemporaneous agreements, understandings and representations relating to the subject matter of this Agreement.

5. Each part indemnifies and holds harmless the others against any and all liabilities and damages related to the provisions in this Agreement and against all claims, suits and actions arising therefrom and against all costs of defending the same, including actual attorney's fees, which liabilities shall arise from the acts or omissions of its officers, employees, servants and agents. To the fullest extent permitted by law, the indemnifying party's total liability to the indemnified party and anyone claiming by, through, or under the indemnified party for any injuries, losses, damages and expenses caused in part by the negligence of the indemnifying party and in part by the negligence of the indemnified party or any other negligent entity or individual, shall not exceed the percentage share that the indemnifying party's negligence bears to the total negligence of both parties and all other negligent entities and individuals. Further, nothing contained within this Agreement is intended to be a waiver or estoppel of the parties, or their insurer, to rely upon the limitations, defenses, and immunities contained within Wisconsin law, including those contained within Wisconsin Statutes §§ 893.80, 895.52, and 345.05. To the extent that indemnification is available and enforceable, the

Attachment: Oz Cty & C-Mequon - CTH W Streetscaping MOU - 3-3-23 (Mequon CTH W Streetscape)

indemnifying party or its insurer shall not be liable in indemnity or contribution for an amount greater than the limits of liability for municipal claims established by Wisconsin Law.

6. This Agreement shall only be modified in writing signed by the part of an officer of such part against whom enforcement of the modification is sought; and no oral statements, representations or course of conduct inconsistent with the provisions of this Agreement shall be effective or binding on any party, regardless of any reliance thereon by the other.

7. This Agreement can be terminated by either Party for any reason whatsoever with a minimum of 30 day's written notice. Upon termination, the City agrees to remove any and all plants, trees, and shrubs, if requested by the County in writing, and replace such areas with lawn grass to restore the medians to a pre-adopted condition.

CITY OF MEQUON

_____
Andrew Nerbun, Mayor

_____
Caroline Fochs, City Clerk

STATE OF WISCONSIN)
) ss.
OZAUKEE COUNTY)

Personally came before me this _____ day of _____, 2021, the above-named John Wirth, Mayor and Caroline Fochs, City Clerk of the City of Mequon, to me known to be the persons who executed the foregoing document, and acknowledged the same.

_____
Notary Public, State of Wisconsin
My Commission: _____

Approved as to Form:

_____
Brian C. Sajdak
Mequon City Attorney

Attachment: Oz Cty & C-Mequon - CTH W Streetscaping MOU - 3-3-23 (Mequon CTH W Streetscape)

COUNTY OF OZAUKEE

_____
Lee Schlenvogt, County Board Chairman

_____
Julianne B. Winkelhorst, County Clerk

STATE OF WISCONSIN)
) ss.
OZAUKEE COUNTY)

Personally came before me this _____ day of _____, 2021, the above-named John Wirth, Mayor and Caroline Fochs, City Clerk of the City of Mequon, to me known to be the persons who executed the foregoing document, and acknowledged the same.

_____
Notary Public, State of Wisconsin
My Commission: _____

Approved as to Form:

_____
Rhonda Gorden
Ozaukee County Corporation Counsel

Attachment: Oz Cty & C-Mequon - CTH W Streetscaping MOU - 3-3-23 (Mequon CTH W Streetscape)

Public Works Committee

AGENDA INFORMATION SHEET

AGENDA DATE: **November 21, 2024**
DEPARTMENT: **Highway**
DIRECTOR: **Jon Edgren**
PREPARER: **Jon Edgren**

Agenda Summary Highway Financials - Nov 2024

ATTACHMENTS:

- Highway Financials - Nov 2024 (PDF)

PUBLIC WORKS COMMITTEE

Ozaukee County Committee Report

Special Revenue Fund County Roads and Bridges

For the Nine Months Ending Monday, September 30, 2024

Profit and Loss Statement ACTUAL TO AMENDED BUDGET

	Current Month Actual	2024 YTD Actual	2024 Amended Budget	Budget Balance	% Budget YTD
Revenues					
Taxes	$276,291	$2,486,618	$3,315,491	$828,873	75.00%
Intergovernmental Revenues	-	$1,451,989	$1,751,975	$299,986	82.88%
Total Revenues	**$276,291**	**$3,938,607**	**$5,067,466**	**$1,128,859**	**77.72%**
Expenditures					
Interdepartment Charges	$914,452	$4,440,120	$5,612,552	$1,172,432	79.11%
Total Operating Expenditures	**$914,452**	**$4,440,120**	**$5,612,552**	**$1,172,432**	**79.11%**
Capital Outlay					
Total Expenditures	**$914,452**	**$4,440,120**	**$5,612,552**	**$1,172,432**	**79.11%**
Other Finance (Sources)	-	-	($545,086)	($545,086)	0.00%
Net Other Financing Sources/Uses	**-**	**-**	**($545,086)**	**($545,086)**	**0.00%**
Net Increase (Decrease)	**($638,161)**	**($501,513)**	**-**	**$501,513**	**0.00%**
Equity:					
Governmental Fund Balance	-	($757,070)	-	$757,070	0.00%

Attachment: Highway Financials - Nov 2024 (Highway Financials - Nov 2024)

Ozaukee County Committee Report

Internal Service Fund Highway Department

For the Nine Months Ending Monday, September 30, 2024

Profit and Loss Statement ACTUAL TO AMENDED BUDGET

	Current Month Actual	2024 YTD Actual	2024 Amended Budget	Budget Balance	% Budget YTD
Revenues					
Taxes	$11,083	$99,750	$133,000	$33,250	75.00%
Intergovernmental Revenues	-	-	$87,610	$87,610	0.00%
Intergovernmental Charges	$640,100	$5,728,713	$7,006,355	$1,277,642	81.76%
Interdepartmental Charges	$680,545	$2,306,557	$2,932,021	$625,464	78.67%
Licenses & Permits	$15,296	$129,596	$394,022	$264,426	32.89%
Other Revenue	$37,276	$114,852	$107,376	($7,476)	106.96%
Total Revenues	**$1,384,300**	**$8,379,468**	**$10,660,384**	**$2,280,916**	**78.60%**
Expenditures					
Salaries	$269,139	$2,566,703	$3,422,402	$855,699	75.00%
Fringe Benefits	$116,144	$1,128,276	$1,335,903	$207,627	84.46%
Travel/Training	$970	$7,700	$16,300	$8,600	47.24%
Supplies	$1,293,310	$5,437,030	$6,354,634	$917,604	85.56%
Purchased Services	$35,135	$257,519	$272,531	$15,012	94.49%
Interdepartment Charges	($571,566)	($2,115,212)	($2,242,541)	($127,329)	94.32%
Depreciation	$84,795	$763,155	$1,133,724	$370,569	67.31%
Grants	$20,023	$160,081	$133,000	($27,081)	120.36%
Other Expenses	$9,738	$270,697	$194,531	($76,166)	139.15%
Total Operating Expenditures	**$1,257,688**	**$8,475,949**	**$10,620,484**	**$2,144,535**	**79.81%**
Capital Outlay					
Equipment & Furniture	-	$233,980	$39,900	($194,080)	586.42%
Total Capital Outlay	**-**	**$233,980**	**$39,900**	**($194,080)**	**586.42%**
Total Expenditures	**$1,257,688**	**$8,709,929**	**$10,660,384**	**$1,950,455**	**81.70%**
Net Increase (Decrease)	**$126,612**	**($330,461)**	**-**	**$330,461**	**0.00%**
Equity:					
Retained Earnings	-	($563,551)	-	$563,551	0.00%

Attachment: Highway Financials - Nov 2024 (Highway Financials - Nov 2024)