City Council – Meeting Agenda
May 2, 2023– 5:30 P.M. – Foley City Hall

1. Call the meeting to order.
2. Pledge of Allegiance.
3. Approve the agenda.

4. Consent Agenda:
   - Approve minutes of April 4, 2023.
   - Approve seasonal pay rates.
   - Approve revised pool year-end performance review.
   - Approve payment of bills.

5. Mayor's Comments and Open Forum

6. Wastewater Regionalization Project – Jared Voge
   - Consider and approve Change Order #1.
   - Consider and approve Pay Application #8.

7. Winter Festival Update – Louisa Thompson

8. Consider Removal of Sprinkler Sewer Charges
   - Ordinance #475 – Sewer Rates
   - Estimated Revenue Impacts
   - Revised recommendations from staff/mayor.

9. Department Reports:
   - Police Department –Katie McMillin
   - City Engineer – Jarod Griffith
     - Present and Approve RRFB Plans
   - Public Works/Fire – Mark Pappenfus
   - Administration – Sarah Brunn
     - Consider approval of pool refund policy.
     - Select representative for joint county/city/township meeting – May 22nd.

10. Old Business

11. New Business

12. Mayor's Comments and 2nd Open Forum

13. Adjourn

CITY OF FOLEY, MINNESOTA
CITY COUNCIL MEETING – April 4, 2023

The Foley City Council held their regular meeting on April 4, 2023, at 5:30 p.m. at Foley City Hall.

Members Present: Mayor Jack Brosh, Councilmembers Jeff Gondeck, Deb Mathiowetz, Gary Swanson, and Brandon Voit.

The pledge of allegiance was recited.

Motion by Swanson, seconded by Mathiowetz, to approve the agenda.

Motion carried, unanimous.

Motion by Gondeck, seconded by Voit, to approve the consent agenda:

- Approve minutes of March 7, 2023.
- Adopt Resolution #2023-05 Approving No Mow May
- Approve hiring of Emma Thorsten for 2023 Pool Manager.
- Approve payment of bills.
- Staffing Update – Russell Lipinski

Gondeck stressed that No Mow May is a strictly voluntary program. If there are any concerns, residents should talk to their neighbors.

Motion carried, unanimous.

Mayor's Comments and Open Forum
Debra Olson, 600 Dewey Street, welcomed Emma Thorsten as the new Pool Manger. Olson also expressed concern over acquiring and attracting enough lifeguards to be able to open the pool for the season. She also expressed the desire to create a tiered cost for swimming lessons – different price for folks who lived in town versus outside of town. She also recommended the city use more diverse advertising for the pool and other ways to encourage people to use the pool.

Kim Latterall, 511 Broadway Avenue N, addressed the council regarding concerns over a property in his neighborhood. The property is not being cared for and may be in violation of city ordinances.

Michael Vukelich, 170 Gopher Avenue, addressed the council with concerns over his water/sewer bill. He read a prepared statement explaining why they had wanted to live in Foley, but the rising cost of property taxes and his water bill were causing a hardship to his family. He said he understood that the wastewater project was approved for state funding, but expressed frustration that the project was started before the state funds had been received.

Foley CROSS Center Presentation
Jennifer Folkema, the new Director of the Foley CROSS Center, gave an overview of how the organization serves Foley and Benton County. Their mission is to provide encouragement and short-term assistance to residents in the area. They provide food, clothing, small household items, school supplies, and holiday foods such as hams and turkeys. They also started a kids club where students can come in during the summer break to get a bag with quick easy meals, snacks, and beverages every

week. CROSS is always looking for volunteers and financial donations to meet the growing needs of the area. They provide assistance to everyone and will not turn anyone away. They have also seen their own expenses rise. She asked the council to consider adding a donation to CROSS as part of their annual budget. Discussion and questions followed.

Discussion on Hwy 23 Pedestrian Crossing
Questions and discussion followed as the council considered the two proposals in their council packet.

Jarod Griffith city engineer gave an overview to the council and helped answer questions. He stated that staff had a discussion with MnDot who said that if the work on the pedestrian ramps occurred while they were still working on the Hwy 23 project that they would cover that work. He directed the council to the proposal in front of them from SEH which reflected MnDot covering the work. Discussion and questions followed.

Griffith explained that anything that is not on the list in the letter of agreement would be over and above the cost of the project.

Jarod Voge from Bolton & Menk presented their proposal.

Motion by Swanson, seconded by Gondeck, to accept the proposal from SEH for the pedestrian ramps.

Motion carried, unanimous.

Department Reports

Police Department
Chief Katie McMillin gave an overview to the council. The department responded to 353 calls during March. This is up from February. Equipment violations were up (expired tabs, headlights out…etc…). Medical and welfare checks, animal complaints, and civil calls were also up. Parking tickets were down. Winter Parking has now expired as of April 1 unless a snow emergency is declared by the city. Background checks for the three new part-time officers are now complete and two have completed their physicals. McMillin also shared that the department is currently handling large investigations that require a lot of administrative time so the council may not see as many patrols. She also reminded the council that the Bike Rodeo will be held at Lion's Park on June 17. She also addressed the press release regarding the bomb threat that was received at Falcon National Bank. No device was found and there was no threat to the public. Questions and discussion followed.

Swanson asked McMillin to speak to the owner of the property on 4th Avenue that was mentioned during the open forum. McMillin asked which address it was as no specific address was mentioned. Discussion followed. McMillin stated that if the property is the house she is thinking of then the owner is in compliance with the Parking and Storage ordinance based on the changes that the council passed in the Fall of 2022.

City Engineer
Jarod Griffith addressed the council stating that the road restrictions for Hwy 23 are now up. MnDot is estimating that work will begin on May 15.

Public Works and Fire Department
Mark Pappenfus directed the council to the estimate from Kostreba for the tuckpointing for the pool for $24,750.00.

Motion by Mathiowetz, seconded by Gondeck, to approve the tuckpoint estimate

Discussion and questions followed. Pappenfus stated the work would be completed before the pool opens for the season in June.

Motion carried, unanimous.

Pappenfus also updated the council on the unit heaters in the maintenance shop which had to be replaced. The department also had a blow motor go out last month. Snow removal is going well. The contractor the department has had trouble with did not push the snow into the road this time.

Pappenfus stated the Fire Department will be moving forward to fill the assistant chief position soon.

Administrative
Sarah Brunn gave an overview to the council. The audit field work will begin at City Hall on Tuesday in the Council Chamber. The majority of the audit should be finished next week.

She directed the council to the estimate in their packet for the new financial software. The software upgrade has been in the budget for a number of years. Staff is recommending moving forward with Civic Systems as it seems to be the best fit. Many neighboring cities Foley's size are using it and giving good reviews. Our current system is unreliable – currently down. Civic would also give staff extra security features with the new system. There is an annual fee of $9,600, but it does guarantee software for life. Discussion and questions followed.

Motion by Gondeck, seconded by Mathiowetz, to approve the purchase of the Civic Systems financial software as presented.

Motion carried, unanimous.

Brunn also shared that Benton County is looking to build a new administrative building and approached the city to see if we'd be interested in the existing buildings sometime over the next two to three years. Brunn recommended establishing a council committee to look at the possibilities and determine if it would be a good option to explore rather than renovations to City Hall. Staff has space needs in the administrative area as well as the police department. The city also has a library that needs to be provide for.

Discussion and questions followed with the council expressing an interest in exploring the options with the county. Brunn stated she would bring more information to the council in the next month or two.

Old Business
Jarod Voge of Bolton & Menk provided an overview for the council on the wastewater project. The updated variance and platting process is moving forward on the odor control building. Crews installed some sanitary sewer west of the Broadway lift station and should be back on Thursday depending on the weather to do seeding and blanketing. He anticipates the work on the project will continue late April or into early May. Three crews are expected to resume work. Questions and discussion followed.

Voge also shared that materials for electrical transformers have been a struggle. They are monitoring the situation. The electrical provider has warned there could be delays in delivering equipment. Voge will keep the council informed.

Brunn added that we've had a number of people come together to get a lot of things done in a short period of time to cut through the processes for the odor control building. There are a few more weeks to go, but it's looking positive that construction will begin in May

Brosh stated he would like to talk about a possible sprinkler ordinance if property owners would like a separate meter for their yards. He asked the council if they would be willing to hear more. The other councilmembers agreed they would like more details.

New Business
Pappenfus addressed the council about the possibility of adding an electronic gate to the compost site once crews complete the nearby lift station for the wastewater project. Discussion and questions followed. Gondeck expressed interest in the idea, especially if it meant extending hours at the compost site. Pappenfus will bring more info to the council.

Mayor's Comments and Second Open Forum
Brosh listed a few events he'd attended as mayor. He also shared that his son had been diagnosed with leukemia so he would be running to the cities a lot and his response time to requests may be longer.

Motion by Swanson, seconded by Gondeck, to adjourn.

Motion carried, unanimous.

Meeting adjourned at 6:36 p.m.

_____Sarah A. Brunn, Administrator
(Minutes By: Sara Judson Brown, Administrative Assistant)

Pool Manager	WSI	Lifeguard	Pool Attendent	Public Works
$20 - Start	$14.50 - Start	$13.50 - Start	$11.50 - Start	$13.50 - Start
$.50/hr return	$.50/hr return	$.50/hr return		$.50/hr return
$22 - Max	$15.50 - Max	$15.50 - Max		$15.50 - Max

Foley Municipal Pool – Year End Performance Evaluation **Name:** _____

5 = Excellent – Individual preforms all tasks in an exceptional manner
4 = Good – Individual performs many tasks above average, and other tasks adequately.
3 = Satisfactory – Individual performs all tasks satisfactorily
2 = Fair – Individual performs most tasks satisfactorily, but not all.
1 = Unsatisfactory – Individual fails to perform many tasks well.

**Meeting basic job requirements/duties satisfactorily qualifies for a "3" rating. In order to achieve a higher rating, employee must make significant contributions which go above and beyond normal job duties.*

PART 1:

Overall Performance Evaluation – Productivity/Initiative/Time Management/Quantity and Quality of Work

Score each statement from 1-5 and explain why, and provide specific examples or comments on performance below.

_____Employee showed up to work on time and ready to work every day.

_____Employee remained focused on their job and not distracted by other employees, patrons or cell phones.

_____Employee rarely called in to miss a shift. If a shift was to be missed, employee arranged for a sub or notified the supervisor many days in advance to help find a replacement.

_____Employee was eager to help in any way they could (even if the job was not specifically assigned to them) and may have even offered suggestions to improve processes to help the team.

_____Employee made positive contributions to the entire team and worked well with all members of the team.

_____Employee demonstrated a positive attitude when working with all customers and employees, treated everyone with respect and demonstrated professionalism in the workplace.

_____ **TOTAL (30 possible)** *- up to 5 points for each category*

PART 2:

Lifeguarding Hours Worked

- Has the employee worked at least 125 lifeguarding hours during the course of the season?

*Total Hours Worked: _____ _____**TOTAL (35 points possible)** – *All or none possible*

WSI Teaching Hours Worked

- Has the employee worked at least 50 hours of teaching during the season and not missed more than 2 class sessions? *i.e. one class session is 1 session of one specific class (i.e. 9:50 level 1), not one whole group of classes.*

*Total Hours Worked: _____ Only missed 2 or less classes? _____

_____**TOTAL (35 points possible)** – *All or none possible*

Pool Attendant

- Has the employee worked at least 50 hours of serving as a pool attendant?

*Total Hours Worked: _____ _____**TOTAL (35 points possible)** – *All or none possible*

**All hours worked will be verified by Payroll.*

Grand Total of Points: _____

30-60 points is eligible for $50 one-time performance pay.

61-90 points is eligible for $75 one-time performance pay.

Over 90 points is eligible for $100 one-time performance pay.

Once reviewed with employee it must be signed by all below and submitted to payroll for processing.

Employee Signature: _____ Date:_____

Supervisor Signature: _____ Date:_____

City Administrator Signature: _____ Date:_____

Bills List - May 2023			
Gross Salaries	Payroll - 3/10/23	$	35,255.17
EFTPS	Federal Withholding	$	6,287.37
MN Dept of Revenue	State Withholding	$	1,257.89
State Treas. PERA	PERA	$	6,844.42
Nationwide	Deferred Comp	$	1,062.36
Pacific Life Ins	Deferred Comp/Roth IRA	$	80.00
Further	HSA Contribution	$	1,055.00
Gross Salaries	Payroll - 3/24/23	$	35,067.63
EFTPS	Federal Withholding	$	6,307.38
MN Dept of Revenue	State Withholding	$	1,257.74
State Treas. PERA	PERA	$	6,765.85
Nationwide	Deferred Comp	$	1,062.36
Pacific Life Ins	Deferred Comp/Roth IRA	$	80.00
Further	HSA Contribution	$	1,055.00
Law Enforcement Labor Services	Union Dues	$	202.50
Already Paid 5/2/2023			
		$	103,640.67
To Be Paid - 5/2/2023			
AllSpec Services, LLC	04/23 Building Inspection Fee's	$	1,231.53
Benton County Attorney	03/23 Legal Fee's	$	363.00
Benton County DMV	MN Sales Tax on 2021 Ford F550	$	8,329.50
Benton County Highway Department	03/23 PD Fuel	$	1,255.37
Benton County Sheriff's Office	PD training Skluzacek & Pausch	$	150.00
Bolton and Menk	WW Expansion	$	13,632.13
Brock White	PW supplies	$	441.15
Brock White	Street supplies	$	441.15
Central McGowan	PD and FD Medical supplies	$	117.61
Cintas	Uniforms	$	514.92
City of Milaca	PD Uniforms	$	600.00
Cloudnet	04/23 Server Fee	$	10.00
Coborns	City Supplies	$	117.83
Collins Brothers Towing of St. Cloud	PD towing 2017 GMC Canyon	$	175.00
Compass Minerals	Hwy Coarse	$	8,509.62
Core Professional Services	PD Pre-employment Medical Review Gitch	$	300.00
Crysteel Truck Equipment	Street Maintenance	$	1,317.72
Customized Fire Rescue Training	FD NFPA Exam	$	1,575.00
Delta Dental	05/23 Dental Premiums	$	1,187.30
East Side Oil Companies	PW recycle used oil and filters	$	90.00
Emergency Automotive Technologies	LED warning Lights	$	624.30
Emergency Medical Products	FD Medical supplies	$	113.42
Ferguson Water Works	PW supplies, cold patch	$	2,107.34
First National Bank of Omaha	04/23 CC Invoices	$	1,898.21
Flow Measurement	Meter Certification	$	556.00
Further	Employer H SA ContributionsParticipation Fee	$	380.35
Geislinger and Sons, Inc	WW Expansion # 7	$	155,032.83
Gilman Creamery	street supplies	$	76.73
Handyman's Hardware	FD and City Office Building Maintense	$	258.24
Hawkins Inc	Water Chemicals	$	5,098.66
Health Partners	05/2023 Insurance Premiums	$	17,029.29
Interstate All Battery Center	school siren	$	571.60
JM Truck and Tractor Repair	Street Snow equipment repair	$	650.00
John Wood	Refund overpayment of water invoice	$	131.62
Joshua Shelton	Refund overpayment of water invoice	$	66.81
K&K Tire and Auto	PD Vehicle maintence	$	973.22
Lawson Products	Shop supplies	$	864.96
Macqueen Equipment	Sewer Vehicle Maintense	$	192.52
Marco	04/23 copier lease	$	266.04
Midco Business	Phone and Internet Service	$	950.11
MN Department of Labor	Builing Permit Surcharge	$	340.50
MN Department of Natural	FD supplies	$	428.41
MN Department of Revenue	sales and use tax	$	1,360.00
MN Rural Water Association	2023 Membership	$	400.00
Momentum Truck Group	Street Snow equipment repair	$	167.21
Municipal Emergency Services	FD supplies	$	883.14
New Frontier	I.T. and Website Maintenance	$	243.75
North Central Bus and Equipment	PD Supplies	$	453.54
RevTrak, Inc	03/23 CC fee's	$	1,478.55
RinkeNoonan	WW Expansion, Herbst, General Legal	$	4,420.00
Riteway	Utility Billing Forms	$	521.87
RMB Environmental Laboratories	Water Chemicals	$	235.23
Security Lock Technologies	Alarm	$	484.00
Shift Technologies, Inc.	IT Server issues, Banyon Issues, Firewall Issues, Antispam , A	$	4,122.80
Short Elliott Hendrickson	Hwy 23 Project, Pouchtec -Sewer	$	1,700.50
Silversmith Data	GPS Marking System	$	2,700.00
Stalker Radar	PD Radar	$	3,330.00
Staples	PD,FD supplies	$	122.47
Star Publications	Pool Publications	$	337.58
Team Lab	Pond weed Chemicals	$	1,061.00
USAble Life	04/23 Life Insurance	$	269.00
Verizon	FD,PD,PW 04/23 Cell phone	$	387.53
Victory Door Systems	Grey Shed maintense	$	270.00
Weidner Plumbing & Heating	Maintenance Shed	$	6,665.00
Williams Integracare Clinic	PD new officer Initial comprehensive elav-Gitch	$	384.00
Xcel Energy	Utilities	$	6,621.12
Ziegler Cat	Street vehicle maintenense	$	318.16
Additional To Be Paid - 5/2/2023		$	**371,547.11**
		$	371,547.11

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April 19, 2023

Sarah Brunn
City Administrator
City of Foley
251 4th Ave. N
Foley, MN 56329

RE: Wastewater Regionalization Project
City of Foley, Minnesota
Project No.: R21.120226

Dear Sarah,

Enclosed, please find attached Change Order No. 1 for the Wastewater Regionalization Project. The change order reflects the equipment, labor, and materials required to comply with the City of St. Cloud's requirements associated with the connection to their collection system.

We recommend approval of the Change Order in the amount of $546,569.88.

If you have any questions, please call.

Sincerely,

Bolton & Menk, Inc.

Jared Voge, P.E.
Principal Engineer

enc.

CHANGE ORDER NO.: 1

Owner:	City of Foley	Owner's Project No.:	
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	R21.120226
Contractor:	Geislinger & Sons, Inc	Contractor's Project No.:	
Project:	Wastewater Regionalization Project		
Contract Name:			
Date Issued:	March 21, 2023	Effective Date of Change Order:	April 5, 2023

The Contract is modified as follows upon execution of this Change Order:

Description: Metering components and structures are changed to conform to the standards set by St. Cloud. These standards include the metering equipment, control panels and sub-panels, and wiring. Modifications to existing structures are needed to accommodate equipment standards.

Attachments: Request for Proposal documents, Proposal Breakdown for Prices, Supplemental Subcontractor price invoices.

Change in Contract Price	**Change in Contract Times [State Contract Times as either a specific date or a number of days]**
Original Contract Price: $ 16,548,705.51	Original Contract Times: Substantial Completion: 09-01-2023 Ready for final payment: 11-01-2023
[Increase] [Decrease] from previously approved Change **Orders No. 1 to No. :** $ N/A	**[Increase] [Decrease]** from previously approved Change **Orders No.1 to No. :** Substantial Completion: N/A Ready for final payment: N/A
Contract Price prior to this Change Order: $ 16,548,705.51	Contract Times prior to this Change Order: Substantial Completion: N/A Ready for final payment: N/A
Increase this Change Order: $ 546,569.88	**[Increase] [Decrease]** this Change Order: Substantial Completion: N/A Ready for final payment: N/A
Contract Price incorporating this Change Order: $ 17,095,275.39	Contract Times with all approved Change Orders: Substantial Completion: 09-01-2023 Ready for final payment: 11-01-2023

Recommended by Engineer (if required)	Accepted by Contractor
By:	
Title: Principal Engineer	
Date: 4/19/2023	
Authorized by Owner	**Approved by Funding Agency (if applicable)**
By:	
Title:	
Date:	

City of Foley - Wastewater Regionalization Project
Change Proposal Breakdown for Metering Equipment required by St. Cloud.
Project No.: R21.120226
3/21/2023

CHANGE ORDER SUMMARY			
Bid Item Number	Bid Item Name	As-Bid Amount	Change Proposal Adjustment (Breakdown Below)
38	**Metering & Outfall Manholes - Foley**	**$40,000.00**	**-$13,582.00**
39	**Metering Manhole - Sauk Rapids**	**$45,000.00**	**-$17,982.80**
	Existing Structure Modification Subtotal		$569,477.35
	Electrical Work Subtotal		$67,515.03
	Meter Work Subtotal		$123,430.42
	Controls Work Subtotal		$317,711.89
67	**St. Cloud Metering Allowance**	**$500,000.00**	**$578,134.68**
	Total Change Order Increase		**$546,569.88**

PROPOSED METERING STRUCTURE MODIFICATIONS (ITEMS 38 AND 39)			
ITEM AND DESCRIPTION OF WORK	BREAKDOWN	AMOUNT	CONTRACTOR
Flow Meter Structure - Foley			
Description: Structure diameter reduction from 84 inch to 48 inch. Deduct from Item 38.			
	Material	-$13,582.00	Geislinger & Sons, Inc.
	Labor and Equipment	$0.00	
	Foley Structure Subtotal	-$13,582.00	
	As-Bid Amount	$40,000.00	
	Item 38 After Change Proposal	**$26,418.00**	
Flow Meter Structure - Sauk Rapids			
Description: Reduce structure diameter from 84 inch to 48 inch. Deduct from Item 39.			
	Material	-$17,982.80	Geislinger & Sons, Inc.
	Labor and Equipment	$0.00	
	Sauk Rapids Structure Subtotal	-$17,982.80	
	As-Bid Amount	$45,000.00	
	Item 39 After Change Proposal	**$27,017.20**	

EXISTING FLUME STRUCTURE MODIFICATIONS (ITEM 67)			
ITEM AND DESCRIPTION OF WORK	BREAKDOWN	AMOUNT	CONTRACTOR
Modify East side No 2			
Description: Perform internal modifications to existing structure.			
	Materials	$5,740.00	Geislinger & Sons, Inc.
	Labor and Equipment	$102,087.00	Geislinger & Sons, Inc.
	Modify East side No 2 Subtotal	$107,827.00	
	Prime contractor markup (15%)	$16,174.05	Geislinger & Sons, Inc.
	Modify East side No 2 Total	**$124,001.05**	
Modify East Side No 1			
Description: Perform internal modifications to existing structure.			
	Materials	$16,800.00	Geislinger & Sons, Inc.
	Labor and Equipment	$167,911.00	Geislinger & Sons, Inc.
	Modify East side No 1 Subtotal	$184,711.00	
	Prime contractor markup (15%)	$27,706.65	Geislinger & Sons, Inc.
	Modify East side No 1 Total	**$212,417.65**	

City of Foley - Wastewater Regionalization Project
Change Proposal Breakdown for Metering Equipment required by St. Cloud.
Project No.: R21.120226
3/21/2023

Bypass Pumping			
Description: Install temporary sanitary bypasses to complete East Side No. 1 and 2 structure modifications.			
	Materials	$0.00	Northern Dewatering
	Equipment (Install and uninstall)	$127,413.00	Northern Dewatering
	Labor (pump watch)	$87,500.00	Northern Dewatering
	Bypass Pumping Subtotal	$214,913.00	
	Prime Contractor markup (5%)	$10,745.65	Geislinger & Sons, Inc.
	Bypass Pumping Total	**$225,658.65**	
Restoration			
Description: restore disturbed surfaces to eaxisting conditions			
	Materials, Labor, and Equipment	$2,090.00	Central Specialties
	Resoration subtotal	$2,090.00	
	Prime Contractor markup (5%)	$110.00	Geislinger & Sons, Inc.
	Restoration Total	**$2,200.00**	
Traffic Control			
Description: Funish and install temporary traffic control to complete changes outlined in Proposal documents.			
	Materials, Labor, and Equipment	$2,850.00	All State Traffic Control
	Traffic Control subtotal	$2,850.00	
	Prime Contractor markup (5%)	$150.00	Geislinger & Sons, Inc.
	Traffic Control Total	**$3,000.00**	

ELECTRICAL WORK (ITEM 67)			
ITEM AND DESCRIPTION OF WORK	**BREAKDOWN**	**AMOUNTS**	**CONTRACTOR**
Electrical Work			
Description: Furnish and install conduit, wiring, and remaining electrical work and make component connections to complete the metering systems as proposed.			
	Conduit - Labor & Equipment	$4,460.00	Down Right Boring
	Materials	$25,471.63	Design Electric
	Labor, Equipment & Bond	$31,306.49	Design Electric
	Electrical Work Subtotal	$61,238.12	
	Contractor markup (5%)	$3,061.91	Design Electric
	Prime Contractor markup (5%)	$3,215.00	Geislinger & Sons, Inc.
	Electrical Work Total	**$67,515.03**	

METER WORK (ITEM 67)			
ITEM AND DESCRIPTION OF WORK	**BREAKDOWN**	**AMOUNTS**	**CONTRACTOR**
Metering Equipment			
Description: Furnish and install (4) specified metering equipment into the Foley, Sauk Rapids, East Side No. 1, and East Side No. 2 metering structures.			
	Materials	$117,552.78	Tech Sales
	Labor and Equipment	$0.00	Geislinger & Sons, Inc.
	Metering Equipment Subtotal	$117,552.78	
	Prime Contractor markup (5%)	$5,877.64	Geislinger & Sons, Inc.
	Metering Equipment Total	**$123,430.42**	

City of Foley - Wastewater Regionalization Project
Change Proposal Breakdown for Metering Equipment required by St. Cloud.
Project No.: R21.120226
3/21/2023

CONTROLS WORK (ITEM 67)			
ITEM AND DESCRIPTION OF WORK	**BREAKDOWN**	**AMOUNTS**	**CONTRACTOR**
Flow Metering Control Panels			
Description: Furnish and install control panels at East Side No. 1 and East Side No. 2 metering structures.			
	Materials	$185,758.75	Automatic Systems
	Control Panel Subtotal	$185,758.75	
	Contractor markup (5%)	$9,287.94	Design Electric
	Control Panel Total	**$195,046.69**	
Flow Metering Sub Panels			
Description: Furnish and install of 2 sub panels for Foley and Sauk Rapids metering equipment.			
	Materials	$71,941.25	Automatic Systems
	Sub Panel Subtotal	$71,941.25	
	Contractor markup (5%)	$3,597.06	Design Electric
	Sub Panel Total	**$75,538.31**	
Programming			
Description: Program new panels and sub panels and integrate new meters into existing St. Cloud system.			
	Materials	$43,486.88	Automatic Systems
	Programming Subtotal	$43,486.88	
	Contractor markup (5%)	$2,174.34	Design Electric
	Programming Total	**$45,661.22**	
Sampler Fusing			
Description: Connect and integrate salvaged sampler into new system.			
	Materials	$1,395.88	Automatic Systems
	Fusing Subtotal	$1,395.88	
	Contractor markup (5%)	$69.79	Design Electric
	Fusing Total	**$1,465.67**	

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04/25/2023

Sarah Brunn
City Administrator
City of Foley
251 4th Ave. N
Foley, MN 56329

RE: Wastewater Regionalization Project
City of Foley, Minnesota
Project No.: R21.120226

Dear Sarah,

Please find enclosed Payment Estimate No. 8 for the above referenced project. The estimate includes work completed through April 21st. We have reviewed the estimate and recommend approval. If you agree, please sign and date three copies and return one with payment to Geislinger & Sons, Inc., one copy to me for our records, and retain one for yourself.

Please contact me if you have any questions.

Sincerely,

Bolton & Menk, Inc.

Jared Voge, P.E.
Principal Engineer

Contractor's Application for Payment

Owner:	City of Foley	**Owner's Project No.:**	
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	R21.120226
Contractor:	Geislinger and Sons, Inc.	**Agency's Project No.:**	
Project:	Wastewater Regionalization Project		
Contract:	Wastewater Regionalization Project		
Application No.:	8	**Application Date:**	4/21/2023
Application Period:	From 12/24/2022	to	4/21/2023

1. Original Contract Price		$ 16,548,705.51
2. Net change by Change Orders		$
3. Current Contract Price (Line 1 + Line 2)		$ 16,548,705.51
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)		$ 8,932,075.26
5. Retainage		
a. 5% X $ 8,528,848.61 Work Completed		$ 426,442.43
b. 5% X $ 403,226.65 Stored Materials		$ 20,161.33
c. Total Retainage (Line 5.a + Line 5.b)		$ 446,603.76
6. Amount eligible to date (Line 4 - Line 5.c)		$ 8,485,471.50
7. Less previous payments		$ 8,330,438.67
8. Amount due this application		$ 155,032.83
9. Balance to finish, including retainage (Line 3 - Line 4)		$ 7,616,630.25

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor:	Geislinger and Sons, Inc.		
Signature:	Matt Geislinger	**Date:**	4-25-23
Name:	Matt Geislinger	**Title:**	Project Manager

Recommended by Engineer		**Approved by Owner**	
By:		**By:**	Sarah A Brunn
Name:	Jared Voge, P.E.	**Name:**	Sarah A. Brunn
Title:	Principal Engineer	**Title:**	City Administrator
Date:	4/25/2023	**Date:**	05/02/2023

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Foley
Engineer:	Bolton & Menk, Inc.
Contractor:	Geislinger and Sons, Inc.
Project:	Wastewater Regionalization Project
Contract:	Wastewater Regionalization Project

Owner's Project No.:
Engineer's Project: R21.120226
Agency's Project No.:

Application No.: 8 Application Period: From 12/24/22 to 04/21/23 Application Date: 04/21/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
Original Contract													
1	MOBILIZATION	1.00	LUMP SUM	570,000.00	570,000.00	0.56	319,200.00	0.60	342,000.00		342,000.00	60%	228,000.00
2	CLEARING AND GRUBBING	1.70	ACRE	31,000.00	52,700.00	2.83	87,730.00	2.83	87,730.00		87,730.00	166%	(35,030.00)
3	CLEARING AND GRUBBING	27.00	TREE	1,100.00	29,700.00	28.50	31,350.00	28.50	31,350.00		31,350.00	106%	(1,650.00)
4	DECOMMISSION BIRCH LIFT STATION	1.00	LUMP SUM	7,500.00	7,500.00	-	-	-	-		-		7,500.00
5	SALVAGE AND REINSTALL SIGN	14.00	EACH	510.00	7,140.00	39.00	19,890.00	39.00	19,890.00		19,890.00	279%	(12,750.00)
6	SALVAGE AND REINSTALL PIPE CULVERT	252.00	LIN FT	20.00	5,040.00	479.00	9,580.00	479.00	9,580.00		9,580.00	190%	(4,540.00)
7	AGGREGATE SURFACING FROM STOCKPILE (CV)	4,164.00	CU YD	21.00	87,444.00	-	-	-	-		-		87,444.00
8	DEWATERING	1.00	LUMP SUM	0.01	0.01	1.00	0.01	1.00	0.01		0.01	100%	-
9	GEOTEXTILE FABRIC, TYPE 5	8,053.00	SQ YD	2.00	16,106.00	-	-	-	-		-		16,106.00
10	COMMON EXCAVATION (P)	4,082.00	CU YD	15.00	61,230.00	2,869.00	43,035.00	2,869.00	43,035.00		43,035.00	70%	18,195.00
11	AGGREGATE SURFACING, CLASS 2 (CV)	908.00	CU YD	50.00	45,400.00	-	-	-	-		-		45,400.00
12	AGGREGATE SURFACING, CLASS 5 (CV)	1,519.00	CU YD	40.00	60,760.00	-	-	-	-		-		60,760.00
13	AGGREGATE BASE, CLASS 5 (CV)	2,747.00	CU YD	35.00	96,145.00	995.00	34,825.00	995.00	34,825.00		34,825.00	36%	61,320.00
14	BITUMINOUS PATCH - DRIVEWAY	450.00	SQ YD	90.00	40,500.00	185.00	16,650.00	185.00	16,650.00		16,650.00	41%	23,850.00
15	BITUMINOUS PATCH - STREET	796.00	SQ YD	85.00	67,660.00	104.00	8,840.00	104.00	8,840.00		8,840.00	13%	58,820.00
16	12" PIPE APRON	4.00	EACH	250.00	1,000.00	-	-	-	-		-		1,000.00
17	15" PIPE APRON	6.00	EACH	310.00	1,860.00	-	-	-	-		-		1,860.00
18	18" PIPE APRON	4.00	EACH	375.00	1,500.00	-	-	-	-		-		1,500.00
19	24" PIPE APRON	4.00	EACH	525.00	2,100.00	4.00	2,100.00	4.00	2,100.00		2,100.00	100%	-
20	30" PIPE APRON	1.00	EACH	950.00	950.00	-	-	-	-		-		950.00
21	12" PIPE CULVERT	80.00	LIN FT	30.00	2,400.00	-	-	-	-		-		2,400.00
22	15" PIPE CULVERT	76.00	LIN FT	32.00	2,432.00	-	-	-	-		-		2,432.00
23	18" PIPE CULVERT	143.00	LIN FT	36.00	5,148.00	-	-	-	-		-		5,148.00
24	24" PIPE CULVERT	282.00	LIN FT	45.00	12,690.00	284.00	12,780.00	284.00	12,780.00		12,780.00	101%	(90.00)
25	30" PIPE CULVERT	20.00	LIN FT	65.00	1,300.00	-	-	-	-		-		1,300.00
26	CONNECT TO EXISTING SANITARY MAIN	8.00	EACH	7,500.00	60,000.00	-	-	-	-		-		60,000.00
27	8" SANITARY SEWER PIPE	221.00	LIN FT	125.00	27,625.00	-	-	-	-		-		27,625.00
28	12" SANITARY SEWER PIPE	1,995.00	LIN FT	135.00	269,325.00	-	-	701.00	94,635.00		94,635.00	35%	174,690.00
29	15" SANITARY SEWER PIPE	285.00	LIN FT	140.00	39,900.00	-	-	-	-		-		39,900.00
30	18" SANITARY SEWER PIPE	40.00	LIN FT	165.00	6,600.00	-	-	-	-		-		6,600.00
31	27" SANITARY SEWER PIPE	38.00	LIN FT	250.00	9,500.00	-	-	-	-		-		9,500.00
32	FORCE MAIN (MIN. I.D. 11.65 INCHES)	70,839.00	LIN FT	100.00	7,083,900.00	47,428.00	4,742,800.00	47,428.00	4,742,800.00	327,632.36	5,070,432.36	72%	2,013,467.64
33	24" CASING (MIN. DIAM)	374.00	LIN FT	250.00	93,500.00	96.00	24,000.00	96.00	24,000.00		24,000.00	26%	69,500.00
34	TRENCHLESS FORCE MAIN - (MIN. I.D. 11.65 INCHES)	10,692.00	LIN FT	115.00	1,229,580.00	9,402.00	1,081,230.00	9,402.00	1,081,230.00	-	1,081,230.00	88%	148,350.00
35	TRENCHLESS FORCE MAIN & CASING-SIMULTANEOUS PULL-	1,386.00	LIN FT	250.00	346,500.00	871.00	217,750.00	871.00	217,750.00	75,594.29	293,344.29	85%	53,155.71
36	TRENCHLESS 30" CASING (DIRECTIONAL DRILL)	110.00	LIN FT	850.00	93,500.00	-	-	-	-		-		93,500.00
37	GATE VALVE AND BOX	12.00	EACH	5,500.00	66,000.00	6.00	33,000.00	6.00	33,000.00		33,000.00	50%	33,000.00
38	METERING & OUTFALL MANHOLES - FOLEY	1.00	LUMP SUM	40,000.00	40,000.00	-	-	-	-		-		40,000.00
39	METERING MANHOLE - SAUK RAPIDS	1.00	LUMP SUM	45,000.00	45,000.00	-	-	-	-		-		45,000.00
40	CONSTRUCT 8" OUTSIDE DROP	4.30	LIN FT	650.00	2,795.00	-	-	-	-		-		2,795.00
41	CONSTRUCT SANITARY SEWER MANHOLE - DESIGN 4007 48"	178.00	LIN FT	550.00	97,900.00	-	-	25.73	14,151.50		14,151.50	14%	83,748.50
42	CONSTRUCT SANITARY SEWER MANHOLE - 60" DESIGN	23.90	LIN FT	650.00	15,535.00	-	-	-	-		-		15,535.00
43	FIBERGLASS-REINFORCED MANHOLE	1.00	EACH	40,000.00	40,000.00	-	-	-	-		-		40,000.00
44	CASTING ASSEMBLY	14.00	EACH	1,000.00	14,000.00	-	-	-	-		-		14,000.00
45	AIR & VACUUM RELEASE MANHOLE	42.00	EACH	25,000.00	1,050,000.00	18.00	450,000.00	18.00	450,000.00		450,000.00	43%	600,000.00
46	LOCATE EXISTING UTILITY	468.00	EACH	125.00	58,500.00	111.00	13,875.00	111.00	13,875.00		13,875.00	24%	44,625.00
47	CONSTRUCT LIFT STATION - BROADWAY	1.00	LUMP SUM	350,000.00	350,000.00	-	-	-	-		-		350,000.00
48	BROADWAY LIFT STATION ELECTRICAL, GENERATOR, &	1.00	LUMP SUM	125,000.00	125,000.00	-	-	-	-		-		125,000.00
49	CONSTRUCT LIFT STATION - GOLF	1.00	LUMP SUM	400,000.00	400,000.00	0.85	340,000.00	0.85	340,000.00		340,000.00	85%	60,000.00

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner: City of Foley
Engineer: Bolton & Menk, Inc.
Contractor: Geislinger and Sons, Inc.
Project: Wastewater Regionalization Project
Contract: Wastewater Regionalization Project

Owner's Project No.:
Engineer's Project: R21.120226
Agency's Project No.:

Application No.: 8 Application Period: From 12/24/22 to 04/21/23 Application Date: 04/21/23

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
50	GOLF LIFT STATION ELECTRICAL, GENERATOR, & CONTROLS	1.00	LUMP SUM	140,000.00	140,000.00	-	-	-	-		-		140,000.00
51	CONSTRUCT LIFT STATION - MAIN	1.00	LUMP SUM	500,000.00	500,000.00	0.85	425,000.00	0.85	425,000.00		425,000.00	85%	75,000.00
52	MAIN LIFT STATION ELECTRICAL, GENERATOR, & CONTROLS	1.00	LUMP SUM	140,000.00	140,000.00	-	-	-	-		-		140,000.00
53	LIFT STATION ALTERATIONS - LANGE	1.00	LUMP SUM	200,000.00	200,000.00	-	-	-	-		-		200,000.00
54	LANGE LIFT STATION ELECTRICAL, GENERATOR, & CONTROLS	1.00	LUMP SUM	55,000.00	55,000.00	-	-	-	-		-		55,000.00
55	CONSTRUCT ODOR CONTROL BUILDING	1.00	LUMP SUM	600,000.00	600,000.00	0.24	144,000.00	0.24	144,000.00		144,000.00	24%	456,000.00
56	ODOR CONTROL BUILDING ELECTRICAL & CONTROLS	1.00	LUMP SUM	50,000.00	50,000.00	-	-	-	-		-		50,000.00
57	PUBLIC WORKS SCADA/ELECTRICAL & PROGRAMMING	1.00	LUMP SUM	51,000.00	51,000.00	-	-	-	-		-		51,000.00
58	CHAIN LINK FENCE	427.00	LIN FT	50.00	21,350.00	-	-	-	-		-		21,350.00
59	TRAFFIC CONTROL	1.00	LUMP SUM	50,000.00	50,000.00	0.56	28,000.00	0.56	28,000.00		28,000.00	56%	22,000.00
60	EROSION AND SEDIMENT CONTROL	1.00	LUMP SUM	60,000.00	60,000.00	0.56	33,600.00	0.60	36,000.00		36,000.00	60%	24,000.00
61	RIPRAP, CLASS III	178.00	CU YD	65.00	11,570.00	-	-	34.71	2,256.15		2,256.15	20%	9,313.85
62	SEED 25-141, FERTILIZER, HYDRAULIC MATRIX	305,376.00	SQ YD	0.50	152,688.00	148,194.30	74,097.15	164,415.80	82,207.90		82,207.90	54%	70,480.10
63	SEED 25-141, FERTILIZER, EROSION CONTROL BLANKET	54,312.00	SQ YD	2.50	135,780.00	23,769.60	59,424.00	30,928.10	77,320.25		77,320.25	57%	58,459.75
64	SEED 34-171	39,905.00	SQ YD	0.50	19,952.50	6,444.00	3,222.00	8,329.60	4,164.80		4,164.80	21%	15,787.70
65	GENERAL CONSTRUCTION ALLOWANCE	1.00	ALLOWANCE	120,000.00	120,000.00	-	-	-	-		-		120,000.00
66	COMPUTER ALLOWANCE	1.00	ALLOWANCE	10,000.00	10,000.00	-	-	-	-		-		10,000.00
67	ST. CLOUD FLOW METERING ALLOWANCE	1.00	ALLOWANCE	500,000.00	500,000.00	-	-	-	-		-		500,000.00
68	UTILITY SERVICE ALLOWANCE	1.00	ALLOWANCE	400,000.00	400,000.00	0.01	3,706.00	0.01	3,706.00		3,706.00	1%	396,294.00
A.1	JACK & AUGER 24" CASING (MIN DIAM) & FORCE MAIN	490.00	LIN FT	1,200.00	588,000.00	88.31	105,972.00	88.31	105,972.00		105,972.00	18%	482,028.00
				Original Contract Totals	$ 16,548,705.51		$ 8,365,656.16		$ 8,528,848.61	$ 403,226.65	$ 8,932,075.26	54%	$ 7,616,630.25

Stored Materials Summary

Contractor's Application for Payment

Owner:	City of Foley
Engineer:	Bolton & Menk, Inc.
Contractor:	Geislinger and Sons, Inc.
Project:	Wastewater Regionalization Project
Contract:	Wastewater Regionalization Project

Owner's Project No.:
Engineer's Project No.: R21.120226
Agency's Project No.:

Application No.: 8 **Application Period:** From 12/24/22 to 04/21/23 **Application Date:** 04/21/23

A	B	C	D	E	F	G	H	I	J	K	L	M
						Materials Stored			Incorporated in Work			
Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	Supplier Invoice No.	Submittal No. (with Specification Section No.)	Description of Materials or Equipment Stored	Storage Location	Application No. When Materials Placed in Storage	Previous Amount Stored ($)	Amount Stored this Period ($)	Amount Stored to Date (G+H) ($)	Amount Previously Incorporated in the Work ($)	Amount Incorporated in the Work this Period ($)	Total Amount Incorporated in the Work (J+K) ($)	Materials Remaining in Storage (I-L) ($)
32	Q955350	1 - 02535	Forcemain Pipe HDPE (9000 LF@$36.5/FT)	Contractor secured site	1	328,500.00		328,500.00	328,500.00		328,500.00	-
32	Q955352	1 - 02535	Forcemain Pipe HDPE (7200 LF@$36.5/FT)	Contractor site	1	262,800.00		262,800.00	262,800.00		262,800.00	-
35	Q899708	1 - 02535	Forcemain Trenchless (900 LF)	Contractor site	1	60,075.00		60,075.00	58,139.25		58,139.25	1,935.75
32	Q700254	1 - 02535	Forcemain PVC	Contractor site	2	99,397.86		99,397.86			-	99,397.86
35	Q700069	1 - 02535	Forcemain Trenchless - 16" FPVC	Contractor site	2	176,001.04		176,001.04	102,342.50		102,342.50	73,658.54
32	Q700202	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	352,726.88		352,726.88	352,726.88		352,726.88	-
32	R108559	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	352,726.88		352,726.88	352,726.88		352,726.88	-
32	R100644	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	211,636.13		211,636.13	211,636.13		211,636.13	-
32	R100672	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	211,636.13		211,636.13	211,636.13		211,636.13	-
32	R096653	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	141,090.75		141,090.75	53,947.00		53,947.00	87,143.75
32	R115020	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	141,090.75		141,090.75			-	141,090.75
34	R108573	1 - 02535	Forcemain Pipe HDPE	Contractor site	2	211,636.13		211,636.13	211,636.13		211,636.13	-
32	R320146	1 - 02535	Forcemain Components	Contractor Site	3	6,652.38		6,652.38	6,652.38		6,652.38	-
32	R328247	1 - 02535	Forcemain Components	Contractor Site	3	2,746.37		2,746.37	2,746.37		2,746.37	-
32	R382355	1 - 02535	Forcemain Components	Contractor Site	3	1,778.13		1,778.13	1,778.13		1,778.13	-
32	R390082	1 - 02535	Forcemain Components	Contractor Site	3	1,717.17		1,717.17	1,717.17		1,717.17	-
32	R392202	1 - 02535	Forcemain Components	Contractor Site	3	521.70		521.70	521.70		521.70	-
32	R393786	1 - 02535	Forcemain Components	Contractor Site	3	1,496.55		1,496.55	1,496.55		1,496.55	-
		33-02530	FRP Manhole	Manufactures warehouse	6	25,419.00		25,419.00			-	25,419.00
								-			-	-
								-			-	-
								-			-	-
								-			-	-
				Totals		$ 2,589,648.85	$ -	$ 2,589,648.85	$ 2,161,003.20	$ -	$ 2,161,003.20	$ 428,645.65

CITY OF FOLEY
COUNTY OF BENTON
STATE OF MINNESOTA

ORDINANCE NUMBER 475

AN ORDINANCE AMENDING THE FOLEY CITY ORDINANCES
CHAPTER VI, SECTION 610
SEWER RATES AND CHARGES FOR SPRINKLERS

The Foley City Council hereby ordains:

SECTION 1:

That Section 610:00, Subdivision 2 is hereby repealed in its entirety and replaced with the following:

> Subd. 2. Rates, Fees and Charges. The City Council shall adopt by resolution schedules of water rates, fees and charges which schedules shall be known as the sewer rate schedule. All water usage is subject to sewer rate charges except properties which have a city approved sprinkler meter. All sprinkler meters are subject to the conditions of the current city sprinkler policy.

SECTION 2:

Upon approval by at least 4/5th of all of the members of the City Council, the Council determines that the following summary clearly informs the public of the intent and effect of this ordinance and authorizes the publication of the summary in place of the entire text thereof:

> **AN ORDINANCE AMENDING WATER CHARGES AND RATES FOR SPRINKLERS.**
>
> The Water Charges and Rates were amended to allow the City Council to set the water rate schedule by resolution. A copy of the ordinance is available at City regular business hours

Passed and adopted by the City Council of the City of Foley this 2nd day of May, 2023.

Jack M. Brosh, Mayor

ATTEST:

Sarah A. Brunn, Administrator

Addresses with Sprinkers (21 Properties)	Monthly Summer Sprinkler Usage 2019	Monthly Summer Sprinkler Usage 2020	Monthly Summer Sprinkler Usage 2021
Broadway Ave. N. (Stoney Brook West Sprinkler)	657	364	1384
Grand St. (Stony Brook East Sprinkler)	13483	26204	22375
4th Ave. S. (Grand Tour Townhomes Sprinkler)	1845	2890	5396
Poplar Pl. (Progressive Homes West Sprinkler)	692	20236	7669
Poplar Pl. (Progressive Homes East Sprinkler)	0	28666	4070
2nd Ave.	6912	12788	20184
4th Ave. S.	5042	8273	27470
Oak Dr.	844	914	326
Maple Dr.	3823	7984	12258
Norman Ave. N.	3463	8901	19779
Norman Ave. N.	3173	19037	3289
Kathryn Ln.	264	1779	3456
Kathryn Ln.	4736	12207	13092
Norway Dr.	2984	4943	5488
Morgan Dr.	3650	7222	3338

Morgan Dr.	1859	4806	6748
Golf Court	0	790	8789
Golf Court	1607	1945	3919
Golf Court	2477	1120	6118
Golf Court	2301	3376	16827
Golf Court	6659	8560	10544
Monthly Summer Sprinker Gallons	66472	183004	202516

Notes

~Significant increases in sprinkler usage over past 3 years.

~These accounts are estimated to be **about half** of all sprinklers in town.

~Assuming 4 months of sprinkler usage (on these 21 accounts @ current rate):

$2,633/month of sewer revenue lost

$10,532/year of sewer revenue lost

Entire City Impact = Approximately $21,000 less in sewer revenue.

~MN Rural Water recommends if any sprinkler adjustment be made to require a separate meter.

Staff Sprinkling Ordinance Recommendations ~~07/12/2022~~ 04/21/2023

Red = provided by mayor Blue= additional comments from legal/admin

- Each sprinkler system must be plumbed separately and will be required to install a separate meter in an interior location as approved by the city building official or public works department.
    - Estimated cost of approximately $300 for the meter.
    - A separate shut-off valve must be provided for both meters.
    - Must apply for a plumbing permit.
    - Must be inspected by the building official or public works department prior to use.
    - Only hard plumbed sprinkler systems used for lawn irrigation are allowed this exception – does not apply to pools, gardens, car washing, etc.
- It is recommended that water rate charged to sprinklers be ~~20% higher than~~ standard water rate ~~due to it being treated water.~~
    - For 2023: .65/100 gallons is current water rate~~, sprinklers would be charged .76/100 gallons.~~
    - Rate would increase accordingly to city approved rate increases.
- Each account will be billed the minimum water charge each month (currently 2500 gallons) and any applicable service charges – regardless if using water or not. All excess usage will be billed at the sprinkler water rate.
    - Disconnects would only be allowed by paying the disconnection/reconnection fee.
    - $150 Disconnect, $150 Reconnect Fees would apply.
- No sprinklers are allowed to operate between the hours of 11:00am-4:00pm.
    - The public works director reserves the right to issue watering bans and odd/even watering in the case of emergency – per city ordinance and water supply plan.
- If a property owner installs a lawn irrigation meter and decides to disconnect such irrigation meter permanently, they must follow a process determined by the Public Works Director to disable the 'T" in the line. Any irrigation meter that is turned off and remains off for over one year will also be subject to the same disabling requirements.
- If property owner sells, must disclose sprinkler agreement to buyer.

Additional Considerations (provided by legal):

- How do you define lawn irrigation – only city yards, larger areas of land, etc.?
- Recommends a public hearing (but not required) when making this type of change due to the impact on other rate payers.

Additional Considerations (Admin):

- Would need to develop an official sprinkler policy based on final ordinance recommendations.
- What is the justification of not including pools, garden watering, washing cars? Staff needs clear direction in order to adequately communicate with public.

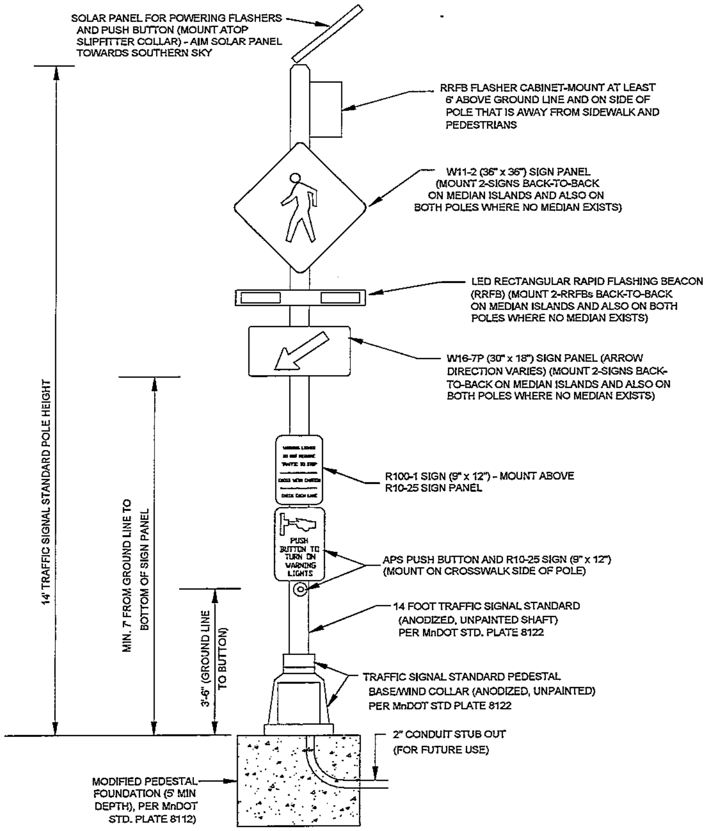
2023 TH 23 RRFB IMPROVEMENTS
FOLEY, MN
SEH NO. FOLEY 158958

4/18/2023

ITEM NO.	ITEM DESCRIPTION	UNIT OF MEASUREMENT	UNIT PRICE	APPROXIMATE QUANTITY	TOTAL
FLASHER SYSTEM A					
1	Pedestal Pole Foundation	EACH	$1,000.00	2	$2,000.00
2	Pedestal Pole, Base, Wind Collar	EACH	$1,700.00	2	$3,400.00
3	RRFB	EACH	$3,000.00	4	$12,000.00
4	APS Push Button Station	EACH	$2,200.00	1	$2,200.00
5	Push Button and Sign	EACH	$500.00	2	$1,000.00
6	Type C Sign Panels	SQ FT	$60.00	54	$3,240.00
7	Sidewalk and Trail Modifications	LUMP SUM	$5,000.00	1	$5,000.00
8	Solar Powered Components	EACH	$1,500.00	2	$3,000.00
9	Conduit and Conduit Stub Outs	EACH	$550.00	3	$1,650.00
10	Cabinet and Components	EACH	$1,000.00	2	$2,000.00
					$35,490.00
FLASHER SYSTEM B					
1	Pedestal Pole Foundation	EACH	$1,000.00	3	$3,000.00
2	Pedestal Pole, Base, Wind Collar	EACH	$1,700.00	3	$5,100.00
3	RRFB	EACH	$3,000.00	4	$12,000.00
4	Push Button and Sign	EACH	$500.00	3	$1,500.00
5	Type C Sign Panels	SQ FT	$60.00	56	$3,360.00
6	Sidewalk, Median, and Trail Modifications	LUMP SUM	$8,000.00	1	$8,000.00
7	Solar Powered Components	EACH	$1,500.00	3	$4,500.00
8	Conduit and Conduit Stub Outs	EACH	$550.00	3	$1,650.00
9	Cabinet and Components	EACH	$1,000.00	3	$3,000.00
					$42,110.00

FLASHER SYSTEM A	**$35,490.00**
FLASHER SYSTEM B	**$42,110.00**
TOTAL PROJECT COST	**$77,600.00**

RRFB PEDESTAL POLE DETAIL



LEGEND OF SYMBOLS

PEDESTAL BASE NO.	(1)
FLASHER PEDESTAL	■
RECTANGULAR RAPID FLASHING BEACON	→
APS PUSH BUTTON STATION (WITH PUSH BUTTON)	◂
NON-METALLIC CONDUIT	====
INPLACE STREET LIGHT	✲

ABBREVIATIONS

F & I	FURNISH AND INSTALL
PB	PUSH BUTTON
RRFB	RECTANGULAR RAPID FLASHING BEACON
MIN	MINIMUM
GRD	GROUND

TABULATION OF FLASHER QUANTITIES

	ITEM NO	ITEM DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY
SP 0504-20	(C)			
	2565.616	PEDESTRIAN CROSSWALK FLASHER SYSTEM A	SYSTEM	1
	2565.616	PEDESTRIAN CROSSWALK FLASHER SYSTEM B	SYSTEM	1

(C) 80% TA FEDERAL / 20% CITY OF FOLEY BOND FUNDS (CAPPED)

TRAFFIC SIGNAL STANDARD PLATES

THESE TRAFFIC SIGNAL STANDARD PLATES AS APPROVED BY FHWA SHALL APPLY:

	PLATE NO.	DESCRIPTION
	8111 E	TRAFFIC SIGNAL BRACKETING (PEDESTAL MOUNTED) (3 SHEETS)
(1)	8112 I	PEDESTAL FOUNDATION (FOR TRAFFIC CONTROL SIGNALS)
	8122 F	PEDESTAL AND PEDESTAL BASE (FOR TRAFFIC CONTROL SIGNALS SUPPORT) (2 SHEETS)
	8129 A	SHIM AND WASHER (TRAFFIC CONTROL SIGNALS AND ROADWAY LIGHTING)

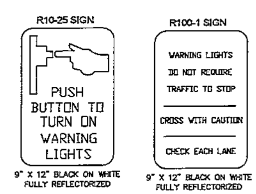
(1) MODIFIED PEDESTAL FOUNDATION TO BE 60-INCH DEPTH.

SIGNING NOTES:

1) SEE CURRENT MnDOT STANDARD SIGNS AND MARKINGS MANUAL FOR STANDARD SIGN DESIGNS AND PUNCHING CODES.
2) FOR NON-STANDARD SIGN DESIGNS, LAYOUTS ARE INCLUDED ELSEWHERE ON THIS PLAN SHEET. SIGN DIMENSIONS ARE IN INCHES.
3) FURNISHING AND INSTALLING NEW SIGN PANELS FOR EACH NEW PEDESTRIAN CROSSWALK FLASHER SYSTEM SHALL BE INCLUDED AS PART OF PAY ITEM FOR ITEM NO. 2565 (PEDESTRIAN CROSSWALK FLASHER SYSTEMS A-B).
4) PEDESTAL POLE MOUNTED SIGN PANELS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR USING CONTRACTOR FURNISHED AND INSTALLED MOUNTING HARDWARE.
5) COLOR FOR W11-2 AND W16-7P SIGN PANELS SHALL BE BLACK ON FLUORESCENT YELLOW-GREEN, FULLY REFLECTORIZED.
   COLOR FOR R10-25 AND R100-1 SIGN PANELS SHALL BE BLACK ON WHITE BACKGROUND, FULLY REFLECTORIZED.
6) REMOVAL OF GROUND (POST) MOUNTED SIGNS AND POSTS AS NOTED ON THIS FLASHER PLAN SHEET WILL BE INCLUDED AS PART OF THE PAY ITEM FOR ITEM NO. 2565 (PEDESTRIAN CROSSWALK FLASHER SYSTEMS A-B).

REMOVE SIGNS (POST MOUNTED AT FLASHER SYSTEMS)

FLASHER SYSTEM	SIGN PANEL	NO. OF POSTS	NO. REQ.	SIZE (IN)	PANEL LEGEND
A	W11-2	1-SQ	2	30 x 30	Pedestrian Crossing (Symbol)
	W16-7P		2	24 x 18	Down Arrow
B	W11-2	1-SQ	1	30 x 30	Pedestrian Crossing (Symbol)
	W16-7PL		1	24 x 18	Down Arrow (Left)
B	R1-6a	1-SQ	2	12 x 36	State Law Stop for Pedestrians Within Crosswalk



SIGNS FOR PEDESTRIAN CROSSWALK FLASHER SYSTEMS A-B
SIGN PANELS (F & I) - FLASHER POLE MOUNTED SIGNS

FLASHER SYSTEM	SIGN PANEL	POLE NO.	NO. REQ.	SIZE (IN)	AREA/SIGN (SQ. FT.)	TOTAL AREA (SQ. FT.)	MOUNTING BRACKET QUANTITY	PANEL LEGEND
A	R10-25	2,3	2	9 x 12	0.75	1.50	SEE NOTE 4	Push Button To Turn On Warning Lights
A	R100-1	2,3	2	9 x 12	0.75	1.50	SEE NOTE 4	Warning Lights Do Not Require Traffic To Stop
A	W11-2	1,1,2,2	4	36 x 36	9.00	36.00	SEE NOTE 4	Pedestrian Crossing (Symbol)
A	W16-7PL	1,2	2	30 x 18	3.75	7.50	SEE NOTE 4	Down Arrow (Left)
A	W16-7PR	1,2	2	30 x 18	3.75	7.50	SEE NOTE 4	Down Arrow (Right)
TOTAL QUANTITIES SYS A			12			54.00		
B	R10-25	1,2,3	3	9 x 12	0.75	2.25	SEE NOTE 4	Push Button To Turn On Warning Lights
B	R100-1	1,2,3	3	9 x 12	0.75	2.25	SEE NOTE 4	Warning Lights Do Not Require Traffic To Stop
B	W11-2	1,2,2,3	4	36 x 36	9.00	36.00	SEE NOTE 4	Pedestrian Crossing (Symbol)
B	W16-7PL	1,3	2	30 x 18	3.75	7.50	SEE NOTE 4	Down Arrow (Left)
B	W16-7PR	2,2	2	30 x 18	3.75	7.50	SEE NOTE 4	Down Arrow (Right)
TOTAL QUANTITIES SYS B			14			55.50		

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: JOHN M GRAY, PE
Date 04/18/2023 License # 22457

STATE PROJECT NO. 0504-20
COUNTY PROJECT NO.
CITY PROJECT NO.

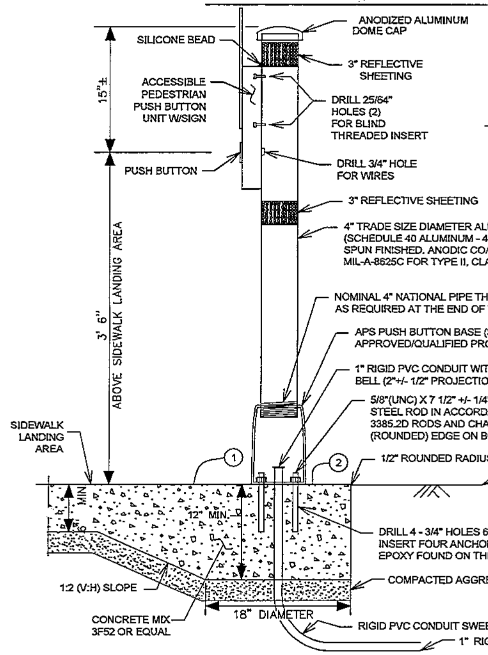
DRAWN BY J. GRAY
DESIGNED BY J. GRAY
CHECKED BY J. GRIFFITH
COMM. NO. 0012657

SEH

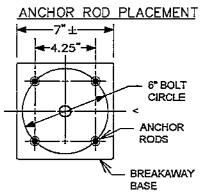
MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF FOLEY – UTILITY CONSTRUCTION PLANS
SP 0504–20 (TH 23)
RRFB DETAILS, STANDARD PLATES, AND QUANTITIES

SHEET SG1 OF SG4

APS PUSH BUTTON STATION



ANCHOR ROD PLACEMENT



NOTES:

PLACEMENT AND ORIENTATION OF THE PUSH BUTTON STATION IS CRITICAL. MOUNT THE BUTTON SO THAT THE FACE IS PARALLEL WITH THE ASSOCIATED CROSSWALK. SCREW IN SHAFT TO A TIGHTENED POSITION BEFORE MOUNTING ACCESSIBLE PEDESTRIAN PUSH BUTTON UNIT TO THE SHAFT.

ORIENT ACCESS OPENING ON THE BREAKAWAY PEDESTAL DIRECTLY BELOW THE APS BUTTON.

PLUMB THE PUSH BUTTON STATION WITH LEVELING SHIMS IN ACCORDANCE WITH STANDARD PLATE 8129.

INSTALL BLIND THREADED INSERTS USING MANUFACTURER'S SPECIFIC INSERTION TOOL.

USE ZINC PLATED STEEL 1/4 - 20 UNC BLIND THREADED INSERTS SUITABLE FOR MOUNTING ON SURFACE WALL THICKNESS OF .337. APPROVED BLIND INSERTS ARE LISTED ON MNDOT'S APPROVED/QUALITY PRODUCTS LIST WEBSITE FOR TRAFFIC SIGNALS.

USE APS 1/4 - 20 STAINLESS STEEL MOUNTING BOLTS. APPLY BRUSH ON ANTI SEIZE COMPOUND TO BOLTS PRIOR TO ASSEMBLY.

APPLY A BEAD OF 100% SILICONE SEALANT ALONG THE TOP OF THE PUSH BUTTON UNIT WHERE IT COMES IN CONTACT WITH THE 4" SHAFT.

USE WHITE REFLECTIVE SHEETING AT INTERSECTION CORNERS AND YELLOW REFLECTIVE SHEETING IN CENTER MEDIANS. APPROVED TUBE DELINEATOR SHEETING IS LISTED ON MNDOT'S APPROVED/QUALIFIED PRODUCTS LIST WEBSITE FOR SIGNING.

AN 18" X 6" FIBER FORMING TUBE MAY BE USED FOR THE LOWER HALF OF THE FOUNDATION WHEN CONDITIONS DO NOT ALLOW FOR THE 18" X 6" HOLE TO STAND OPEN.

(1) THE PUSH BUTTON STATION FOUNDATION IS MONOLITHIC (POURED AT ONE TIME) WITH THE SIDEWALK. PROVIDE A 1:2 (V:H) SLOPE GRADE WHERE THE 6" MIN SIDEWALK DEPTH TRANSITIONS TO THE 12" MIN FOUNDATION DEPTH. MAINTAIN THE COMPACTED AGGREGATE BEDDING AND THICKNESS USED FOR THE SIDEWALK THROUGHOUT THE SLOPE AND FOUNDATION GRADING. PROVIDE 1:2 (V:H) SLOPE GRADING 360 DEGREES FOR THE TRANSITION FROM THE SIDEWALK TO THE FOUNDATION WHEN THE FOUNDATION IS NOT LOCATED NEAR EDGE OF SIDEWALK AND IS SURROUNDED BY CONCRETE WALK.

(2) ENSURE CONCRETE CONTROL JOINTS AND EDGE OF CONCRETE WALK ARE A MINIMUM 9" FROM THE CENTER OF THE PUSH BUTTON FOUNDATION.

TYPICAL APS PEDESTRIAN PUSH BUTTON LOCATION

THIS IS A GENERAL DETAIL INTENDED TO SHOW THE REQUIREMENTS OF APS PUSH BUTTON LOCATION. FOR PROJECT SPECIFIC INFORMATION REGARDING PEDESTRIAN RAMP LAYOUT AND PUSH BUTTON LOCATIONS, SEE THE PLAN.

SUPPLEMENTAL GUIDANCE FOR CONSTRUCTING COMPLIANT APS PUSH BUTTONS:

(1) THE FACE OF THE BUTTON SHALL BE PARALLEL WITH THE OUTSIDE EDGE OF CROSSWALK.

(2) A MINIMUM 4 FT X 4 FT LANDING AREA SHALL BE PROVIDED ADJACENT TO EACH BUTTON, WITH A 2 PERCENT MAXIMUM SLOPE IN ALL DIRECTIONS.

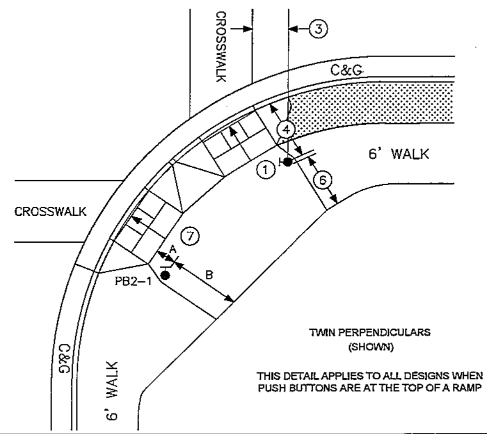
(3) BUTTONS SHALL BE WITHIN 5 FT OF THE OUTSIDE EDGE OF THE CROSSWALK.

(4) BUTTONS SHALL BE BETWEEN 1.5 FT AND 10 FT FROM THE BACK OF CURB OR EDGE OF ROADWAY, MEASURED IN THE DIRECTION OF TRAVEL. STANDALONE PUSH BUTTON STATIONS SHOULD BE 4' MINIMUM FROM THE BACK OF CURB TO AVOID KNOCKDOWNS.

(5) BUTTONS SHALL BE AT LEAST 10 FT APART.

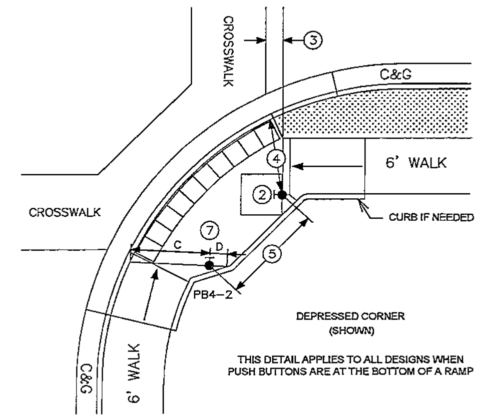
(6) PROVIDE A MAINTENANCE ACCESS ROUTE (MAR) WHEREVER POSSIBLE FOR SNOW REMOVAL PURPOSES. A MAR REQUIRES A 6 FT MINIMUM CLEAR DISTANCE BETWEEN A PUSH BUTTON AND ANY OBSTRUCTIONS,INCLUDING BUILDINGS, V-CURB, ELECTRICAL FOUNDATIONS, SIGNAL CABINETS, OR ANOTHER PUSH BUTTON.

(7) BUTTON SHOULD BE 2 FT MINIMUM FROM RAMP GRADE BREAK AND BACK OF WALK.



TWIN PERPENDICULARS (SHOWN)

THIS DETAIL APPLIES TO ALL DESIGNS WHEN PUSH BUTTONS ARE AT THE TOP OF A RAMP

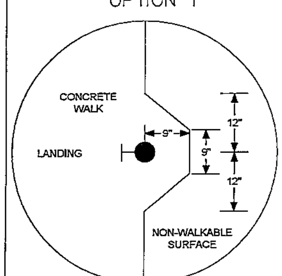


DEPRESSED CORNER (SHOWN)

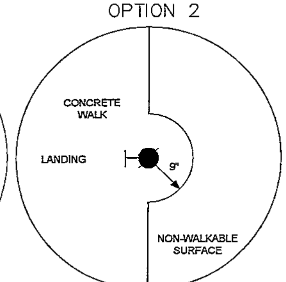
THIS DETAIL APPLIES TO ALL DESIGNS WHEN PUSH BUTTONS ARE AT THE BOTTOM OF A RAMP

CONTRACTOR MUST USE OPTION 1 OR 2 WHEN THE APS PUSH BUTTON IS SHOWN AT THE EDGE OF WALK. OPTION USED (OR SELECTED) MUST BE THE SAME THROUGHOUT THE ENTIRE PROJECT.

OPTION 1



OPTION 2



SIGNAL CONTROL POINTS			DISTANCE TO FRONT OF LANDING (FT)	DISTANCE TO BACK OF LANDING (FT)
SIGNAL NO.	X	Y		
PB2-1	–	–	A	B
PB4-2	–	–	C	D

A - DISTANCE MEASURED FROM THE PUSH BUTTON TO THE FRONT OF LANDING/TOP OF RAMP

B - CLEAR DISTANCE MEASURED FROM THE PUSH BUTTON TO THE BACK OF LANDING/EDGE OF WALK

C - CLEAR DISTANCE MEASURED FROM THE PUSH BUTTON TO THE OUTSIDE EDGE OF DOMES IN THE DIRECTION OF TRAVEL

D - CLEAR DISTANCE FROM THE PUSH BUTTON TO THE BACK OF LANDING MEASURED IN THE OPPOSITE DIRECTION OF TRAVEL

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: JOHN M GRAY, PE
Date 04/18/2023 License # 22457

STATE PROJECT NO. 0504-20
COUNTY PROJECT NO.
CITY PROJECT NO.

DRAWN BY J. GRAY
DESIGNED BY J. GRAY
CHECKED BY J. GRIFFITH
COMM. NO. 0012657

SEH

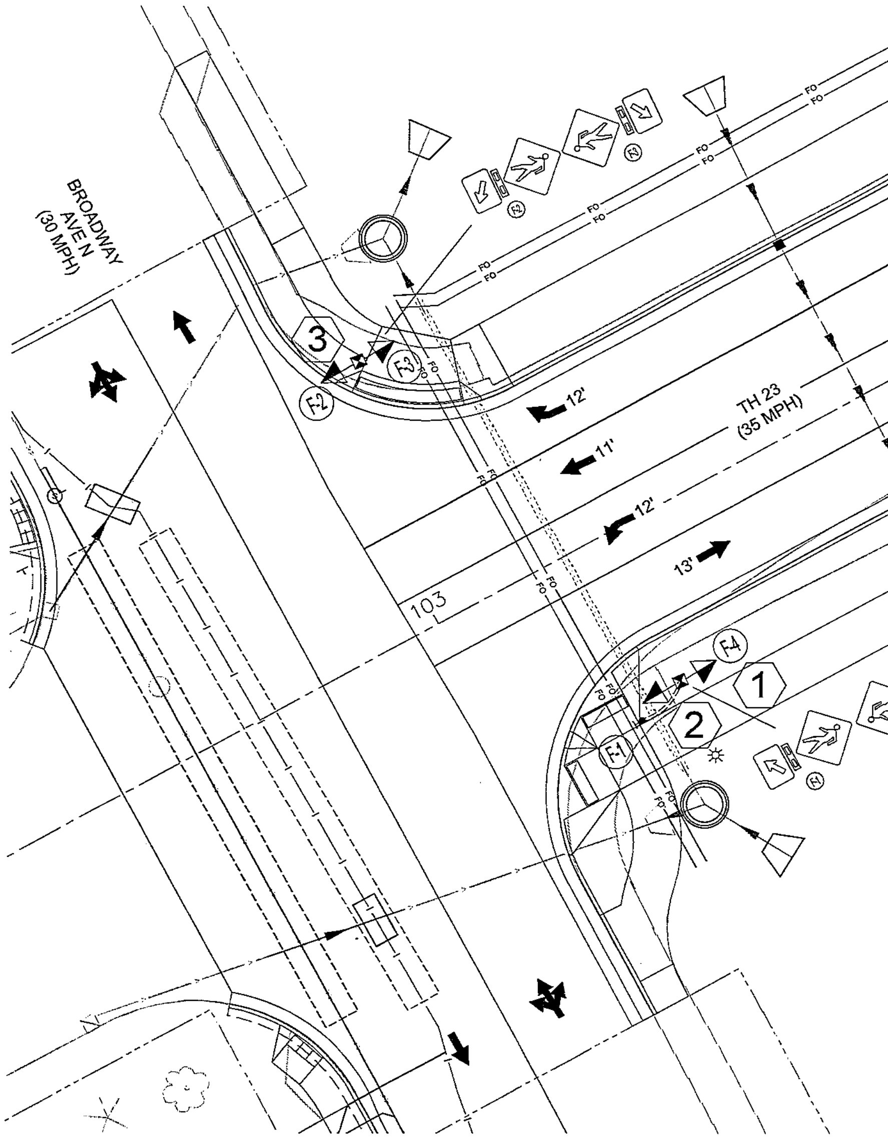
MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF FOLEY – UTILITY CONSTRUCTION PLANS
SP 0504-20 (TH 23)
APS PUSH BUTTON STATION DETAILS

SHEET SG2 OF SG4

Save: 4/24/2023 1:05 PM jgriffith Plot: 4/24/2023 1:05 PM X:\FJ\F\FOLEY\158956\5-final-dsgn\51-drawings\10-Civil\cad\dwg\sheet\FO158956PB.dwg

PEDESTRIAN CROSSWALK FLASHER SYSTEM NOTES:

1) THE EXACT LOCATION OF THE NEW PEDESTAL FOUNDATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2) ALL CABLES AND CONDUCTORS USED SHALL BE AWG (AMERICAN WIRE GAUGE).
3) ALL NEW CONDUIT SHALL BE PVC-SCHEDULE 80 OR HDPE SCHEDULE 80.
4) SEE DETAILS FOR FURTHER INFORMATION REGARDING MOUNTING OF FLASHER POLE MATERIALS.
5) DEPTH OF NEW CONCRETE PEDESTAL POLE FOUNDATIONS SHALL BE 5-FEET (MINIMUM). SEE STANDARD PLATES AND SPECIAL PROVISIONS.
6) PEDESTRIAN CROSSWALK FLASHER SYSTEM SHALL BE SET UP TO BE PUSH BUTTON ACTUATED.
7) PAVEMENT MARKINGS WILL BE COMPLETED BY OTHERS AS PART OF COMPLETED PROJECT.
8) TYPE OF PUSH BUTTON CABLE SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR THAT IS FULLY COMPATIBLE WITH THE APS PUSH BUTTONS BEING FURNISHED AND INSTALLED BY CONTRACTOR.
9) CONTRACTOR SHALL PROVIDE SOFTWARE AND PERSONNEL TO TRAIN CITY STAFF IN THE SET-UP AND MAINTENANCE OF THE COMPLETE PEDESTRIAN CROSSWALK FLASHER SYSTEM (INCIDENTAL).
10) ALL MOBILIZATION, TRAFFIC CONTROL, RESTORATION, AND WORK RELATED TO THE INSTALLATION OF PEDESTRIAN CROSSWALK FLASHER SYSTEM "A" IS INCIDENTAL.
11) CONCRETE SIDEWALK, CURB RAMP, AND BITUMINOUS TRAIL WORK NEEDED TO ACCOMMODATE THE INSTALLATION OF PEDESTRIAN CROSSWALK FLASHER SYSTEM A WILL BE INCLUDED AS PART OF THE PAY ITEM FOR PEDESTRIAN CROSSWALK FLASHER SYSTEM A WITH NO DIRECT COMPENSATION BEING MADE THEREFORE.



CONCRETE WALK, BITUMINOUS TRAIL, CURB RAMP REPLACEMENT WORK:

IN ORDER TO ACCOMMODATE FLASHER POLE INSTALLATION WORK FOR PEDESTRIAN CROSSWALK FLASHER SYSTEM A, THE FOLLOWING CONCRETE WALK, BITUMINOUS TRAIL, AND CURB RAMP REMOVAL AND REPLACEMENT WORK WILL BE REQUIRED TO BE COMPLETED BY THE CONTRACTOR AND WILL BE INCLUDED AS PART OF THE BID ITEM FOR ITEM NO. 2565 (PEDESTRIAN CROSSWALK FLASHER SYSTEM A):

- SE QUADRANT (BY POLE 2) - REMOVE AND REPLACE IMPACTED WALK/ TRAIL AND REVISE EXISTING PEDESTRIAN CURB RAMP SO THAT THERE IS A LANDING AREA ADJACENT TO THE NEW APS PUSH BUTTON STATION.
- NE QUADRANT (BY POLE 3) - REMOVE AND REPLACE IMPACTED WALK/ TRAIL AND REVISE EXISTING PEDESTRIAN CURB RAMP SO THAT THERE IS A LANDING AREA ADJACENT TO THE NEW FLASHER POLE.

(1) F & I
MODIFIED PEDESTAL FOUNDATION (5' DEEP), WITH 5/8" x 15' GROUND ROD DRIVEN INTO SURROUNDING GROUND
14' PEDESTAL POLE, BASE, WIND COLLAR, AND

2-LED RRFBs - MOUNTED BACK-TO-BACK
2-W11-2 SIGN PANELS-POLE MOUNTED (ABOVE RRFB)
1-W16-7PL SIGN PANEL-POLE MOUNTED (BELOW RRFB)
1-W16-7PR SIGN PANEL-POLE MOUNTED (BELOW RRFB)
SOLAR PANEL (SIZED TO POWER RRFBs AND PUSH BUTTON), SOLAR OPERATION EQUIPMENT AND SUPPORT ASSEMBLY-MOUNTED ATOP SLIPFITTER COLLAR
NEMA FLASHER CABINET (WITH PUSH BUTTON ACTIVATION EQUIPMENT AND BATTERY) - MOUNTED ON SIDE OF POLE OPPOSITE OF TRAFFIC AND ABOVE W11-2 SIGNS
2" CONDUIT STUBBED OUT TO BOULEVARD (BOTH ENDS CAPPED-FOR FUTURE USE)
1" CONDUIT FROM PEDESTAL FOUNDATION TO PUSH BUTTON STATION (WITH PUSH BUTTON CABLE)

(2) F & I
APS PUSH BUTTON STATION (SEE DETAILS)
1-APS PUSH BUTTON AND R10-25 SIGN (MOUNTED ON CROSSWALK SIDE OF POLE)
1-R100-1 SIGN PANEL-MOUNT ABOVE R10-25 SIGN
EXTEND TO BASE 1:
1" CONDUIT
1-PB CABLE
1-1/C 6 (INS GR)

(3) F & I
MODIFIED PEDESTAL FOUNDATION (5' DEEP), WITH 5/8" x 15' GROUND ROD DRIVEN INTO SURROUNDING GROUND
14' PEDESTAL POLE, BASE, WIND COLLAR, AND SLIPFITTER COLLAR
2-LED RRFBs - MOUNTED BACK-TO-BACK
2-W11-2 SIGN PANELS-POLE MOUNTED (ABOVE RRFB)
1-W16-7PL SIGN PANEL-POLE MOUNTED (BELOW RRFB)
1-W16-7PR SIGN PANEL-POLE MOUNTED (BELOW RRFB)
1-APS PUSH BUTTON AND R10-25 SIGN (MOUNTED ON CROSSWALK SIDE OF POLE) WITH 3 PUSH BUTTON SPACERS
1-R100-1 SIGN PANEL - MOUNT ABOVE R10-25 SIGN
SOLAR PANEL (SIZED TO POWER RRFBs AND PUSH BUTTON), SOLAR OPERATION EQUIPMENT AND SUPPORT ASSEMBLY-MOUNTED ATOP SLIPFITTER COLLAR
NEMA FLASHER CABINET (WITH PUSH BUTTON ACTIVATION EQUIPMENT AND BATTERY) - MOUNTED ON SIDE OF POLE OPPOSITE OF TRAFFIC AND ABOVE W11-2 SIGNS
2" CONDUIT STUBBED OUT TO BOULEVARD (BOTH ENDS CAPPED-FOR FUTURE USE)

TRUNK HIGHWAY 23 AT BROADWAY AVENUE N

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: JOHN M GRAY, PE
Date 04/18/2023 License # 22457

STATE PROJECT NO. 0504-20	DRAWN BY J. GRAY
	DESIGNED BY J. GRAY
COUNTY PROJECT NO.	CHECKED BY J. GRIFFITH
CITY PROJECT NO.	COMM. NO. 0012657

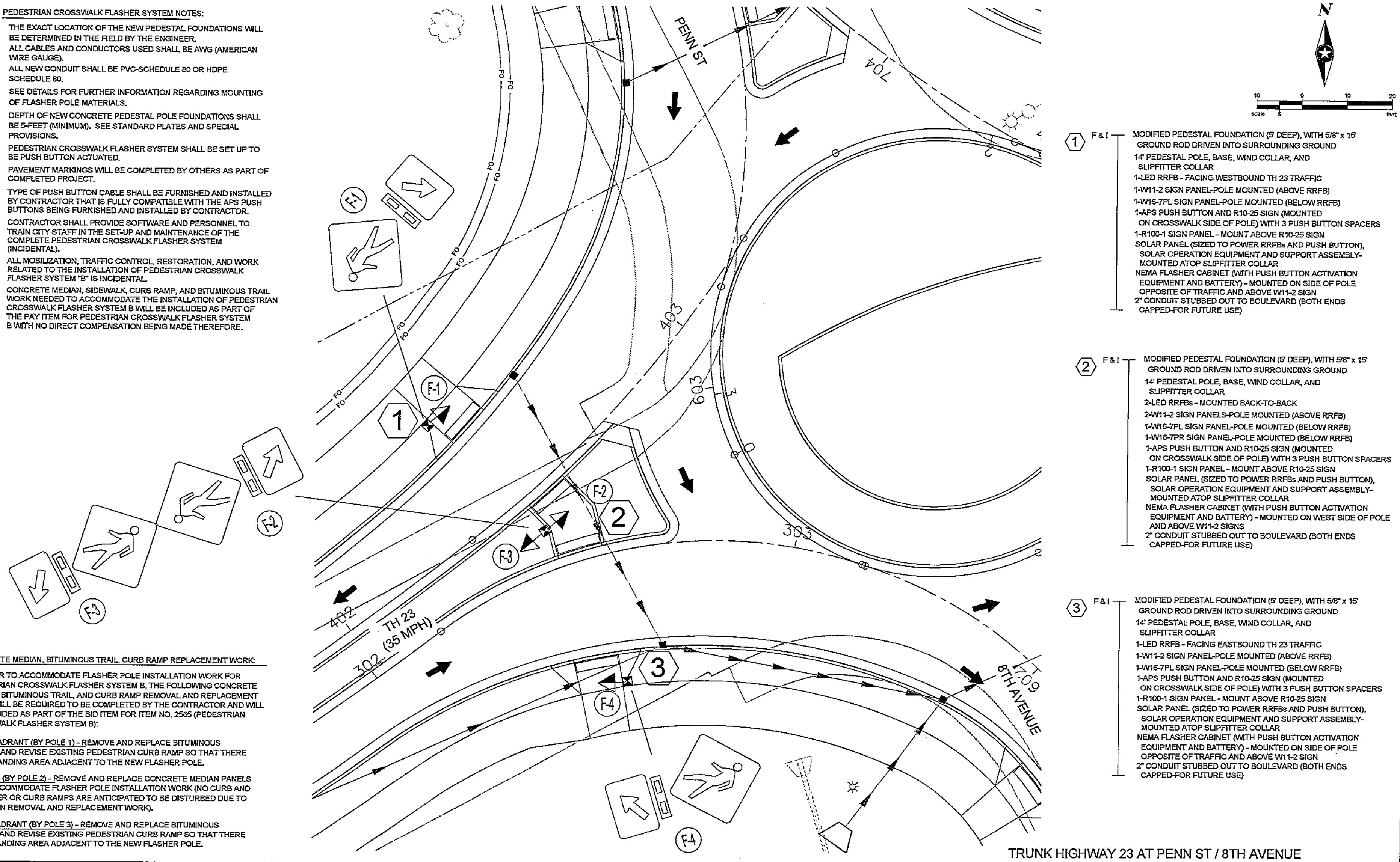
SEH

MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF FOLEY – UTILITY CONSTRUCTION PLANS
SP 0504-20 (TH 23)
PEDESTRIAN CROSSWALK FASHER SYSTEM "A"

SHEET SG3 OF SG4

PEDESTRIAN CROSSWALK FLASHER SYSTEM NOTES:

1) THE EXACT LOCATION OF THE NEW PEDESTAL FOUNDATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2) ALL CABLES AND CONDUCTORS USED SHALL BE AWG (AMERICAN WIRE GAUGE).
3) ALL NEW CONDUIT SHALL BE PVC-SCHEDULE 80 OR HDPE SCHEDULE 80.
4) SEE DETAILS FOR FURTHER INFORMATION REGARDING MOUNTING OF FLASHER POLE MATERIALS.
5) DEPTH OF NEW CONCRETE PEDESTAL POLE FOUNDATIONS SHALL BE 5-FEET (MINIMUM). SEE STANDARD PLATES AND SPECIAL PROVISIONS.
6) PEDESTRIAN CROSSWALK FLASHER SYSTEM SHALL BE SET UP TO BE PUSH BUTTON ACTUATED.
7) PAVEMENT MARKINGS WILL BE COMPLETED BY OTHERS AS PART OF COMPLETED PROJECT.
8) TYPE OF PUSH BUTTON CABLE SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR THAT IS FULLY COMPATIBLE WITH THE APS PUSH BUTTONS BEING FURNISHED AND INSTALLED BY CONTRACTOR.
9) CONTRACTOR SHALL PROVIDE SOFTWARE AND PERSONNEL TO TRAIN CITY STAFF IN THE SET-UP AND MAINTENANCE OF THE COMPLETE PEDESTRIAN CROSSWALK FLASHER SYSTEM (INCIDENTAL).
10) ALL MOBILIZATION, TRAFFIC CONTROL, RESTORATION, AND WORK RELATED TO THE INSTALLATION OF PEDESTRIAN CROSSWALK FLASHER SYSTEM "B" IS INCIDENTAL.
11) CONCRETE MEDIAN, SIDEWALK, CURB RAMP, AND BITUMINOUS TRAIL WORK NEEDED TO ACCOMMODATE THE INSTALLATION OF PEDESTRIAN CROSSWALK FLASHER SYSTEM B WILL BE INCLUDED AS PART OF THE PAY ITEM FOR PEDESTRIAN CROSSWALK FLASHER SYSTEM B WITH NO DIRECT COMPENSATION BEING MADE THEREFORE.



CONCRETE MEDIAN, BITUMINOUS TRAIL, CURB RAMP REPLACEMENT WORK:

IN ORDER TO ACCOMMODATE FLASHER POLE INSTALLATION WORK FOR PEDESTRIAN CROSSWALK FLASHER SYSTEM B, THE FOLLOWING CONCRETE MEDIAN, BITUMINOUS TRAIL, AND CURB RAMP REMOVAL AND REPLACEMENT WORK WILL BE REQUIRED TO BE COMPLETED BY THE CONTRACTOR AND WILL BE INCLUDED AS PART OF THE BID ITEM FOR ITEM NO. 2565 (PEDESTRIAN CROSSWALK FLASHER SYSTEM B):

- NW QUADRANT (BY POLE 1) - REMOVE AND REPLACE BITUMINOUS TRAIL AND REVISE EXISTING PEDESTRIAN CURB RAMP SO THAT THERE IS A LANDING AREA ADJACENT TO THE NEW FLASHER POLE.
- MEDIAN (BY POLE 2) - REMOVE AND REPLACE CONCRETE MEDIAN PANELS TO ACCOMMODATE FLASHER POLE INSTALLATION WORK (NO CURB AND GUTTER OR CURB RAMPS ARE ANTICIPATED TO BE DISTURBED DUE TO MEDIAN REMOVAL AND REPLACEMENT WORK).
- SW QUADRANT (BY POLE 3) - REMOVE AND REPLACE BITUMINOUS TRAIL AND REVISE EXISTING PEDESTRIAN CURB RAMP SO THAT THERE IS A LANDING AREA ADJACENT TO THE NEW FLASHER POLE.

(1) F & I
- MODIFIED PEDESTAL FOUNDATION (5' DEEP), WITH 5/8" x 15' GROUND ROD DRIVEN INTO SURROUNDING GROUND
- 14' PEDESTAL POLE, BASE, WIND COLLAR, AND SLIPFITTER COLLAR
- 1-LED RRFB - FACING WESTBOUND TH 23 TRAFFIC
- 1-W11-2 SIGN PANEL-POLE MOUNTED (ABOVE RRFB)
- 1-W16-7PL SIGN PANEL-POLE MOUNTED (BELOW RRFB)
- 1-APS PUSH BUTTON AND R10-25 SIGN (MOUNTED ON CROSSWALK SIDE OF POLE) WITH 3 PUSH BUTTON SPACERS
- 1-R100-1 SIGN PANEL - MOUNT ABOVE R10-25 SIGN
- SOLAR PANEL (SIZED TO POWER RRFBs AND PUSH BUTTON), SOLAR OPERATION EQUIPMENT AND SUPPORT ASSEMBLY-MOUNTED ATOP SLIPFITTER COLLAR
- NEMA FLASHER CABINET (WITH PUSH BUTTON ACTIVATION EQUIPMENT AND BATTERY) - MOUNTED ON SIDE OF POLE OPPOSITE OF TRAFFIC AND ABOVE W11-2 SIGN
- 2" CONDUIT STUBBED OUT TO BOULEVARD (BOTH ENDS CAPPED-FOR FUTURE USE)

(2) F & I
- MODIFIED PEDESTAL FOUNDATION (5' DEEP), WITH 5/8" x 15' GROUND ROD DRIVEN INTO SURROUNDING GROUND
- 14' PEDESTAL POLE, BASE, WIND COLLAR, AND SLIPFITTER COLLAR
- 2-LED RRFBs - MOUNTED BACK-TO-BACK
- 2-W11-2 SIGN PANELS-POLE MOUNTED (ABOVE RRFB)
- 1-W16-7PL SIGN PANEL-POLE MOUNTED (BELOW RRFB)
- 1-W16-7PR SIGN PANEL-POLE MOUNTED (BELOW RRFB)
- 1-APS PUSH BUTTON AND R10-25 SIGN (MOUNTED ON CROSSWALK SIDE OF POLE) WITH 3 PUSH BUTTON SPACERS
- 1-R100-1 SIGN PANEL - MOUNT ABOVE R10-25 SIGN
- SOLAR PANEL (SIZED TO POWER RRFBs AND PUSH BUTTON), SOLAR OPERATION EQUIPMENT AND SUPPORT ASSEMBLY-MOUNTED ATOP SLIPFITTER COLLAR
- NEMA FLASHER CABINET (WITH PUSH BUTTON ACTIVATION EQUIPMENT AND BATTERY) - MOUNTED ON WEST SIDE OF POLE AND ABOVE W11-2 SIGNS
- 2" CONDUIT STUBBED OUT TO BOULEVARD (BOTH ENDS CAPPED-FOR FUTURE USE)

(3) F & I
- MODIFIED PEDESTAL FOUNDATION (5' DEEP), WITH 5/8" x 15' GROUND ROD DRIVEN INTO SURROUNDING GROUND
- 14' PEDESTAL POLE, BASE, WIND COLLAR, AND SLIPFITTER COLLAR
- 1-LED RRFB - FACING EASTBOUND TH 23 TRAFFIC
- 1-W11-2 SIGN PANEL-POLE MOUNTED (ABOVE RRFB)
- 1-W16-7PL SIGN PANEL-POLE MOUNTED (BELOW RRFB)
- 1-APS PUSH BUTTON AND R10-25 SIGN (MOUNTED ON CROSSWALK SIDE OF POLE) WITH 3 PUSH BUTTON SPACERS
- 1-R100-1 SIGN PANEL - MOUNT ABOVE R10-25 SIGN
- SOLAR PANEL (SIZED TO POWER RRFBs AND PUSH BUTTON), SOLAR OPERATION EQUIPMENT AND SUPPORT ASSEMBLY-MOUNTED ATOP SLIPFITTER COLLAR
- NEMA FLASHER CABINET (WITH PUSH BUTTON ACTIVATION EQUIPMENT AND BATTERY) - MOUNTED ON SIDE OF POLE OPPOSITE OF TRAFFIC AND ABOVE W11-2 SIGN
- 2" CONDUIT STUBBED OUT TO BOULEVARD (BOTH ENDS CAPPED-FOR FUTURE USE)

TRUNK HIGHWAY 23 AT PENN ST / 8TH AVENUE

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: JOHN M GRAY, PE
Date 04/18/2023 License # 22457

STATE PROJECT NO. 0504-20	DRAWN BY J. GRAY
COUNTY PROJECT NO.	DESIGNED BY J. GRAY
CITY PROJECT NO.	CHECKED BY J. GRIFFITH
	COMM. NO. 0012657

SEH

MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF FOLEY – UTILITY CONSTRUCTION PLANS
SP 0504–20 (TH 23)
PEDESTRIAN CROSSWALK FLASHER SYSTEM "B"

SHEET SG4 OF SG4

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PEDESTRIAN CROSSWALK FLASHER SYSTEMS
TH 23 AT BROADWAY AVE, PENN ST/8TH AVE
STATE PROJECT NO. 0504-20

INDEX TO DIVISION SS

I hereby certify that the Special Provisions for flasher system construction contained in this proposal were prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

John M. Gray, PE

Lic. No. 22457 Date: April 18, 2023

DIVISION SS
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DIVISION SS

SS-1. (1802) QUALIFICATION OF WORKERS

The provisions of MnDOT 1802 are hereby supplemented with MnDOT 2545.1B and the following:

Certified Contractor personnel shall be on the Project work site at all times to perform or directly supervise the installation of each Pedestrian Crosswalk Flasher System.

SS-2. (2565) PEDESTRIAN CROSSWALK FLASHER SYSTEMS

This work consists of the following:

A. Providing, installing, and making operational materials and electrical equipment as specified herein, all for two (2) complete operating new push button activated and solar powered Pedestrian Crosswalk Flasher Systems, at the following intersections:

- At the intersection of Trunk Highway 23 and Broadway Avenue North (System A), and
- At the intersection of Trunk Highway 23 and Penn Street/8th Avenue (west leg of roundabout) (System B)

all in the City of Foley, Benton County, in accordance with the Minnesota Department of Transportation "*Standard Specifications for Construction, 2020 Edition*" and the "*Supplemental Specifications*" dated September 2022, with the application provisions of MnDOT 2564 and MnDOT 2565; with the current edition of the National Electrical Code; with the Plans; and as follows:

SS-2.1 GENERAL

A. Shop Drawings

PROVIDE SHOP DETAIL DRAWINGS FOR MATERIALS AND ELECTRICAL EQUIPMENT AS SPECIFIED IN THE CONTRACT DOCUMENTS.

B. Abbreviations

Contract documents using the acronym RSC are referring to rigid metal conduit (RMC) of steel construction.

C. Build America Buy America

Use construction materials, and domestically manufactured products that are composed predominately of steel, iron, or both, for the permanent installation of MnDOT electrical systems, in accordance with MnDOT Division S Special Provisions *(1601) SOURCE OF SUPPLY AND QUALITY* requirements.

3803.2A
Delete paragraph (1) and replace it with the following:

(1) NRTL listed meeting UL 651, "Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings".

3803.2B
Delete paragraph (1).

Delete paragraph (2) and replace it with the following:

NRTL listed meeting UL 651A, "Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit".

D. Warranty

Warrant and guarantee satisfactory in-service operation of all materials and electrical equipment of each Pedestrian Crosswalk Flasher System installation in accordance with MnDOT 2565.3A7, except that the period of in-service warranty is **three (3) years** beginning with the acceptance of each Pedestrian Crosswalk Flasher System by the Engineer. With regards to the required warranty, the following shall be noted and addressed with the bid for this work:

1. Definitions and Terms:

   a. **Final Construction Acceptance (FCA)** – the date when the warranted pedestrian crosswalk flasher system construction is complete, each system is made operational, and all required punch list work on each system has been addressed and accepted by the Engineer. This date constitutes the start of the warranty period.

   b. **Warranty Bond** – a surety that guarantees that the warranty requirements are met.

   c. **Warranty Limits** – the warranty shall include the RRFBs, APS flasher cabinets, APS push button units and APS cabinet electrical equipment, flasher system pedestal poles and bases, solar equipment and batteries, all static flasher pole mounted signs, and all system cables and conductors.

      All other flasher and sign system components (conduit, foundations, etc.) shall be covered under the standard one-year warranty as per MnDOT 2565.3A7.

   d. **Warranty Period** – the Warranty Period shall be three (3) years starting at the FCA.

   e. **Warranty Work** – corrective actions taken to bring the warranted work into Contract compliance for release of the warranty bond.

2. Warranty Bond:

Furnish a single-term warranty bond in the amount of $50,000 for the warranted pedestrian

crosswalk flasher system components. Furnish the bond to the City of Foley at the same time as the other Contract Bonds specified in MnDOT 1305. The effective starting date of the warranty bond must be the FCA. The warranty bond will be released at the end of the Warranty Period or after all warranty work has been completed, whichever is last. The form of the warranty bond shall be acceptable to the Contracting Authority.

3. End of Warranty Period Inspection:

   At the end of the warranty period, the Engineer will inspect each complete pedestrian crosswalk flasher system to confirm that these system components are fully operational and in acceptable condition. The Contractor or their designated representative may be present during the end of warranty period inspection.

4. Corrective Action Requirements:

   If any of the flasher system components listed above are found to be in-operational due to normal system operation or in poor condition due to normal conditions, corrective action (warranty work) may be required. The City of Foley may, at their option, require corrective actions at any time within the warranty period, or defer corrective action until the end of the initial warranty period.

   For all corrective actions required, the Contractor shall provide a written proposal for correcting the defects within ten (10) days of being notified that corrective action is required. The City of Foley shall respond as to the adequacy and suitability of the proposal within ten (10) days or the date of the Contractor's submittal.

   The proposal shall include, as a minimum:

   - The proposed construction remedy.
   - The proposed schedule for prosecution and completion of the work.
   - The proposed traffic management plan.

   The Contractor is responsible for obtaining all necessary permits to complete the corrective action work.

   In the event that the Contractor causes additional distress to the surrounding surfaces (sidewalks, roadway surfacing, etc.) during corrective action operations, these repairs will be required in accordance with current City standards, at no cost to the City of Foley.

   During the warranty period, the Contractor will not be held responsible for distresses that are caused by misuse, negligence, or accident that are not the fault of the Contractor. Upon written request from the Contractor and on a case-by-case basis, the City of Foley will consider other factors that appear to be beyond the control of the Contractor.

   The Contractor shall commence corrective action work within fifteen (15) Calendar Days after

notice by the City of Foley of acceptance of the written plan for warranty correction. If the work cannot be started then because of seasonal limitations, the Contractor must so notify the City of Foley and submit (for City approval) a schedule for completion of the corrective action work. Failure by the Contractor to respond to the City of Foley or undertake corrective action within the specified period of time will be cause for the City of Foley to undertake the corrective action work itself and recover the costs of such work from the warranty bond.

If the Engineer determines that emergency repairs are necessary for public safety, the City of Foley may perform the repair action. The City of Foley, or their representative, will authorize emergency repairs. Prior to emergency repairs, the City will document the basis for the emergency action, and will preserve evidence, such as photographs or video, of the defective condition. Emergency repairs will be coordinated with the Contractor when possible. Emergency repairs that are warranty work (Contractor's responsibility) will be charged to the Contractor.

All costs associated with warranty repair work will be the responsibility of the Contractor, with no compensation from the City of Foley. These costs include, but are not limited to, mobilization, labor, materials, traffic control, miscellaneous clean-up, turf establishment of disturbed areas, etc.

5. Acceptance:

The City of Foley and the Contractor must joint review all completed warranty work or a portion thereof, as determined by the Engineer. If the work does not meet the Contract requirements, the Contractor must make all necessary corrections at their own expense prior to acceptance. Acceptance will occur as soon as the City of Foley determines that the Contract requirements have been met for the warranty work. The date on which acceptance occurs is termed Final Warranty Acceptance (FWA).

Neither the FCE nor any prior inspection, acceptance, or approval by the City of Foley diminishes the Contractor's responsibility under this warranty.

Both the FCA and FWA will be documented in writing and executed jointly by the City of Foley and the Contractor. The City will send a copy of these documents to the Contractor's warranty bond surety agent upon completion of the Warranty Period.

All warranty requirements are incidental to each Pedestrian Crosswalk Flasher System pay item (Item No. 2565).

E. Miscellaneous

Location of foundations and other flasher system components are shown in the Plans in their approximate location and will be determined in the field by the Engineer prior to installation.

Perform construction operations in the proximity of utility properties in accordance with the

provisions of MnDOT 1507, except the first paragraph is hereby deleted and the following substituted therefore:

> It is the Contractor's own responsibility, prior to commencing work, to secure information and determine the exact location of any buried utility facilities as may exist, and to conduct operations in the vicinity of any such facilities in a manner that precludes damage thereto. The Contractor agrees to be fully responsible for any and all damages that might be occasioned by failure to exactly locate and preserve any and all underground utilities.

Consider excavations, backfilling, removals, and disposition thereof, and surface restoration as incidental work, and no direct compensation will be made therefore.

Contractor responsibilities as part of making each new flasher system operational (incidental to project) shall include the following work items:

- Providing and installing any necessary panels, jumpers, terminal blocks, or harnesses in the control cabinets, and at each pedestal pole;
- Testing the operation of each complete flasher system in the presence of the Engineer and City of Foley personnel (and also MnDOT District 3 traffic office personnel), prior to acceptance of this work by the City;
- Completing all connections and jumper wiring at all applicable locations;
- Verifying that each new flasher system is operational to the satisfaction of the Engineer; and
- Labeling all applicable cables, conductors, racks, etc. as applicable using a permanent labeling device (handwriting of labels is NOT acceptable).

SS-2.2 MATERIALS

A. Virgin Granular and Aggregate Material

Provide Virgin Granular and Aggregate Material for subbase and backfill in accordance with MnDOT 3138.2B "Virgin Materials", MnDOT 3149.2A.1 "Virgin Materials" and the following.

Backfill for Foundations
Provide excavation and backfill in accordance with MnDOT 2565.3C "Excavation and Backfill" and the following.

> When required in Contract Documents or as directed by the Engineer to use a Granular or Aggregate Material in accordance with MnDOT 3138 "Aggregate for Surface and Base Courses" or MnDOT 3149 "Granular Materials" to backfill around foundations, provide Virgin Material as specified. Do not use Recycled Material.

B. Painting

Do not paint flasher poles, bases, flasher pole bracketing and hardware, push button housings, or cabinets (leave in their galvanized and/or unpainted condition).

C. Pole Base Wiring

Provide new cables and conductors from each control cabinet directly to the APS push buttons, solar panels, and RRFBs (**no splicing of these cables and conductors will be allowed between the control cabinet and each electrical unit**).

D. Accessible Pedestrian Signals (APS) – (Audible Pedestrian Push Button Units and Associated Traffic Signal Cabinet Equipment)

Provide Accessible Pedestrian Signals in accordance with MnDOT 3833 and as follows:

The APS manufacturer must provide the required voice messages in each button as defined below. Additionally the APS manufacturer must supply backup copies of the voice messages to the City of Foley on one of the following media types:

Compact Disk
USB flash drive.

Provide all required Accessible Pedestrian Signals (APS) cabinet components, and install and make operational in each Contractor provided control cabinet. Size flasher system control cabinets to accommodate all internal APS cabinet components.

Present the order form below to the Accessible Pedestrian Signal (APS) manufacturer so the appropriate Braille message is added to the pedestrian information sign and the correct voice messages are programmed in the pedestrian push buttons.

Accessible Pedestrian Signal (APS)
ORDER FORM

Intersection: Trunk Highway 23 at Broadway Avenue North

Total Qty of Pedestrian Push Buttons — **Qty = 2**

Control Board: One needed for each cabinet — **Qty** = 1

CCU (Central Control Unit): One needed for each cabinet — **Qty** = 1

CONFIG (Configurator): One needed for intersection — **Qty** = 1

Push Button and Sign Braille Information

Button	Arrow Direction R/L	Button	Street Name (Street Being Crossed)
PB1-1	**Left**	PB1-1	**Highway 23**
PB1-2	**Right**	PB1-2	**Highway 23**

Custom Voice Message Details

Each APS push button unit shall be programmed with a locator tone that will sound until the button is pushed. No "Wait" message shall be programmed into the APS push button units.

Each APS push button unit shall be programmed to say "Flashing Lights are On" or "Warning Lights are Flashing" when LED signs begin flashing. This message shall be programmed to remain on for the period of time that it takes to cross the complete crosswalk using a walking speed of 3.0 feet per second to cross from push button location to push button location.

Minimum flash time shall be set at 30 seconds per push button activation.

Accessible Pedestrian Signal (APS)
ORDER FORM

Intersection: Trunk Highway 23 at Penn Street / 8th Avenue

Total Qty of Pedestrian Push Buttons **Qty = 3**

Control Board: One needed for each cabinet **Qty** = 1

CCU (Central Control Unit): One needed for each cabinet **Qty** = 1

CONFIG (Configurator): One needed for intersection **Qty** = 1

Push Button and Sign Braille Information

Button	Arrow Direction R/L	Button	Street Name (Street Being Crossed)
PB1-1	**Left**	PB1-1	**Highway 23**
PB1-2	**Double**	PB1-2	**Highway 23**
PB1-3	**Left**	PB1-3	**Highway 23**

Custom Voice Message Details

Each APS push button unit shall be programmed with a locator tone that will sound until the button is pushed. No "Wait" message shall be programmed into the APS push button units.

Each APS push button unit shall be programmed to say "Flashing Lights are On" or "Warning Lights are Flashing" when LED signs begin flashing. This message shall be programmed to remain on for the period of time that it takes to cross the complete crosswalk using a walking speed of 3.0 feet per second to cross from push button location to push button location.

Minimum flash time shall be set at 30 seconds per push button activation.

E. Accessible Pedestrian Signal (APS) Pole Mounting Adaptor

Provide and install pedestal pole mounting spacers ON EACH FLASHER POLE, as specified herein.

The work consists of providing and installing mounting hardware including APS pole mounting spacers and mounting hardware, and all work and materials necessary to integrate the components into a complete APS pushbutton with an APS pole mounting adaptor.

City approved Accessible Pedestrian Signal (APS) Push Button Mounting Spacers are listed on the MnDOT Approved/Qualified Products Lists WEB site for Signals:

http://www.dot.state.mn.us/products/index.html

All bolts and washers must be stainless steel.

F. (2564) Traffic Signs and Devices

Provide new standard Type C sign panels on the pedestal poles, as shown in the Plans.

Fabricate new Type C sign panels in accordance with MnDOT 2564, the MnDOT Standard Signs and Markings Manual, and as detailed in the Plans.

G. Flasher Control Cabinets Complete with Control Equipment

Provide, install, and make operational five (5) new pedestal pole mounted cabinets, each complete with control equipment as noted in the Plans and as follows.

It is the intent of these specifications to describe control and cabinet equipment in sufficient detail to secure bids on comparable equipment. All parts not specifically mentioned, which are necessary in order to provide five (5) complete units, one at each flasher pole installation, must be included in the bid and conform in strength, quality of material, and workmanship to what is usually provided the trade in general.

Any units not conforming sufficiently to these specifications as outlined below may be rejected, and it will be the responsibility of the Contractor to conform to the requirements unless deviations have been cited in the bid and acceptance made on that basis.

Any additions, deletions, or variations from the following specifications must be stated. Reason for variations and deviations must also be stated. These specifications shall be construed as minimum. Should the manufacturer's current published data or specifications exceed these, they shall provide evidence upon request that the models to be provided have been commercially available to the trade for a period of not less than one year. Specifications also require that the Contractor provide descriptive literature, if available, complete specifications, and all other

necessary data on the equipment Contractor proposes to provide. The Contractor shall also provide a copy of the conditions of vendor's warranty.

Each cabinet is to be the manufacturer's latest model and design.

Cabinet:

Provide and install the following materials and electrical equipment:

1. Five (5) UL listed pedestal pole mounted flasher system control cabinets, each complete with actuated controller unit and all required flasher system control equipment.

   Each flasher system controller cabinet MUST be UL listed and this must be noted on shop drawings to be reviewed by the Engineer for the complete project. Cabinets that are not UL listed will be rejected and the Contractor will be responsible for providing a UL listed cabinet at no additional cost to the Owner.

2. All required mounting hardware necessary to securely mount each flasher system control cabinet to each pedestal pole, to the satisfaction of the Engineer.

   Secure each cabinet in an upright position when transporting to the job site to ensure that the cabinets will not tip and be damaged.

Solid State Load Switches:

Provide all required new solid state load switches needed to operate the full pedestrian actuated crosswalk flasher system (including one spare solid state load switch in each cabinet, to be left in each control cabinet for future maintenance and operation by the City).

Controller Units:

Provide and install five (5) new controller units, one in each flasher system control cabinet that is fully compatible with the solar panels, RRFBs and APS push buttons.

Provide each new controller unit with all required harnesses, connectors and equipment required for operation of the solar panels, RRFBs and the APS system, and other items as required for complete controller operation. Control equipment must be capable of both push button and time clock activation.

Fuse Panels:

Wire each fuse panel and terminate the field leads on the fuse panel in accordance with all current State standards and requirements. Coordinate with the Engineer for required wiring and terminations to be completed in each new control cabinet to meet State standards and requirements.

Set-up, Testing, and Installation:

Test the flasher system controllers and cabinets and all control cabinet equipment for a period of at least seven (7) business days to ensure that all internal cabinet components are fully operational to the satisfaction of the Engineer. Install the tested flasher system cabinets each complete with controller unit and all required flasher system control equipment described above; provide and install all additional materials and electrical equipment to provide a complete operating flasher system cabinet installation; and make all field lead connections in each flasher system cabinet as directed by the Engineer to make each new flasher system operational.

Provide experienced personnel (at no cost to the City) in order to assist with set up, testing, installation and making operational each new flasher system controller and cabinet and each new flasher system (including solar panels, RRFBs, APS push buttons, and all other components of the complete flasher system). Have experienced personnel on hand during flasher system turn on to assist with all work needed to make each new flasher system operational in the presence of the Engineer (incidental).

Provide experienced personnel (at no cost to the City) in order to train City staff regarding the operation and maintenance of each flasher system controller and cabinet and each complete flasher system so that the City is able to take over the operation of the completed flasher systems after completion of all work on each system (incidental). Assume a minimum of two (2) hours on site to train City staff regarding maintenance and operation of the complete systems.

Cabinet-Wiring Diagram and Service Manuals:

Provide cabinet wiring diagrams and service manuals for use in setting-up and testing of the flasher system controller cabinets by the Contractor and their experienced representative. Provide a detailed parts list (with all model numbers) for all flasher system cabinet components, for use by City staff in the future maintenance of these items.

Miscellaneous:

Timing will be provided by the Engineer to the Contractor, for the Contractor to install in the flasher system controller units and for the Contractor to make the Contractor provided controllers and cabinets fully operational. Contractor shall program the flasher system controller units in the presence of City staff to show City staff how to program these components in the future (incidental).

Contractor responsibilities as part of making each new flasher system controller and cabinet operational (incidental) also includes the following work items:

- Providing and installing any necessary panels, jumpers, or harnesses in the flasher system cabinets to make the solar panels, RRFBs and APS system operational;
- Testing the operation of each flasher system and APS system in the presence of City (and State) personnel prior to acceptance of this work by the City;

- Completing all connections and jumper wiring in the flasher system cabinets;
- Verifying that all flasher system equipment is operational to the satisfaction of the Engineer;
- Completing all labeling of cables at all terminal strips as directed by the Engineer, and
- Labeling all applicable cables, conductors, racks, etc. as necessary using a permanent labeling device (handwriting of labels is NOT acceptable).

Warranty:

Warrant each new flasher system controller unit and internal cabinet equipment by the manufacturer against mechanical and electrical defects for a period of 3 years from date of flasher system acceptance. Supply the manufacturer's warranty in writing with the controller and cabinet equipment. Second party extended warranties are not acceptable.

Warrant the new cabinet assemblies and all other components for a period of three (3) years from date of flasher system acceptance.

Any defects shall be corrected by the manufacturer or supplier at no cost to the City.

Providing, installing, and making operational five (5) new flasher system cabinets each complete with all cabinet equipment as described above will be included as part of the pay item for each Pedestrian Crosswalk Flasher System with no direct compensation being made therefore.

H. Pedestal Poles and Foundations

Provide 4-inch diameter straight pedestal poles and pedestal bases meeting the following requirements. Ensure the following requirements are met to properly install pedestal poles into the pedestal bases in accordance with "Installation of Pedestal Poles and Bases" as specified in the Construction Requirements section of these Special Provisions.

Pedestal Poles (Shafts)
Provide aluminum pedestal poles for RRFBs and signing meeting the required height as shown on the Plans with a maximum pole shaft height of 14 feet and the following:

(1) 6061-T6 or 6063 T6 Alloy
(2) Schedule 80
(3) Natural spun finish
(4) NPT tapered threads ANSI/ASME B1.20.1
(5) Minimum 2 inches and maximum 2 ½ inches of thread length on one end to screw into the top of the pedestal base
(6) Nominal or trade size of 4 inches (4 ½ inch OD)

Ensure the thread length is met to properly install pedestal poles into the pedestal bases in accordance with "Installation of Pedestrian Head Pedestal Poles and Bases" as specified in the Construction Requirements section of these Special Provisions

Pedestal Bases
Provide pedestal bases for 4-inch diameter shaft listed on MnDOT's APL for Signals.

http://www.dot.state.mn.us/products/index.html

Provide and install shims provided and recommended by the pedestal base manufacturer. Ensure the shims are sized to accommodate the required 1 inch diameter foundation anchor rods. If the pedestal base manufacturer does provide shims, then furnish and install shims in accordance with Shim and Washer MnDOT Standard Plate No. 8129.

Install shims in accordance with "Installation of Pedestrian Head Pedestal Poles and Bases" as specified in the Construction Requirements section of these Special Provisions.

Pedestal Pole Locknuts
Provide 3003 aluminum conduit locknuts sized for 4- inch straight pedestal pole shaft (4- ½ OD) NPT threads to prevent the pole from turning inside the pedestal base instead of the pedestal base set screws and thru-bolts. Install the locknuts in accordance with Installation of Pedestal Poles and Pedestal Bases in the Construction Requirements section of these Special Provisions

Pedestal Foundations (Straight Shaft and Pedestal Base)
Provide foundations for the 4-inch diameter straight pedestal poles and pedestal bases in accordance with Pedestal Foundation MnDOT Standard Plate No. 8112, except construct foundations with a 13 inch bolt circle using 1 inch diameter anchor rods Type B in accordance with MnDOT Spec. 3385, a minimum 3 inch to a maximum 4 inch anchor rod projection.

Install foundations as specified in the Construction section of these Special Provisions, "Installation of Pedestal Foundations".

Pedestal pole foundations shall also be constructed to be 60 inches (5 feet) below ground line as noted in the Plans.

Hardware for Pedestal Foundations
Note 2 and the Anchor Rod Detail on Pedestal Foundation MnDOT Standard Plate No. 8112 are replaced with the following:

Provide four 1 inch diameter Type B anchors and nuts in accordance with MnDOT Spec. 3385 per foundation. Provide a 2 ½ inch OD x 1-1/16 ID x 1/4 inch or 3/8 inch thick 1018 or 1020 galvanized steel washer for each anchor rod.

Additional Foundation Information
The concrete for all foundations shall be mix number 3G52 free of chloride additives conforming to MNDOT Specification 2461. Concrete shall be placed and consolidated using vibratory equipment and be finished smooth, flat and level in accordance with MnDOT 2565.3F. Concrete shall be allowed to cure for a minimum of seven (7) days before being placed into use unless otherwise permitted by the Engineer.

An approved form shall be provided and placed for the foundation to ensure a good symmetrical

top. Excavations for the concrete foundations shall be made to the exact dimensions of the foundation so that no backfilling will be required. If the soil conditions are such that the above provisions cannot be met, the Engineer shall be contacted

I. Blank

J. Anchor Rods

Provide anchor rods in accordance with MnDOT 3385 "Anchor Rods", except provide rods with both the supplementary requirement S3 for permanent marking and color-coding on the end of the rod with the grade identification.

K. Rapid Rectangular Flashing Beacons (RRFBs)

Provide, install, and make operational new rectangular rapid flashing beacons (RRFB) at the locations shown in the Plans and as hereinafter provided.

New RRFBs must meet the latest requirements of US Department of Transportation for rectangular rapid flashing beacons. In addition, RRFB's used on project must be fully compliant with FHWA standards.

Power for RRFB's and each complete Pedestrian Crosswalk Flasher System will be **solar powered.**

RRFB's must remain dark until actuated by a pole mounted APS push button.

Required characteristics of each new RRFB are as follows:

- Daytime distance visibility greater than 1,000 feet and night distance visibility greater than 1 mile where clear sight distance is available.
- Flash patterns to be the standard RRFB pattern in compliance with FHWA standards.
- Have polycarbonate lenses (long lasting and durable).
- Light emitting area and LED module dimensions exceeding FHWA standards.
- Fabricate RRFB housings of aluminum. Housing color shall be black. LED arrays must be minimum of 2 inches in height within the RRFB housing.
- Install two indications on one complete housing assembly facing in the direction of approaching vehicular traffic. Align the two indications horizontally, with the longer dimension of the indication horizontal.

- The RRFB bars must be able to be independently aimed and mounted for directional rotation to optimize performance of the primary light bars toward oncoming traffic at curves and corners.

- The outside edges of the two indications, including any housing, must not protrude beyond the outside edges of the integral signage of the assembly on each pedestal pole.

- All exposed hardware must be anti-vandal and be black in color.

- Provide each complete new RRFB with a minimum 3-year manufacturer's warranty beginning when each RRFB is placed into operation.

- Each RRFB must be fully compatible with corresponding cabinet enclosure and cabinet equipment to be provided, installed, and made operational by the Contractor as part of each complete Pedestrian Crosswalk Flasher System.

To operate all of the RRFBs, provide, install, and make operational all internal cabinet equipment necessary to operate each complete Pedestrian Crosswalk Flasher System via push button activation.

Provide all internal controller cabinet components for the RRFBs and the APS push buttons, including all required system control equipment, and any auxiliary equipment, wiring diagrams, and manuals as called for in the specifications, and complete all work necessary to make each RRFB fully operational.

Examine equipment and perform tests to insure that proper and sufficient equipment is provided as is required to complete the pedestrian crosswalk flasher system plan operation and sequence in compliance with the intent of the contract specifications.

Complete all testing and equipment examination in the presence of the Contractor's representative providing the equipment. Notify the Contractor's representative of any needed modifications or corrections to be accomplished by the Contractor.

Provide and install all other required terminal facilities and cabinet enclosure materials and electrical equipment needed to install and make operational each pedestrian push button and rectangular rapid flashing beacon in the Contractor provided cabinet enclosure.

The controller cabinet, solar panels, rectangular rapid flashing beacon system components, and APS push buttons shall be a fully compatible system.

Neatly fold and cap any cables, wires or circuits that are not being used, and neatly tie and stow away these wires in or on the terminal facilities.

Provide and install all mounting hardware. Securely mount each RRFB to each required surface.

Submit detailed shop drawings of the rectangular rapid flashing beacons to the Engineer for approval

prior to procurement of this equipment by the Contractor.

At the time of delivery, provide one set of instruction manuals and an itemized price list for each type of equipment, their subassemblies, and their replacement parts. Include the following information in each instruction book: a) table of contents, b) operating procedure, c) step-by-step maintenance and troubleshooting information for the entire assembly, d) circuit wiring diagrams, e) pictorial diagrams of parts locations, f) parts numbers, and g) theory of operation. Include itemized parts lists with the instructional manual. The itemized parts lists shall include the manufacturer's name and parts number for all components used in each piece of equipment. The list shall include cross references to parts numbers of other manufacturers who make the same replacement parts.

Certify that the equipment meets the required specification and supply a complete catalog description (provide the following documents):

1. A warranty statement which stipulates that equipment to be supplied shall be warranted for **three years** from the date of turn-on of each item.

2. Operations manual.

3. Maintenance manual.

4. Schematic diagrams.

L. Batteries and Solar Equipment

Battery:

a. Battery packs shall be 4.8 volt 14000mAH Nickel Metal Hydride (NiMH), fully compatible with the complete system.

b. All batteries shall be sealed in a plastic film to provide moisture and corrosion resistance.

c. All batteries shall be manufactured to operate over a temperature range of -40 degrees F to + 180 degrees F.

d. All battery connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 3 feet deep for 30 minutes. Connectors shall be Deutsch DTM series or approved equal.

Solar Panel:

a. All solar panels shall be sized appropriately for powering each flasher pole installation and provide peak total output sized for all climate and geographical locations.

b. All panels shall be mounted to an aluminum plate and bracket at an angle of 45 to 60 degrees to provide maximum output. Bracket shall be secured to a 2 3/8 inch aluminum tube. Note

that **COLLECTOR MUST FACE SOUTH UNLESS OTHERWISE DETERMINED IN THE FIELD BY THE ENGINEER.**

c. All fasteners used shall be anti-vandal.

d. Wire used shall conform to military specifications, MIL-W-16878D, Type D, vinyl nylon jacket.

e. The solar panel assembly shall be mounted as shown in the Plans and be fully self-contained onto a 2 3/8 inch round aluminum housing.

f. All solar panel connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 3 feet deep for 30 minutes. Connectors shall be Deutsch DTM series or approved equal.

SS-2.3 CONSTRUCTION REQUIREMENTS

A. Storing Materials

Store and handle materials in accordance with MnDOT 1606 "Storage of Materials", MnDOT 1607 "Handling Materials" and the manufacturer's requirements.

B. Installation of Flasher System Control Cabinets

Install the flasher system control cabinets, each complete with all required flashing beacon system control equipment.

Provide and install all additional materials and electrical equipment for a complete operating pedestrian crosswalk flasher system control cabinet installation (which includes, but not limited to:

1. Pedestal pole mounting hardware.
2. Bonding and grounding materials and connections.
3. Make all field conductor connections in each flashing beacon system control cabinet as directed by the Engineer to make the flasher system fully operational.

C. Conduit

Place conduit underground in accordance with MnDOT 2565.3D.2b "Underground".

All new PVC and HDPE conduit must have end bell bushings provided and installed on each conduit entering a pole base or cabinet.

Where conduits are required under existing sidewalk areas, place the conduit by **directional boring** or other method approved by the Engineer. Do not place conduits under existing sidewalks by trenching unless authorized in writing by the Engineer.

Provide and install duct seal or other Engineer approved material to seal all pole base and control

cabinet conduit entrances.

D. Installation of Pedestal Foundations

Provide pedestal foundations in accordance with the Materials section of these Special Provisions when required and install meeting the following.

Ensure foundations are installed flush with ground level or concrete sidewalk. Re-install foundations that are below ground level or sidewalk, or projecting above ground level or sidewalk to meet ADA and AASHTO Breakaway Support requirements.

The foundation depth at each installed pedestal pole location shall be a minimum of 60 inches below ground line.

E. Installation of Pedestal Poles and Bases

Install the 4-inch diameter straight pedestal poles and pedestal bases at locations shown on the Plans, in accordance with the Materials section of these Special Provisions, and meeting the following.

Before installing RRFBs, signs, solar panels, and pedestrian pushbuttons on poles, and before installing the pedestal bases on foundations, fully seat the NPT threads of the poles (shafts) into the threaded neck of the pedestal bases. Once the NPT threads of the pole are fully seated into the NPT threaded connection of the pedestal base, install the required aluminum conduit locknut on the protruding threads of the pole inside the base and tighten the locknut against the underside of the base to prevent the pole from turning instead of using set screws, thru-bolts, or additional hardware. Ensure the pole thread length is the required minimum 2 inches to maximum 2 ½ inches to install the conduit locknut as specified onto the protruding threads inside the base. Do not use the pedestal base set screws or install thru bolts to keep the pole from turning inside the threaded connection of the base. Do not drill holes in the neck of the pedestal base and add hardware to prevent the pole from turning.

Once the structure is installed on the foundation then install the RRFBs, signs, solar panels, and pushbuttons and ensure alignment of the components in relation to the intersection before final fastening to the pole. After installing components on the pole, do not align the RRFBs and pushbuttons to the intersection by using the threaded connection of pedestal base to turn the pole.

Install pole bases onto the foundations as instructed by the base manufacturer. Ensure the pole bases are level on foundations and the poles are plumb. Use the required shims to level the bases on the foundations. Do not use washers, spacers, or nuts for leveling. If more than three shims are used per base corner or more than six shims total are used per base to plumb the pole, then reinstall the foundations level and plumb in accordance with Contract Documents.

Fasten the pole bases to foundation anchorages using the required washers specified in the Materials section of these Special Provisions. Tighten anchor rods in accordance with "Single Nut Connection Installation for Traffic Signal Structures" in the Construction section of these Special Provisions.

F. As-Builts

Provide to the Engineer one (1) electronic set of "as-built Plans" (for each flasher system) that contain any **changes** in the following:

- pole locations
- conduit sizes or conduit runs
- types of foundations
- flasher bracketing or flasher mounts
- wiring and cable path
- other items as required by the Engineer.

Any discrepancy or additions between the final plans and how each flasher system was actually built **must be indicated** on the "as-built plans."

The "as-built Plans" shall be in a form that is satisfactory to the Engineer. Providing As-Built plans shall be considered incidental.

G. Concrete Median, Concrete Walk, and Bituminous Trail Removal and Replacement

At Flasher Systems A and B, saw-cut, remove and dispose of existing concrete median, concrete sidewalk, and bituminous trail (where noted for flasher pole installation work) in accordance with MnDOT 2104. Note that no existing concrete curb and gutter are anticipated to be required to be disturbed by the Contractor as part of concrete median, concrete walk, and bituminous trail removal and installation work.

Provide and install new 6-inch concrete median after flasher pole foundation and conduit installation work is completed, in accordance with the applicable provisions of MnDOT 2521; with the Plans; and as directed by the Engineer. Existing walks and curb ramps shall be protected and maintained in-place except where required to be removed and replaced to accommodate new pedestal foundation installations.

New bituminous trail construction shall match all requirements listed in the Plans and Division S special provisions for trail construction required as part of the overall Trunk Highway 23 reconstruction project.

At any time the surface of a bituminous trail, concrete walk, or concrete median is damaged or removed due to flasher system construction, repair the surface to its original cross-section. Place bituminous mixtures in lifts not exceeding 3 inches in thickness for Base and Binder courses and not exceeding 2 inches for the Wear Course. All backfill below the Class 5 must be granular and compacted. If unsuitable material is encountered during excavation remove and replace with granular material meeting MnDOT Specification No. 3149 for Select Granular Borrow.

All bituminous trail, concrete walk, concrete median removal and replacement work will be incidental to Flasher System A-B pay items with no direct compensation being made therefore.

H. Single Nut Connection Installation for Traffic Signal Structures

Install pedestal poles and pedestal bases in accordance with the manufacturer's installation requirements and the following.

Structure bases requiring single-nut anchor rod connections are set directly on the foundation without leveling nuts. One hex nut for each anchor rod is used to fasten the base to the foundation anchor rods. Use washers in the connections in accordance with the manufacturer's installation instructions and Contract Documents.

Use leveling shims provided and recommended by the base manufacturer when required to level the pole base on the foundation. If the manufacturer does not provide leveling shims, then use leveling shims in accordance with MnDOT Standard Plate No. 8129. To prevent excessive shim use, install no more than three shims per base corner or no more than six shims total per base. If more shims are needed to plumb the pole, then reinstall the foundations level and plumb as specified in Contract Documents. Do not use washers, spacers, or nuts to level poles.

Traffic signal structures that require single nut connection installation includes the following:

(1) Four inch diameter straight Pedestal Pole and Pedestal Base
(2) APS Push Button Station with Pedestrian Push Button Base
(3) Signal Head Pedestal Pole with Transformer Base

Tighten anchor rods for single nut connections to the required total torque value as specified by the base manufacturer and divide it into three passes of 20%, 60%, and 100% of that required total torque value as specified in the MnDOT Anchor Rod Tightening Form. If the base manufacturer does not specify a required total torque value, then use the torque values as shown in Table SS-2.3-2. Tighten anchor rods in accordance with the base manufacturer, the Contract Documents, and the MnDOT Anchor Rod Tightening Form titled "*MnDOT ANCHOR ROD TIGHTENING FORM-For Traffic Signal Structures (Single Nut Connection)*" included in this section.

Table SS-2.3-2
Required Torque Values (Ft-Lbs)
For Single Nut Connection Traffic Signal Structures

Base Type	Pass One 20%	Pass Two 60%	Pass Three 100%	Re-Tighten 100%
APS Push Button Station Base	12	36	60	60
Pedestal Pole and Pedestal Base with	18	54	90	90

¾" Diameter Anchor Rods				
Pedestal Pole and Pedestal Base with 1" Diameter Anchor Rods	30	90	150	150
Signal Head Pedestal Pole with T-Base 1" Diameter Anchor Rods	30	90	150	150

SS-2.4 MEASUREMENTS AND PAYMENTS

A. Flasher Systems

1. Providing, installing, and making operational materials and electrical equipment as specified herein, all for two (2) complete operating new push button activated Pedestrian Crosswalk Flasher Systems, one each at the intersections of:

    - Trunk Highway 23 and Broadway Avenue North (System A), and
    - Trunk Highway 23 and Penn Street / 8th Avenue (System B)

    all in the City of Foley, Benton County: as contained in these Special Provisions and in the Plans will be measured as an integral unit complete in-place and operating and paid for under Item No. 2565.616 (PEDESTRIAN CROSSWALK FLASHER SYSTEM A) and Item No. 2565.616 (PEDESTRIAN CROSSWALK FLASHER SYSTEM B), at the Contract price SYSTEM, which price is compensation in full for all costs incidental thereto.

Pool Refunds

Daily Pool Admissions

No refunds will be given due to bad weather or unexpected pool closings. No exceptions.

Swimming Lessons

- Requests for refunds for swimming lessons must be submitted to staff in writing (by letter or email: contactus@ci.foley.mn.us) prior to the start of the lesson week. Refunds will not be given once the session week has started.

  If a refund is denied, pool staff will work with the parent/guardian to find a rescheduling option whenever possible.

- Refunds will only be considered under the following conditions:

  - When an unexpected medical condition (illness or injury) occurs prior to the start of the swimming session and no rescheduling options for a different session are available. A doctor's note must be presented with the request to the City Administration Office.

  - When a parent/guardian mistakenly signs up for the wrong class during the online registration process (e.g. a Level class instead of a pre-school class). In this instance, the parent/guardian should contact staff as soon as the mistake is discovered. A full or partial refund may be possible once the student is enrolled in the correct class. Staff will also work to find a scheduling solution if a refund is not granted.

- If a medical refund request is approved by the City Administrator, a partial refund will be granted minus an administrative fee. ($5 admin fee for 25 min lessons /$10 admin fee for 50 min lessons).

- Refunds will not be considered for any other reason. Pool staff will attempt to reschedule a lesson for another date/time if other conflicts occur but only as availability exists.

TO: FOLEY CITY COUNCIL

FROM: SARAH BRUNN, CITY ADMINISTRATOR

SUBJECT: 05-02-23 –COUNCIL MEETING

DATE: APRIL 28, 2023

Consent Agenda

Staff is requesting approval of seasonal pay rates as presented. Staff did review pay rates at a number of different locations with lifeguards and found the following starting wages:

- St. Cloud Country Club - $12/hr.
- YMCA - $13/hr.
- St. Cloud School District - $15.50
- Mora - $15/hr.
- Foley Schools - $12/hr. ~requesting increase to $13/hr. in July 2023.
- City of St. Cloud Parks & Recreation - $17/hr.

In addition to the pay rates, I am also requesting approval of the year-end performance review for the seasonal pool employees. We have done this program for a few years now and it has gone over very well as it provides both an opportunity to go through a performance review but also incentive for our employees to work more hours. The only changes are to increase the bonus amounts based on the total points earned.

Wastewater Project

Mr. Voge will be presenting a change order for the project. This is a significant change order due to the required metering specifications needed at the connection point. I have attached the details and our engineer will be available at the meeting to answer questions. In addition, Mr. Voge will be presenting an additional pay application.

There is no new information to report regarding the city's needed $7 million PSIG funding. From what we can anticipate, if anything happens it will be towards the end of the session (in a couple weeks) in an all-cash bonding bill. We will keep you informed on any updates.

Winterfest Update

We received a requested to add Winterfest to the agenda. No supporting documentation for the request was provided for the packet.

Consider Removal of Sewer Sprinkling Charges

This item has been brought up numerous times at the city council level, the last was in 2022. Per the request of the mayor, I have included a draft ordinance. I also included the estimates we provided last year to the council as well as some revised staff/mayor recommendations.

I do have concerns making these ordinance amendments at this time that I must express to the council:

- Sewer rates have gone up 50% since the last time staff reviewed sprinklers charges. This could put the sewer losses closer to $40,000 per year (compared to initial $21,000 estimated last year).

- Water usage from last year is down about 5% overall. This also impacts the sewer revenues. If we continue to see both water and sewer usage decrease that will impact the overall budget and we will need to consider additional rates increases overall to make it up.
- We still do not have certainty on receipt of our $7 million sewer grant. If the grant funds are not received, we know sewer rates need to increase significantly to fund the expansion project.
- Pools, gardening, car washing, are not included in this policy. Staff anticipates many requests for consideration of pools in the policy. The council needs to consider the argument for not including pools, gardening, etc. and be prepared for these requests. If the additional items are considered, there is an impact to the sewer revenues.

I do understand the concept of not utilizing sewer when sprinkling the grass and that being charged for sewer is very expensive. The council must recognize that even though it's possible to be a small impact, the change of removing sewer charges on sprinklers will impact every rate payer on our system. I would consider conducting a public hearing (as recommended by legal) and consideration only after the wastewater project is complete and we have finalization of our overall project costs.

Highway 23 Pedestrian Crossing
The plans and specs are included in your packet. Staff recommends approval of these items contingent upon MnDOT approval. Jarod Griffith will be at the meeting to answer any questions you have.

Pool Refund Policy
Staff developed a simple pool refund policy for council consideration. We were very narrow in the scope of this policy due to concerns about operating costs of the pool and controlling annual losses each year.

Upcoming Reminders:
May 18th – Business After Hours Chamber Meeting ~Falcon Bank – 4:30-6:30pm
May 22nd – Joint County/City/Township Meeting – St. George Township – 6:30pm. (need to select council representative).
May 29th – Office Closed (Holiday)