

MEETING: REGULAR MEETING OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE

DATE & TIME: Wednesday, July 8, 2026 at 5:30 PM

**LOCATION: Germantown Village Hall Board Room
N112 W17001 Mequon Road**

Any member of the body and/or citizen may attend the meeting virtually through the WebEx platform, Meeting #: **2559 381 5578** Password: **ZNmFyjsD343** which can be accessed by phone at 408-418-9388 or by logging on at: <https://villageofgermantown.my.webex.com/villageofgermantown.my/j.php?MTID=m05d284a3c6a8ca3b30e9573d3bc90412>

Citizens not wishing to attend the meeting personally or virtually may submit any public comments by sending an email to comments@germantownwi.gov by 4 p.m. on the day of the meeting so that it can be provided to the members of the body for their consideration.

Previously recorded Village Board Meeting Videos can be viewed at https://www.youtube.com/channel/UCOYp0EgELzTCa9X_iCohyQ.

AGENDA

- I. **CALL TO ORDER:** *This meeting has been given public notice in accordance with Section 19.83 and 19.84, Wis. Stats, in such form that will apprise the general public and news media of subject matter that is intended for consideration and action.*
- II. **ROLL CALL:**
- III. **MEETING MINUTES:**
 - A. June 3, 2026
- IV. **PUBLIC COMMENT:** *Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this municipality that there be a four-minute time period, per person, with time extensions per the Chief Presiding Officer's discretion; be further advised that there may be limited discussion on the information received, however, NO ACTION will be taken under public comments. Comments that may be injurious to village personnel or other individuals will not be allowed.*
- V. **UNFINISHED BUSINESS:**
- VI. **NEW BUSINESS:**
 - A. Resolution Adopting the 2025 Compliance Maintenance Annual Report (CMAR) (WDNR) (ACTION)
 - B. 2026 Library Gutter Seam Sealing Project (DISCUSSION)
 - C. Gettysburg Drive "School Crossing" roadway painting and speed reduction signage (ACTION)
 - D. Reduction to the letter of credit in the amount of \$164,375.25 to Home Path Financial, developer of Heritage Park North (ACTION)
 - E. Amendment #1 to Agreement with MSA for the Maple Road bridge repair in an amount which includes a 10% contingency of \$31,130.00 (ACTION)
 - F. Change order to Agreement with Vinton Construction for the High Point Pass Project in the amount of \$34,909.96 (ACTION)
 - G. Adoption of 2026 Wage and Equipment Rates (ACTION)

VII. DIRECTOR'S REPORT:

A. July Director's Report

VIII. NEXT MEETING DATE:

IX. ANNOUNCEMENTS:

X. ADJOURNMENT:

UPON REASONABLE NOTICE, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, please contact the Village Clerk at (262)250-4745 at least 2 days prior to the meeting.

Notice is hereby given that a possible quorum of other boards, committees, and/or commissions may attend this meeting to gather information about an item over which they have decision-making responsibility. This may constitute a meeting of these bodies per State ex rel. Badke v Greendale Village Board, even though these bodies will not take formal action at this meeting.

MEETING:	REGULAR MEETING OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
DATE AND TIME:	Wednesday, June 3, 2026 5:30 PM
LOCATION:	Germantown Village Hall Board Room N112 W17001 Mequon Road

MINUTES

- I. **CALL TO ORDER:**
Chairperson Kaminski called the Public Works and Highways Committee meeting to order at 5:30PM.
- II. **ROLL CALL:**
Present: Trustee Terri Kaminski, Trustee Robert Warren, Trustee Jan Miller, Trustee Jim Stout
Absent: None
Excused: None
- III. **MEETING MINUTES:**
 - A. May 13, 2026 (ACTION)

Motion: Approve as presented
Motioned By: Robert Warren
Seconded By: Jim Stout

Yes: Terri Kaminski, Robert Warren, Jan Miller, Jim Stout
No: None
Abstain: None

Motion Passed (Yes 4, No 0, Abstained 0)
- IV. **PUBLIC COMMENT:**
Norman Berger of W141N9978 Seven Pines Way spoke about garbage fees on taxes.
- V. **UNFINISHED BUSINESS:**
 - A. April Storm Update (DISCUSSION)

DPW Director Zimmerman gave an update on the April storm and permitted residents to speak about the storm. A representative from Ruekert & Mielke gave an update about capacity upgrades. This was a discussion only item.

The following citizens spoke:

Kris Privek of N106W17321 Wildflower Ln spoke about sewage back up in her basement.
Randy Ryskoski of N106W17113 Juniper Dr spoke about basement flooding and planned improvements.
Tom Willard of N106W17355 Wildflower Ln spoke about basement flooding.

Jeff Zotcavage of N106W17385 Wildflower Ln spoke about dredging the creek.
Unidentified resident spoke about reassessments of flooded homes.

VI. NEW BUSINESS:

- A. Dombrock Relocation Order/Appraisal Rebuttal. (ACTION)

DPW Director Zimmerman gave information on this item.

Motion: Approve location 1 for crosswalk at Ava Cir close to intersection.

Motioned By: Robert Warren

Seconded By: Terri Kaminski

Yes: Terri Kaminski, Robert Warren, Jan Miller, Jim Stout

No: None

Abstain: None

Motion Passed (Yes 4, No 0, Abstained 0)

- B. Award of a contract to Fahrner Asphalt Sealers for the 2026 Road Program not to exceed the budgeted amount of \$250,000.00. (ACTION)

Motion: Approve as presented

Motioned By: Robert Warren

Seconded By: Jan Miller

Yes: Terri Kaminski, Robert Warren, Jan Miller, Jim Stout

No: None

Abstain: None

Motion Passed (Yes 4, No 0, Abstained 0)

- C. Award of contract to Payne & Dolan for the Division Road Phase 1 improvements in a total amount, including a 10% contingency, not to exceed \$2,341,449.10. (ACTION)

DPW Director Zimmerman gave information on this item.

Motion: Approve as presented

Motioned By: Robert Warren

Seconded By: Jan Miller

Yes: Terri Kaminski, Robert Warren, Jan Miller, Jim Stout

No: None

Abstain: None

Motion Passed (Yes 4, No 0, Abstained 0)

- D. Professional services agreement with RA Smith for Division Road Phase 1 inspection in an amount, including 10% contingency, not to exceed \$184,800.00. (ACTION)

Motion: Approve as presented
Motioned By: Robert Warren
Seconded By: Jan Miller

Yes: Terri Kaminski, Robert Warren, Jan Miller, Jim Stout
No: None
Abstain: None

Motion Passed (Yes 4, No 0, Abstained 0)

VII. DIRECTOR'S REPORT:

A. June Director's Report

DPW Director Zimmerman gave his June Director's report. Highlights include updates about the 2026 Road Program and the DOT roundabout project, Maple Rd bridge repair, Engineer Tech position has been filled, and spring mowing and projects are underway.

VIII. NEXT MEETING DATE:

The next Public Works and Highways Committee Meeting will be held on July 8, 2026 at 5:30PM.

IX. ANNOUNCEMENTS:

None

X. ADJOURNMENT:

Chairperson Kaminski adjourned the meeting at 7:22PM.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: July 8, 2026

PLACEMENT: Action Item

ITEM TITLE: Resolution Adopting the 2025 Compliance Maintenance Annual Report (CMAR)(WDNR)

SUBMITTED BY: Travis Broughton – Wastewater Superintendent
Tim Zimmerman – Director of Public Works

SUMMARY EXPLANATION:

I am presenting for your review the 2025 CMAR (Compliance Maintenance Annual Report). This requirement went into effect on January 1, 2006, as part of the renewal of our WPDES (Wisconsin Pollutant Discharge Elimination System) General Permit under the authority of Chapter 283, Wisconsin Statutes and the requirements of ch. NR 208 Wisconsin Administrative Code. The report must be accepted by resolution by the governing body (Village Board) before submission to the Department of Natural Resources.

ATTACHMENT: ORDINANCE _____ RESOLUTION X OTHER X

RECOMMENDATION:

It is my recommendation to send forward to the Village Board the 2025 CMAR and adopt its results by resolution of the full Village Board.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
6/22/2026 **2025**

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Tim Zimmerman"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="2622537765"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="tzimmerman@germantownwi.gov"/></p>																	
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?</p> <p>Year: <input style="width: 100px;" type="text" value="2025"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CFWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p>● Yes (0 points)</p> <p>○ No (40 points)</p>	0																
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>																	
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised?</p> <p>Year: <input style="width: 100px;" type="text" value="2025"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>																	
<p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: right;"><input style="width: 150px;" type="text" value="595,168.44"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 150px;" type="text" value="63,614.34"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 150px;" type="text" value="658,782.78"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 150px;" type="text" value="0.00"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 150px;" type="text" value="595,168.44"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	+	\$	<input style="width: 150px;" type="text" value="63,614.34"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 150px;" type="text" value="658,782.78"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 150px;" type="text" value="0.00"/>	
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Compliance Maintenance Annual Report

Germantown Sewage Collection System

Last Updated: Reporting For:
6/22/2026 **2025**

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 658,782.78

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

None

3.3 What amount should be in your Replacement Fund?

\$ 125,000.00

0

Please note: If you had a CWFPP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

- Yes
- No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

- Yes - If Yes, please provide major project information, if not already listed below.
- No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Sewer extension Village of Richfield	\$9,000,000	2029
2	Parallel force main Old Farm, Pump and electrical upgrades old farm. Parallel Force main pump and generator upgrade main St	\$14,000,000	2027
3	Sewer relay Kuhn's pleasant View subdivision to include PP I/I contribution	\$2,300,000	2028

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

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6/22/2026 **2025**

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	55,612	
February	56,367	
March	59,290	
April	63,891	
May	59,520	
June	65,227	
July	52,776	
August	55,835	
September	72,986	
October	46,994	
November	44,574	
December	58,280	
Total	691,352	0
Average	57,613	0

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- Comminution or Screening
- Extended Shaft Pumps
- Flow Metering and Recording
- Pneumatic Pumping
- SCADA System
- Self-Priming Pumps
- Submersible Pumps
- Variable Speed Drives
- Other:

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

No

Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

LED lighting change over is on-going. Equipment efficiency is being evaluated as part of major upgrades.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- Yes
- No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- Yes
- No (30 points)
- N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

- Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

- Comply with the conditions of the WPDES permit
- Minimize the occurrence of preventable overflows
- Minimize the life cycle ownership costs of the collection system assets
- Improve or maintain the level of customer service
- Improve or maintain system reliability
- Reduce the potential threat to human health from sewer overflows
- Provide adequate capacity to convey peak flow
- Manage infiltration and inflow

Did you accomplish them?

- Yes
- No

If No, explain:

August Flood created the need for an overflow we did not have adequate capacity to convey the peak flow during this event

- Organization [NR 210.23 (4) (b)]

Does this chapter of your CMOM include:

- Organizational structure and positions (eg. organizational chart and position descriptions)
- Internal and external lines of communication responsibilities
- Person(s) responsible for reporting overflow events to the department and the public

- Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Chapter13 Municipal Code

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY)

2022-01-03

Does your sewer use ordinance or other legally binding document address the following:

- Private property inflow and infiltration
- New sewer and building sewer design, construction, installation, testing and inspection
- Rehabilitated sewer and lift station installation, testing and inspection
- Sewage flows satellite system and large private users are monitored and controlled, as necessary
- Fat, oil and grease control

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Germantown Sewage Collection System

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Enforcement procedures for sewer use non-compliance

Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

Equipment and replacement part inventories

Up-to-date sewer system map

A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

A description of routine operation and maintenance activities (see question 2 below)

Capacity assessment program

Basement back assessment and correction

Regular O&M training

Design and Performance Provisions [NR 210.23 (4) (e)]

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements

Construction, Inspection, and Testing

Others:

<https://www.germantownwi.gov/DocumentCenter/View/74/Village-of-Germantown---Development-Handbook>

<https://www.germantownwi.gov/179/Standard-Specifications-Details>

Overflow Emergency Response Plan [NR 210.23 (4) (f)]

Does your emergency response capability include:

Responsible personnel communication procedures

Response order, timing and clean-up

Public notification protocols

Training

Emergency operation protocols and implementation procedures

Annual Self-Auditing of your CMOM Program [NR 210.23 (5)]

Special Studies Last Year (check only those that apply):

Infiltration/Inflow (I/I) Analysis

Sewer System Evaluation Survey (SSES)

Sewer Evaluation and Capacity Management Plan (SECAP)

Lift Station Evaluation Report

Others:

Multiple facilities plans for lift stations and entire system upgrades for future planning

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	21.07	% of system/year
Root removal	0	% of system/year
Flow monitoring	100	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	.009	% of system/year
Manhole inspections	18.43	% of system/year
Lift station O&M	210	# per L.S./year

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Manhole rehabilitation	<input type="text" value=".006"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="0"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="0"/>	% of system/year
Private sewer I/I removal	<input type="text" value="0"/>	% of private services
River or water crossings	<input type="text" value="100"/>	% of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

long term vacancy due to injury, difficult recruitments for qualified candidates, Training of young operators contributed to the decline of O&M activities in 2025

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

<input type="text" value="44.52"/>	Total actual amount of precipitation last year in inches
<input type="text" value="34.89"/>	Annual average precipitation (for your location)
<input type="text" value="113.62"/>	Miles of sanitary sewer
<input type="text" value="7"/>	Number of lift stations
<input type="text" value="0"/>	Number of lift station failures
<input type="text" value="0"/>	Number of sewer pipe failures
<input type="text" value="55"/>	Number of basement backup occurrences
<input type="text" value="55"/>	Number of complaints
<input type="text" value="3.027"/>	Average daily flow in MGD (if available)
<input type="text" value="3.356"/>	Peak monthly flow in MGD (if available)
<input type="text"/>	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

<input type="text" value="0.00"/>	Lift station failures (failures/year)
<input type="text" value="0.00"/>	Sewer pipe failures (pipe failures/sewer mile/yr)
<input type="text" value="0.02"/>	Sanitary sewer overflows (number/sewer mile/yr)
<input type="text" value="0.48"/>	Basement backups (number/sewer mile)
<input type="text" value="0.48"/>	Complaints (number/sewer mile)
<input type="text" value="1.1"/>	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
<input type="text" value="0.0"/>	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

	Date	Location	Cause	Estimated Volume
0	8/10/2025 5:00:00 AM - 8/10/2025 5:05:00 PM	N116W17230 Main St.	Rain, Flooding	1,728,000
1	8/10/2025 8:51:00 AM - 8/10/2025 8:46:00 PM	W172N10591 Division Rd.	Rain, Flooding	1,248,000

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

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<p>What actions were taken, or are underway, to reduce or eliminate SSO or TFO occurrences in the future?</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Major capital improvement to upgrade our two largest lift stations as their equipment is nearing end of life. Continuing inspectios and in house grouting</p> </div>	
<p>5. Infiltration / Inflow (I/I)</p> <p>5.1 Was infiltration/inflow (I/I) significant in your community last year?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes <input type="radio"/> No <p>If Yes, please describe:</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <p>august flood</p> </div> <p>5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes <input type="radio"/> No <p>If Yes, please describe:</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <p>august flood overwhelmed the system</p> </div> <p>5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <p>Record rainfall in August otherwise pretty normal year</p> </div> <p>5.4 What is being done to address infiltration/inflow in your collection system?</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <p>Continuous inspection, increased effort on CCTV</p> </div>	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Germantown Village Board

Date of Resolution or
Action Taken:

2026-07-20

Resolution Number:

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

SSO's were caused by flooding of biblical proportion overwhelming the collection system. MMSD evaluated storm at a 1000-year re-occurrence interval

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

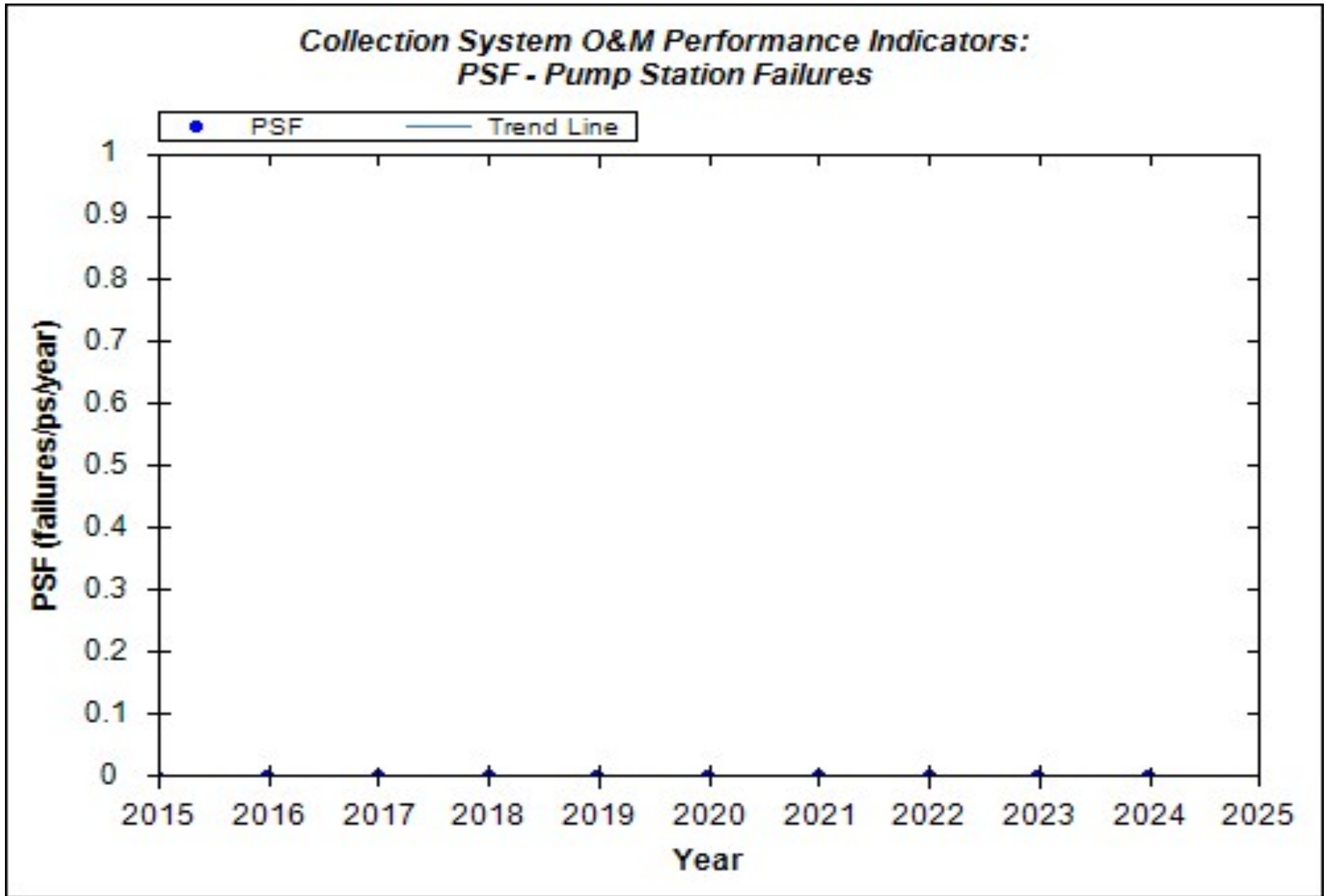
(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00

Germantown Sewage Collection System

Linear equation uses 2015 - 2025 CMAR data

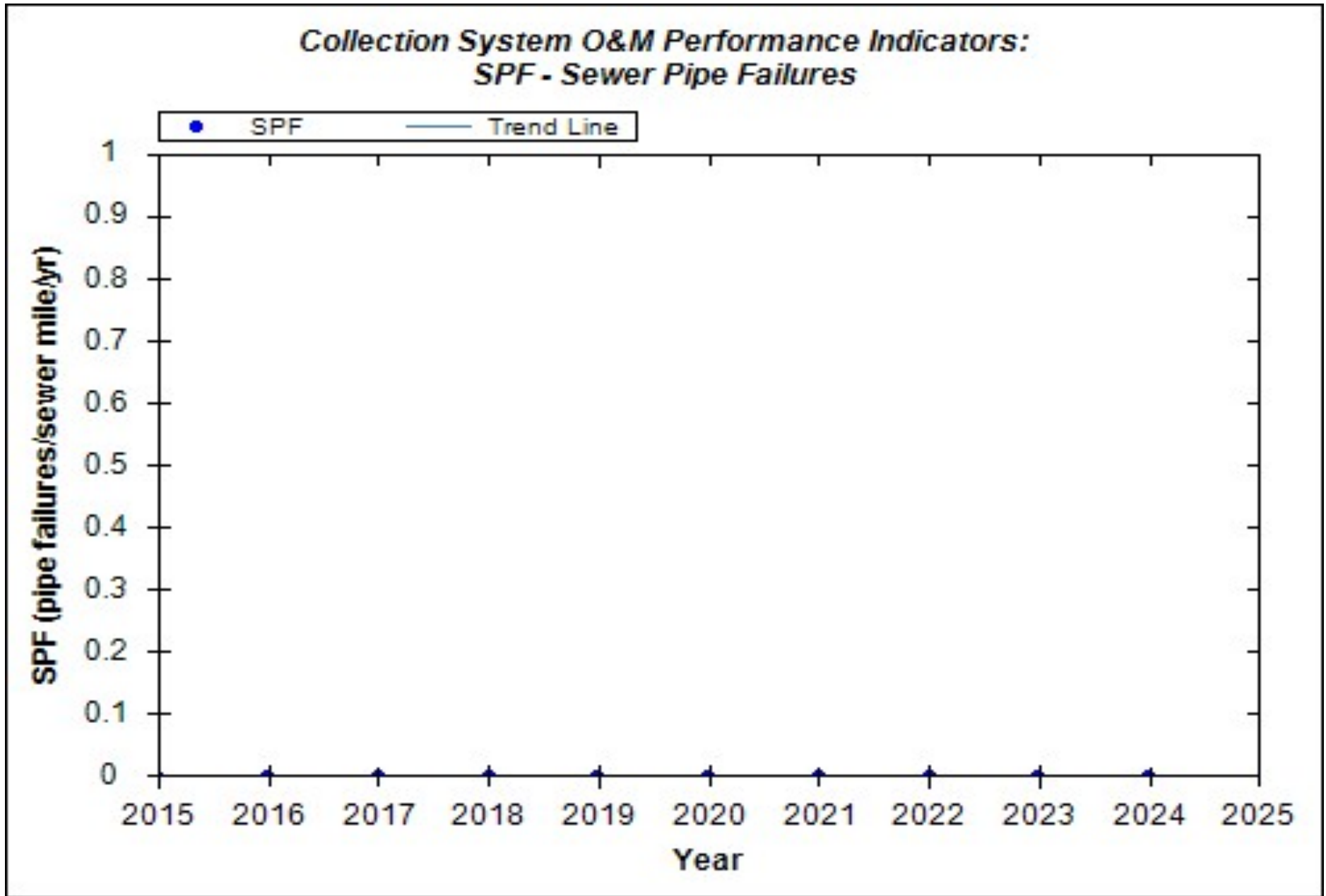
for Trend Line: PSF: $y = 0x + 0$



Germantown Sewage Collection System

Linear equation uses 2015 - 2025 CMAR data

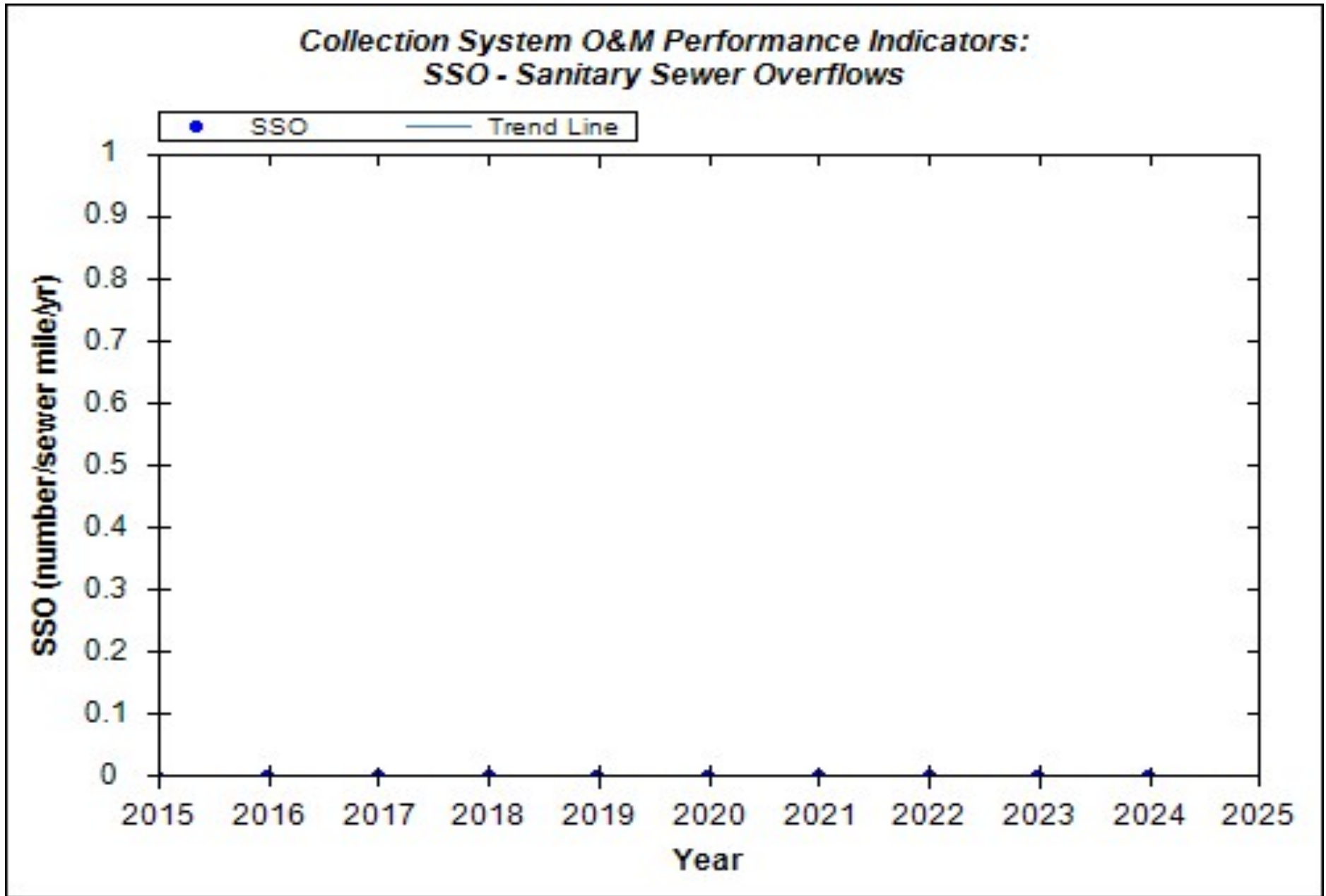
for Trend Line: SPF: $y = 0x + 0$



Germantown Sewage Collection System

Linear equation uses 2015 - 2025 CMAR data

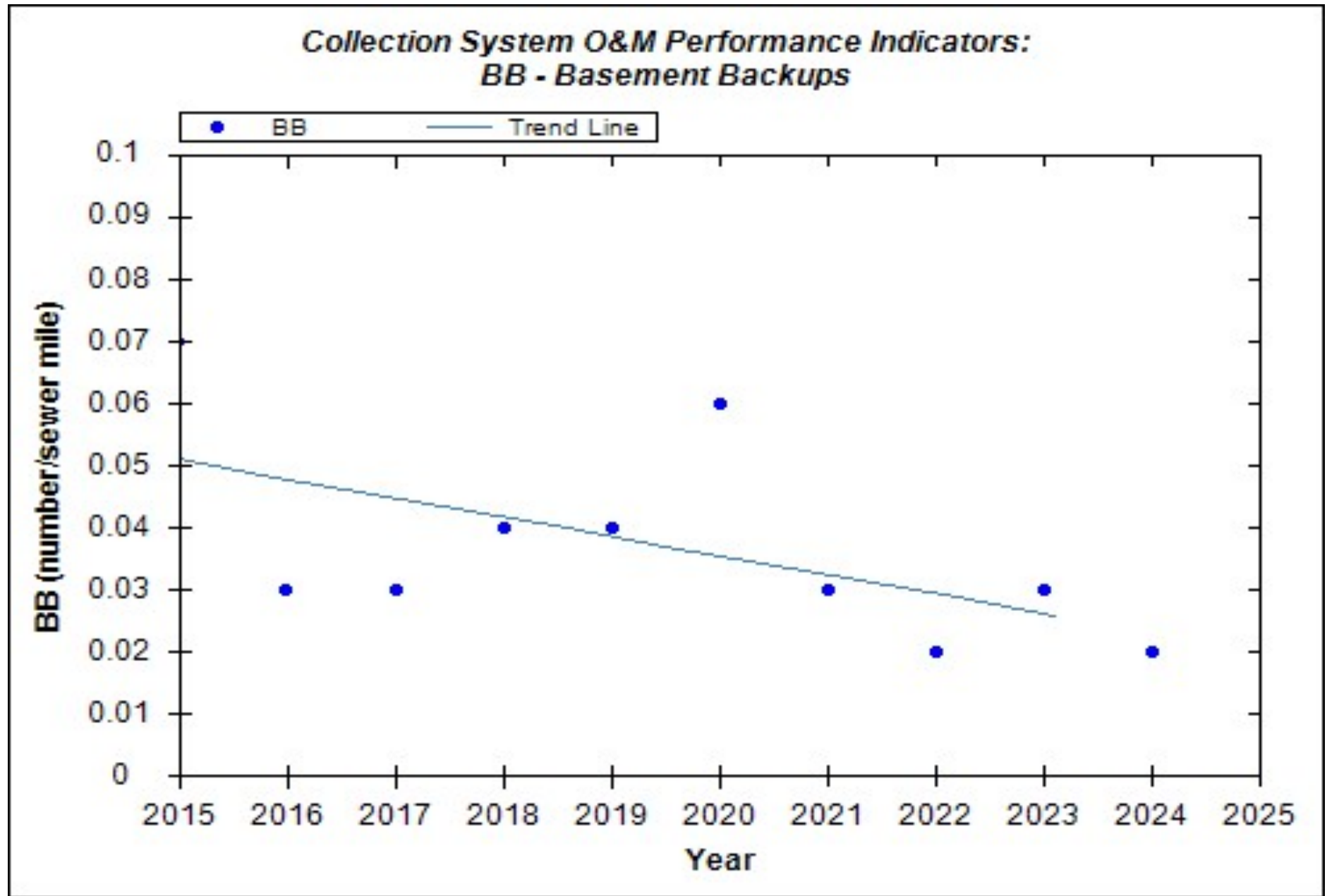
for Trend Line: SSO: $y = 0x + 0$



Germantown Sewage Collection System

Linear equation uses 2015 - 2025 CMAR data

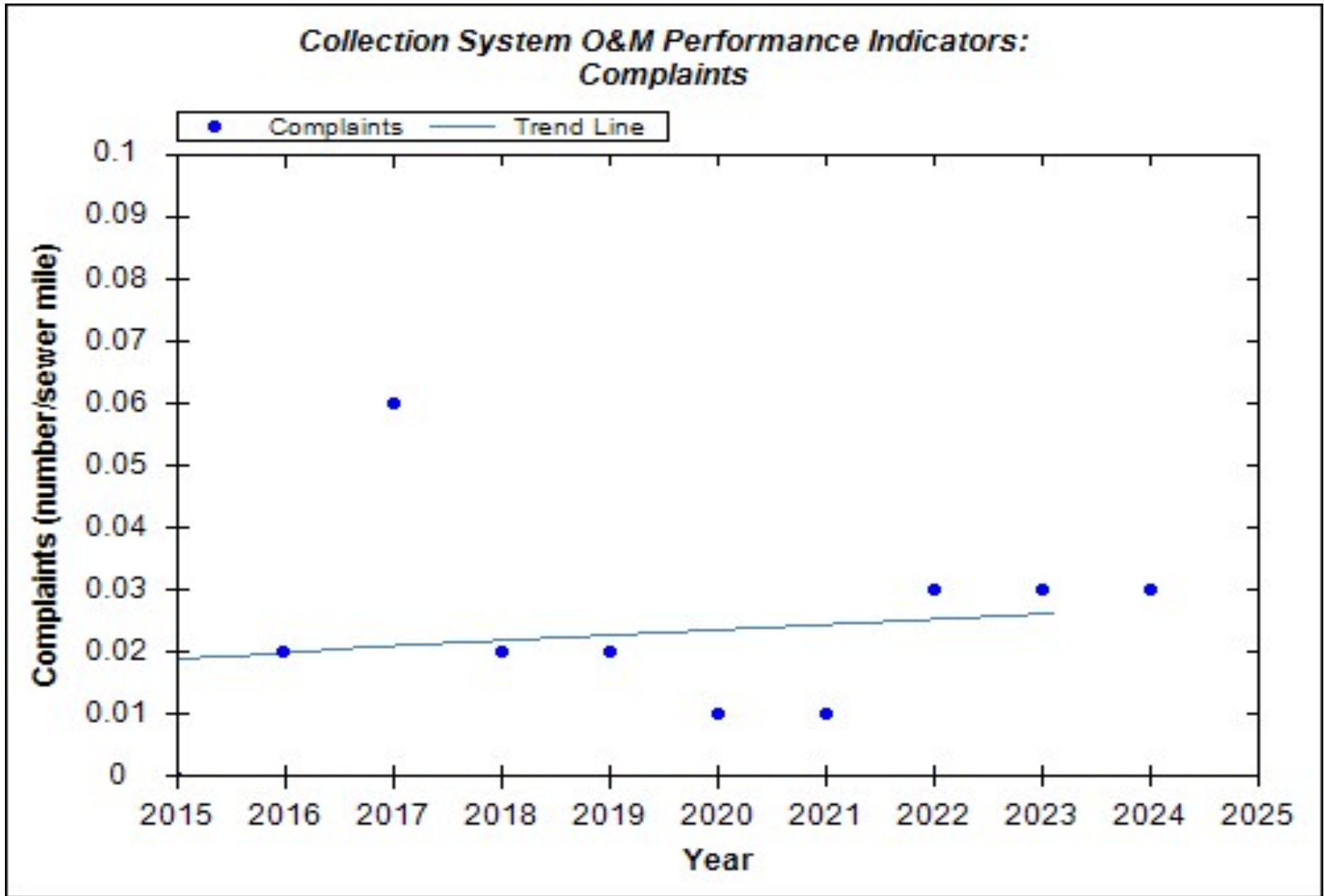
for Trend Line: BB: $y = -0.000008x + 0.41$



Germantown Sewage Collection System

Linear equation uses 2015 - 2025 CMAR data

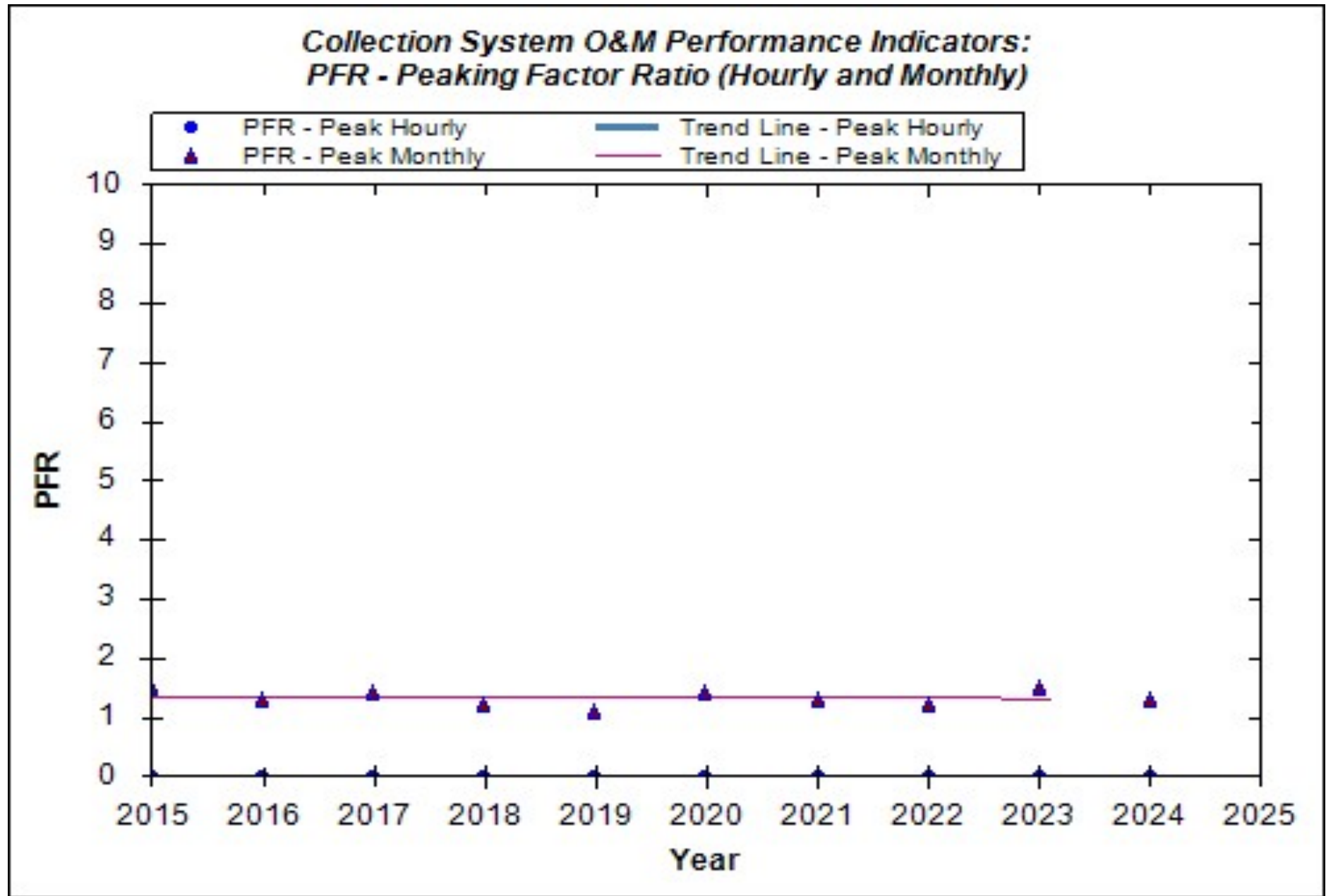
for Trend Line: Complaints: $y = 0.000002x - 0.09$



Germantown Sewage Collection System

Linear equations use 2015 - 2025 CMAR data

for Trend Lines: PFR - Peak Hourly: $y = 0x + 0$ PFR - Peak Monthly: $y = -0.000013x + 1.90$



STATE OF WISCONSIN
VILLAGE OF GERMANTOWN
WASHINGTON COUNTY

RESOLUTION NO. ____-26

A RESOLUTION ADOPTING THE 2025 WISCONSIN POLLUTION DISCHARGE
ELIMINATION SYSTEM COMPLIANCE MAINTANCE ANNUAL REPORT

WHEREAS, by the action taken in Resolution NO. ____-26, the Village is a participant in the Wisconsin Pollutant Discharge Elimination System (“WPDES”) program; and

WHEREAS, participants in the WPDES program are required to renew their General Permits issued under that program; and

WHEREAS, the permit renewal requires the Village to complete and submit a Compliance Maintenance Annual Report (“CMAR”); and

WHEREAS, the Village’s Public Works Committee reviewed the attached CMAR report and forwarded the same to the Village Board with a recommendation for adoption; and

WHEREAS, the Village Board having reviewed the same concurs with the recommendation of the Public Works Committee.

NOW, THEREFORE, BE IT RESOLVED that the Village Board of the Village of Germantown, Wisconsin, do hereby adopt the attached Compliance Maintenance Annual Report.

BE IT FURTHER RESOLVED that the Village Wastewater Superintendent is hereby directed and authorized to include the attached CMAR in the Village’s application for the renewal of its WPDES General Permit.

Introduced by Trustee:

Adopted: July 20, 2026

Vote: Ayes: _____ Nays: _____ Absent: _____

Robert Soderberg, Village President

ATTEST:

Donna Ott, Village Clerk

**BUSINESS OF THE PUBLIC WORKS COMMITTEE & VILLAGE BOARD
GERMANTOWN, WI**

MEETING DATE: Wednesday, July 8th, 2026.

AGENDA ITEM: New Business

ITEM TITLE: 2026 Library Gutter Seam Sealing Project

SUBMITTED BY: Scott Anderson: Highway, Parks, Building & Grounds Superintendent

SUMMARY EXPLANATION:

As part of the 2026 Buildings & Grounds non-borrowed capital budget, \$20,000.00 was allocated to make gutter repairs at the library. The library currently has a custom seamed gutter system in place which is original to the building. As with any seamed gutter, potential leaks at seams are inevitable over time. Generally speaking the library gutter system is in very good condition.

There are several persistent gutter seam leaks, which are located in areas that create problematic icing issues during the winter months. The largest problem area currently exists over the library's main entry way. This project will address resealing all gutter seams, not just current problem areas.

When considering gutter repair treatment, gutter replacement was also a consideration. While standard gutters may be a more cost effective option, staff did obtain and estimated replacement cost of \$120,000.00, to match the custom gutter system currently in place.

Gutter seam repair life expectancy can vary based on the process being used. Staff considered two options which were presented by our contractors. One option was to clean each seam and use a caulk sealant, which would be very similar to the treatment previously completed. This option would have provided about 6-8 years of life expectancy. Staff has scheduled Noffke Roofing to complete a treatment that includes cleaning, gluing uncured rubber flashing over each joint. This flashing will also be sealed with a caulk. This method is expected to last about 20-years, which will closely align with the next roof replacement.

Staff has solicited pricing from several area vendors and the results are listed below for review.

Noffke Roofing:	\$11,330.00 (uncured rubber)
Great Lakes Roofing:	\$17,500.00 (caulked sealant)
Northern Metal Roofing:	\$40,200.00 (uncured rubber)

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER _____

RECOMMENDATION:

COMMITTEE ACTION:

No action necessary. Information only.

**BUSINESS OF THE PUBLIC WORKS COMMITTEE & VILLAGE BOARD
GERMANTOWN, WI**

MEETING DATE: Wednesday, July 8th, 2026.

AGENDA ITEM: New Business

ITEM TITLE: 2026 Gettysburg Drive School Zone Speed Limit

SUBMITTED BY: Scott Anderson: Highway, Parks, Building & Grounds Superintendent

SUMMARY EXPLANATION:

Nearly a decade ago, safety improvements were made along Roberts Drive, adjacent to Mac Arthur Elementary School. These improvements included speed limit reduction signage and painted roadway markings, which highlighted the school zone.

Staff recently received a residential request for similar safety improvements along Gettysburg Drive, which is adjacent to the school's south property line. The proposed improvements include: roadway painting enhancements to the crosswalk, "school crossing" verbiage at westbound Gettysburg, and speed reduction signage, highlighting 15-MPH when children are present.

Police and Public Works staff have reviewed the request. Both departments agree that the request would benefit children traveling to and from school in the vicinity.

This project is not specifically funded in the 2026 annual budget. The material cost to complete this work is estimated to be in the neighborhood of \$650.00. These funds can be allocated from the Highway Department general fund operating budget, with minimal impact.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER _____

RECOMMENDATION:

Staff recommends the completing the outlined safety improvements along Gettysburg Drive, including the 15-MPH speed limit reduction in the area and to forward this request onto the Village Board with a positive recommendation. If approved, funds shall be allocated from the highway department operating account: 10562000-531370.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

SCHOOL

SPEED
LIMIT

15

WHEN
CHILDREN
ARE PRESENT

School Zone
Sign Placement

MacArthur
Elementary School

Fond du Lac Ave

Gettysburg Dr

Fond du Lac Ave

Potomac Cir

Vicksburg

Potomac

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: July 8, 2026

PLACEMENT: Action Item

ITEM TITLE: Letter of Credit Reduction – Heritage Park North

SUBMITTED BY: Timothy K. Zimmerman – Director of Public Works

SUMMARY EXPLANATION:

Home Path Financial, LP, developer of Heritage Park North, has requested a reduction to the Letter of Credit (LOC). The current value of the LOC is \$174,375.25. The developer is requesting a reduction in the amount of \$164,375.25, leaving a surety balance of \$10,000.00 for the one-year warranty period established in the Development Agreement. All the public improvements have been completed and accepted by the Village. Some street tree planting and their associated warranty period are what remain.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER__X__
Request letter dated 6/25/2026 – Home Path Financial, LP

RECOMMENDATION:

Staff requests the Public Works and Highways Committee recommend a reduction to the letter of credit in the amount of \$164,375.25, for approval by the Village Board

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.



UNITED CASUALTY AND SURETY INSURANCE COMPANY
 US Casualty and Surety Insurance Company
 United Surety Insurance Company

233 Needham Street #440, Newton, MA 02464

BOND RIDER

This Rider Shall Be Attached To And Form A Part Of The Following Bond

BOND NO: UCSX372X4816

ORIGINAL ISSUE DATE: 03/18/2022

BOND TYPE: Subdivision – Performance

PRINCIPAL: Home Path Financial Limited Partnership

OBLIGEE: Village of Germantown, Washington County, Wisconsin

BOND AMOUNT: \$2,902,592.25

EFFECTIVE DATE OF CHANGE: 08/25/2022

THE ABOVE REFERENCED BOND IS HEREBY AMENDED AND MODIFIED AS FOLLOWS:

Per the request of the Obligee: Reduction #1 of the Bond Penalty of the attached bond

From: Two million nine hundred two thousand five hundred ninety-two 25/100.....(\$2,902,592.25)

To: Two million two hundred two thousand five hundred ninety-two 25/100.....(\$2,202,592.25)

ACCEPTED AND AGREED

The Village of Germantown, Washington County, Wisconsin agrees to and accepts the Bond Rider and Reduction No. 1 to the Penal Sum of Performance Bond UCSX372X4816 and further certifies that, to its knowledge, there are no liens or claims that have been asserted or filed by any vendor, subcontractor, laborer, or other claimant on the Heritage Park North Subdivision.

Village of Germantown, Washington County, Wisconsin

By: _____

Title: _____

Dated: _____

Signed and sealed this 29th day of August, 2022

UNITED CASUALTY AND SURETY INSURANCE COMPANY

Kelly A. Specht, Attorney-in-Fact



California All-Purpose Certificate of Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Orange

} s.s.

On August 29, 2022 before me, Derek Syme, Notary Public
Name of Notary Public: Title

personally appeared Kelly A. Specht
Name of Signer (1)

N/A
Name of Signer (2)

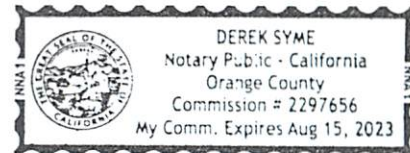
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature of Notary Public



Seal

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of _____
Rider Bond No. UCSX372X4816
containing 1 pages, and dated August 29, 2022.

The signer(s) capacity or authority is/are as:

- Individual(s)
 Attorney-in-fact
 Corporate Officer(s) _____
Title(s)

- Guardian/Conservator
 Partner - Limited/General
 Trustee(s)
 Other: _____

representing: United Casualty and Surety Insurance Company
Name(s) of Person(s)/Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:

- form(s) of identification credible witness(es)

Notarial event is detailed in notary journal on:

Page # _____ Entry # _____

Notary contact: _____

Other

- Additional Signer Signer(s) Thumbprints(s)



POWER OF ATTORNEY

Agency No: 171372

KNOW ALL MEN BY THESE PRESENTS: That United Casualty and Surety Insurance Company, a corporation of the State of Nebraska, and US Casualty and Surety Insurance Company and United Surety Insurance Company, assumed names of United Casualty and Surety Insurance Company (collectively, the Companies), do by these presents make, constitute and appoint:

Kelly A. Specht, Kandis Gregory, Richard P. Ford, Thomas C. Buckner, Bethany Mercer, William Belpedio

its true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety, providing the bond penalty does not exceed Three Million Five Hundred Thousand & 00/100 Dollars (\$3,500,000.00). This Power of Attorney shall expire without further action on December 31st, 2024.

This Power of Attorney is granted under and by authority of the following resolutions adopted by the Board of Directors of the Companies at a meeting duly called and held on the 1st day of July, 1993:

Resolved that the President, Treasurer, or Secretary be and they are hereby authorized and empowered to appoint Attorneys-in-Fact of the Company, in its name and as its acts to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected Officers of the Company in their own proper persons.

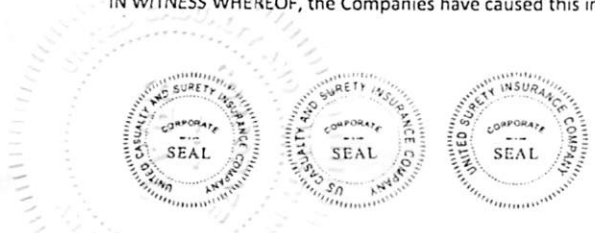
That the signature of any officer authorized by Resolutions of this Board and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereunto affixed, this 5th day of July, 2022

UNITED CASUALTY AND SURETY INSURANCE COMPANY
US Casualty and Surety Insurance Company
United Surety Insurance Company

Michael T. Porsch

Michael T. Porsch, Treasurer



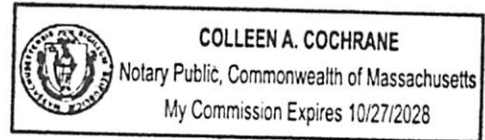
Corporate Seals

Commonwealth of Massachusetts
County of Middlesex ss:

On this 5th day of July, 2022, before me, Colleen A. Cochrane, a notary public, personally appeared, Michael T. Porsch, Treasurer of United Casualty and Surety Insurance Company, US Casualty and Surety Insurance Company and United Surety Insurance Company, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the Commonwealth of Massachusetts that the foregoing paragraph is true and correct.
WITNESS my hand and seal.

Colleen A. Cochrane (Seal)
Notary Public Commission Expires: 10/27/2028



I, Robert F. Thomas, President of United Casualty and Surety Insurance Company, US Casualty and Surety Insurance Company and United Surety Insurance Company do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Newton, Massachusetts this 29th day of August, 2022

Corporate Seals



Robert F. Thomas

Robert F. Thomas, President



11/07/22

Village of Germantown
Attn: Mr. Larry Ratayczak, PE
N112W 17001 N8480 Mequon Road
Germantown, WI 53022

Re: Heritage Park North
Bond #UCSX372X4816

Mr. Ratayczak,

Please consider this letter our formal request for reduction #2 of the subdivision surety referenced above. We are requesting a reduction in the amount of \$2,028,280, leaving a surety balance of \$174,375.25.

The remaining balance represents 125% of the values identified in the development agreement for asphalt surface course, dry utilities, street lights, street signs, and street trees.

Please provide written approval at your earliest convenience or contact me with any questions or comments.

Sincerely,
Ken Frank

Director, Acquisition and Development
Home Path Financial Limited Partnership

xc: Matt Rhum, Home Path Financial
Keith Kindred, SEH Engineering
Herb Gross, Home Path Financial



06/25/26

Village of Germantown
Attn: Tim Zimmerman
N112 W17001 Mequon Road
Germantown, WI 53022

Re: Heritage Park North
Bond # UCSX372X4816

Mr. Zimmerman,

Please consider this letter our formal request for the final reduction of the subdivision surety referenced above. We are requesting a reduction in the amount of \$164,375.25 leaving a surety balance of \$10,000.00 for the 1 year Warranty period established in the Development Agreement.

Please provide written approval at your earliest convenience or contact me with questions or comments.

Sincerely,
Tim Pykett

Land Development Group
Home Path Financial Limited Partnership



SUBDIVISION PERFORMANCE BOND

Bond No.: UCSX372X4816

KNOW ALL PERSONS BY THESE PRESENTS, That we, Home Path Financial Limited Partnership, called the Principal, and United Casualty and Surety Insurance Company, a Nebraska corporation, called the Surety, are held and firmly bound unto Village of Germantown, Washington County, Wisconsin called the Obligee, in the sum of Two million nine hundred two thousand five hundred ninety-two 25/100 (\$2,902,592.25) for payment thereof said Principal and Surety bind themselves, jointly and severally, as provided herein.

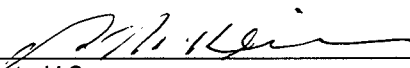
WHEREAS, in order to file a plat or subdivision map, or to obtain a permit, the Principal has entered into a contract with the Obligee which requires the Principal make certain improvements to the land as more particularly set forth in Development Agreement for Heritage Park North (hereinafter referred to as the "Contract")

NOW, THEREFORE, the condition of this obligation is such that if the Principal shall construct the improvements described in the Contract within time period granted by the Obligee, then this obligation shall be void, otherwise to remain in full force and effect. The obligation is subject to the following conditions:

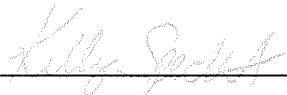
1. This bond runs to the benefit of the named Obligee only, and no other person shall have any rights under this bond.
2. This bond is not a forfeiture obligation, and in no event shall the Surety's liability exceed the reasonable cost of completing the improvements described in the Contract not completed by the Principal, or the sum of this bond, whichever is less.

Signed this 18th day of March, 2022.

Home Path Financial Limited Partnership (Principal)

By: 
 IMS Investments, LLC
 By: Jeffrey M. Kleiner, Member

United Casualty and Surety Insurance Company (Surety)

By: 
 Kelly A. Specht, Attorney-in-Fact

California All-Purpose Certificate of Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Orange

} s.s.

On March 18, 2022 before me, Bethany Mercer, Notary Public
Name of Notary Public, Title

personally appeared Kelly A. Specht
Name of Signer (1)

N/A
Name of Signer (2)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Handwritten Signature]
Signature of Notary Public



Seal

OPTIONAL INFORMATION

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of Performance Bond No. UCSX372X4816 containing 1 pages, and dated March 18, 2022.

The signer(s) capacity or authority is/are as:

- Individual(s)
- Attorney-in-fact
- Corporate Officer(s) _____
Title(s)
- Guardian/Conservator
- Partner - Limited/General
- Trustee(s)
- Other: _____

representing: United Casualty and Surety Insurance Company
Name(s) of Person(s) Entity(ies) Signer is Representing

Additional Information
Method of Signer Identification
Proved to me on the basis of satisfactory evidence: <input type="checkbox"/> form(s) of identification <input type="checkbox"/> credible witness(es)
Notarial event is detailed in notary journal on: Page # _____ Entry # _____
Notary contact: _____
Other
<input type="checkbox"/> Additional Signer <input type="checkbox"/> Signer(s) Thumbprints(s)
<input type="checkbox"/> _____



POWER OF ATTORNEY

Agency No. 171372

KNOW ALL MEN BY THESE PRESENTS: That United Casualty and Surety Insurance Company, a corporation of the State of Nebraska, and US Casualty and Surety Insurance Company and United Surety Insurance Company, assumed names of United Casualty and Surety Insurance Company (collectively, the Companies), do by these presents make, constitute and appoint:

Kelly A. Specht, Kandis Gregory, Richard P. Ford, Thomas C. Buckner, Michael Herranen, Bethany Mercer, William Belpedio

its true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety. This Power of Attorney shall expire without further action on December 31st, 2023.

This Power of Attorney is granted under and by authority of the following resolutions adopted by the Board of Directors of the Companies at a meeting duly called and held on the 1st day of July, 1993:

Resolved that the President, Treasurer, or Secretary be and they are hereby authorized and empowered to appoint Attorneys-in-Fact of the Company, in its name and as its acts to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected Officers of the Company in their own proper persons.

That the signature of any officer authorized by Resolutions of this Board and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereunto affixed, this 15th day of February, 2021.



UNITED CASUALTY AND SURETY INSURANCE COMPANY
US Casualty and Surety Insurance Company
United Surety Insurance Company

Joel Chachkes
Joel R. Chachkes, Treasurer

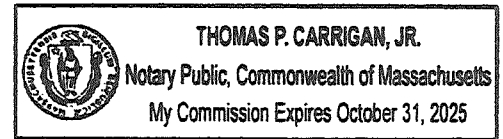
Corporate Seals

Commonwealth of Massachusetts
County of Suffolk ss:

On this 15th day of February, 2021, before me, Thomas P. Carrigan, Jr., a notary public, personally appeared Joel R. Chachkes, Treasurer of United Casualty and Surety Insurance Company, US Casualty and Surety Insurance Company and United Surety Insurance Company, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the Commonwealth of Massachusetts that the foregoing paragraph is true and correct.
WITNESS my hand and seal.

Thomas P. Carrigan, Jr., Notary Public Commission Expires: 10/31/2025



I, Robert F. Thomas, Chief Operating Officer of United Casualty and Surety Insurance Company, US Casualty and Surety Insurance Company and United Surety Insurance Company do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Boston, Massachusetts this 18th day of

March 2022

Corporate Seals



Robert F. Thomas
Robert F. Thomas, Chief Operating Officer

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: July 8, 2026

PLACEMENT: Action Item

ITEM TITLE: Amendment To the MSA Professional Services Agreement – Maple Road
Bridge Repair

SUBMITTED BY: Timothy K. Zimmerman – Director of Public Works

SUMMARY EXPLANATION:

By unanimous recommendation the PWHC recommended repair option A as presented at the May 13, 2026 PWHC. Our consultant, MSA under Village project number 2603 was asked to expand their scope of services to include preparation of plans and specs, bid administration, construction administration, and construction observation.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER__X____
PSA Amendment

RECOMMENDATION:

Staff requests the PWHC recommend to the Village Board acceptance of MSA Amendment 1 – for the Maple Rd. Bridge Repair in the amount of \$28,300 with an additional 10% contingency of \$2,830.00 for the total amount of \$31,130.00. Funded in 40-561000-594300 Bridges

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.



Amendment

Amendment No: 1

MSA Project Number: 00223006
Date of Issuance: June 17, 2026

This is an amendment to the Agreement dated January 6, 2026 and does acknowledge that MSA Professional Services, Inc. (MSA) is authorized to begin work on the following project amendment:

MSA PROFESSIONAL SERVICES, INC (MSA)

Address: 1702 Pankratz Street, Madison, WI 53704

Phone: (608) 355-8945

Representative: Leah Rhodes

Email: lrhodes@msa-ps.com

VILLAGE OF GERMANTOWN (OWNER)

Address: W130N10200 Town 9 Parkway, Germantown, WI 53022

Phone: (262) 250-4725

Representative: Timothy Zimmerman

Email: tzimmerman@germantownwi.gov

Project Name: Maple Road over Goldendale Creek Bridge Repair

The project scope has changed due to:

- Bid Administrative Package and Services (if authorized in writing)
- Construction Administration Services (if authorized in writing)
- Construction Observation Services

The scope of the work authorized is: See Attachment A: Scope of Services

The schedule to perform the work is: Approximate Start Date: June 22, 2026
Approximate Completion Date: December 1, 2026

The fees for the work are as follows:

		Original Fee	Fee Adjustment
Phase 100: Data Collection	Lump Sum	\$820	\$0
Phase 200: Field Verification	Lump Sum	\$1,375	\$0
Phase 300: Site Evaluation Study	Lump Sum	\$10,740	\$0
Phase 400: Repair Package for Quotations	Lump Sum	\$5,010	\$0
Phase 500: Repair Plans and Specifications	Estimated Fee	\$13,660	\$0
Phase 600: Bid Administration Services (if authorized in writing)	Lump Sum	-	\$6,100
Phase 700: Construction Administration Services (if authorized in writing)	Estimated Fee	-	\$9,500
Phase 800: Construction Observation Services	Estimated Fee	-	\$12,700

The estimated fee for the work is: \$28,300
Original contract amount: \$31,605
New contract amount: \$59,905

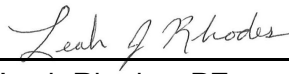
Any attachments or exhibits referenced in this Amendment are made part of the original Agreement. Payment for these services will be on a time and expense basis, where indicated (estimated fee), and on a lump sum basis where indicated. Attachment B: Rate Schedule is attached and made part of this Agreement

Approval: MSA shall commence work on this project in accordance with your written authorization. This authorization is acknowledged by signature of the authorized representatives of the parties to this Amendment. A copy of this Amendment signed by the authorized representatives shall be returned for our files. If a signed copy of this Authorization is not received by MSA within seven days from the date of issuance, MSA may stop work on the project.

VILLAGE OF GERMANTOWN

MSA PROFESSIONAL SERVICES, INC.

Bob Soderberg
Village President
Date: _____



Leah Rhodes, PE
Team Leader
Date: 6/17/2026

ATTACHMENT A:

The following changes to the original CONTRACT are included with this AMENDMENT NO. 1 for Attachment A.

PHASE 600 – BID ADMINISTRATION SERVICES (IF AUTHORIZED IN WRITING)

Phase 600 is added as follows:

- Project Manual specifications for bidding
- Provide Bid Advertisement
- Administer Bid Document Distribution Process utilizing QuestCDN
- Issue Addenda as appropriate to clarify, correct, or change the bidding documents
- Conduct a Virtual Electronic Bid Opening
- Prepare Tabulation of Bids
- Assist Owner in evaluating bids and in assembling and awarding construction contracts
- Attend one virtual meeting to formally recommend award.

PHASE 700 – CONSTRUCTION ADMINISTRATION SERVICES (IF AUTHORIZED IN WRITING)

Phase 700 is added as follows:

- Manage and coordinate project team, budget and schedules. Maintain communication with Owner and stakeholders on project.
- Coordinate and Conduct Preconstruction Meeting
- Facilitate up to three (3) virtual construction progress meetings
- Review Contractor Applications for Payment; make payment recommendation to Owner as appropriate.
- Review Change Order requests from Contractor; recommend Change Orders to Owner as appropriate.
- Review Contractor Submittals, Schedules and Samples for compliance with Construction Documents.
- Prepare punch list (items to be completed or corrected). Review Contractor work and completion documents for compliance with construction contract and readiness for final payment (*includes warranty documentation and lien waiver review*).

PHASE 800 – CONSTRUCTION OBSERVATION SERVICES

Phase 800 is added as follows:

- Furnish a Construction Observer to observe the progress and quality of the Contractor's work on the bridge beam repair. Responsibilities of the Construction Observer include:
 - Attend Preconstruction Meeting (Virtual Attendance Only)
 - Assist in communication between Engineer, Contractor and Owner, especially when additional information, interpretation, or clarification is needed regarding existing conditions or contract documents.
 - Respond to Contractor Requests for Information and assist in interpretation of contract documents as it pertains to bridge beam repair.
 - Review Contractor material submittals for general conformance with the design intent of the construction documents.
 - Conduct on-site observations of the Contractor's work in progress, limited to a maximum of six (6) site visits and twenty-four (24) total field hours (excluding travel), including the punch list visit.

- Observation will include both concrete surface repairs and fiber wrap reinforcement work, including identifying repair locations in the field.
- The Construction Observer will not have control over or responsibility for construction means, methods, techniques, sequences, procedures, or safety precautions and programs implemented by the Contractor.
- Maintain orderly files and prepare field notes for each site visit recording Contractor's activities at the site.
- Review applications for payment for general conformance with observed progress of the bridge repair work, and materials and equipment delivered at the site.
- Prepare Record Drawings based on addenda, Field Orders, Change Orders and Contractor's Records.
- Additional services will be required if the Contractor's schedule extends beyond the anticipated duration or requires additional site visits beyond those included.

ADDITIONAL SERVICES

The Additional Services section is removed and replaced with the following:

The following services are not included but can be provided on a time and materials basis as an additional service if authorized in writing.

- Topographic or utility survey
- Utility coordination
- DNR or other agency coordination
- Permitting
- Right of way exhibits
- Traffic control plans
- Load rating calculations
- Public involvement meetings
- Hazardous materials investigation (including asbestos)

SCHEDULE

The Schedule section is removed and replaced with the following:

The following items of work will be completed by the following dates if MSA has received the signed contract by June 22, 2026.

MILESTONE	COMPLETION
Kick-Off Meeting	January 2026
Phase 100: Data Collection	January 2026
Phase 200: Field Verification	February 2026
Phase 300: Site Evaluation Study	March 20, 2026
Phase 400: Repair Package for Quotations	July 10, 2026
Phase 500: Repair Plans and Specifications	July 10, 2026
Phase 600: Bid Administration Services (if authorized)	September 2026
Phase 700: Construction Administration Services (if authorized)	December 1, 2026
Phase 800: Construction Observation Services	December 1, 2026

**ATTACHMENT B:
RATE SCHEDULE**

Administrative	\$ 90 – \$160/hr.
Architects	\$ 90 – \$208/hr.
Community Development Specialists	\$144 – \$208/hr.
Digital Design.....	\$121 – \$159/hr.
Environmental Scientists/Geologists	\$116 – \$203/hr.
Geographic Information Systems (GIS).....	\$105 – \$203/hr.
Housing Administration	\$ 97 – \$198/hr.
Inspectors/Zoning Administrators	\$115 – \$160/hr.
IT Support.....	\$184 – \$203/hr.
Land Surveying.....	\$ 90 – \$208/hr.
Landscape Designers & Architects.....	\$ 90 – \$231/hr.
Planners.....	\$ 90 – \$226/hr.
Principals	\$230 – \$330/hr.
Professional Engineers/Designers of Engineering Systems	\$163 – \$214/hr.
Project Managers.....	\$126 – \$259/hr.
Real Estate Professionals	\$147 – \$203/hr.
Staff Engineers	\$ 90 – \$157/hr.
Technicians.....	\$105 – \$159/hr.
Utility Treatment Operators	\$ 90 – \$190/hr.

Labor rates represent an average or range for a particular job classification. These rates are in effect until December 31, 2026.

REIMBURSABLE EXPENSES (effective April 19, 2026)

Building Inspection Permit Management	\$25/permit
Copies/Prints	Rate based on volume
Specs/Reports.....	\$10
Copies	\$0.20/page \$0.13/page for DOT
Plots	\$0.01/sq.in.
Flash Drive	\$10
Dini Laser Level	\$85/per day \$85/day for DOT
Drone Flight	\$375/flight \$250/flight for DOT
Geodimeter	\$30/hour
GPS Equipment	\$20/hour \$18/hour for DOT
GPS R2 Equipment	\$20/hour \$18/hour for DOT
Mailing/UPS	At cost
Mileage – Reimbursement	IRS Rate – IRS Rate + \$5/day
Mileage – MSA Vehicle	\$0.77/mile \$0.77/mile for DOT
Nuclear Density Testing	\$45/day \$45/day for DOT
Organic Vapor Field Meter	\$100/day
PC/CADD Machine	Included in labor rates
Robotic Survey Equipment.....	\$20/hour \$14/hour for DOT
Stakes/Lath/Rods.....	At cost
Travel Expenses, Lodging, & Meals	At cost
Traffic Counting Equipment & Data Processing.....	At cost

Expense rates represent an average or range for a particular category and are subject to change to match incurred cost in real time.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: July 8, 2026

PLACEMENT: Action Item

ITEM TITLE: Consideration of a change order to Vinton Construction Co. High Point Pass Project Number 2504

SUBMITTED BY: Timothy K. Zimmerman – Director of Public Works

SUMMARY EXPLANATION:

High Point Pass had the wrong street light poles in the bid document. Unfortunately, it was not discovered during final review. The street light poles meet Village spec for streetlights but not for hanging signals on them. The original 10’ poles were received by the Village for inventory since they were non-returnable to the supplier. Vinton Construction sourced the correct 15’ poles which would accommodate the signals and lighting at the intersection this resulted in additional cost of \$34,909.96 in cost.

ATTACHMENT: ORDINANCE____ RESOLUTION____ OTHER__X__
CO Request and supporting documentation

RECOMMENDATION:

Staff requests the Public Works and Highways Committee recommend to the Village Board, payment of change order #11 in the amount not to exceed \$34,900.69 to Vinton Construction for the sourcing and installation of 4 light poles to meet the MUTCD standard heights for combination light poles. To be paid as part of Pay application #5. Village contract number 253169 Budget line Item 45-408440-542800 TID 8 Contracted Services.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

CHANGE ORDER NO. 11

Date of Issuance: 4/28/2026		Effective date: 9/16/2025
Project: High Point Pass Road Reconstruction		Owner's Contract No.: 2504
Contract:	Owner: Village of Germantown	Date of Contract:
Contractor: Vinton Construction Company		Engineer's Project No.: 2245358/1255301

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

Description:

Signal Modifications									
CO 11.1	10 FT Standard Pole in Black to Village	4.0	EA	@	\$	492.00	=	\$	1,968.00
CO 11.2	Pedestal in Black for 10 FT Pole to Village	4.0	EA	@	\$	217.00	=	\$	868.00
CO 11.3	15 FT Standard Pole in Black Installed	4.0	EA	@	\$	953.00	=	\$	3,812.00
CO 11.4	Pedestal in Black for 15 FT Pole Installed	4.0	EA	@	\$	377.00	=	\$	1,508.00
CO 11.5	Remove Traffic Signal Standard Alum. 10-FT (Item 97)	-4.0	EA	@	\$	715.80	=	\$	(2,863.20)
CO 11.6	Remove Pedestal Bases (Item 93)	-4.0	EA	@	\$	294.55	=	\$	(1,178.20)
						Subtotal	=	\$	4,114.60
LSI Lighting									
CO 11.7	LSI Poles (Materials and Installation)	2.0	EA	@	\$	5,850.00	=	\$	11,700.00
CO 11.8	Complete Type 5 Aluminum Poles to Village	2.0	EA	@	\$	3,220.00	=	\$	6,440.00
CO 11.9	#6 AWG wire	6554	LF	@	\$	1.85	=	\$	12,124.90
CO 11.10	Remove Poles Type 5 Aluminum (Item 95)	-2.0	EA	@	\$	2,545.25	=	\$	(5,090.50)
CO 11.11	Remove Luminaire Arms Single Member 8' (Item 100)	-4.0	EA	@	\$	372.75	=	\$	(1,491.00)
CO 11.12	Remove Electrical Wire Lighting 12 AWG (Item 91)	-144.0	LF	@	\$	0.80	=	\$	(115.20)
CO 11.13	Remove Luminaire Streetworks (Item 106)	-4.0	EA	@	\$	263.50	=	\$	(1,054.00)
CO 11.14	Remove Transformer Breakaway 11-1/2" Bolt Cir. (94)	-2.0	EA	@	\$	660.25	=	\$	(1,320.50)
						Subtotal	=	\$	21,193.70
Supplemental Items									
CO 11.15	Soil Stabilization Fabric, Mirafi 600X or equal	1044.0	SY	@	\$	5.00	=	\$	5,220.00
CO 11.16	6-Inch Hydrant Barrel Extension	1.0	EA	@	\$	875.00	=	\$	875.00
						Subtotal	=	\$	6,095.00
CO 11.17	Prime Contractor 12% Markup (\$29,144.90*.12=\$3497.39)	1.0	LS	@	\$	3,497.39	=	\$	3,497.39
						TOTAL	=	\$	34,900.69

Reason for Change Order:

Per Village Development Handbook installation of LSI lighting for arterial roadways is preferred thus change. Plan had signals to be installed on light poles but loestically this will be difficult due to taper. thus 10 FT poles switched to 15 FT to allow for signal heads to be installed.

Supplemental items used during construction.

Attachments: (List documents supporting change) PDF mark up of signal plan and LSI lighting, Highway Light invoices and emails with acceptance

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

<p>Original Contract Price</p> <p style="margin-left: 20px;">\$ <u>2,178,582.60</u></p> <p>[Increase]from previous approved Change Orders No. <u>1-10</u></p> <p style="margin-left: 20px;">\$ <u>253,822.50</u></p> <p>Contract Price prior to this Change Order:</p> <p style="margin-left: 20px;">\$ <u>\$2,432,405.10</u></p> <p>Increase of this Change Order:</p> <p style="margin-left: 20px;">\$ <u>34,900.69</u></p> <p>Contract Price incorporating this Change Order:</p> <p style="margin-left: 20px;">\$ <u>2,467,305.79</u></p>	<p>Original Contract Times:</p> <p style="margin-left: 20px;">Substantial completion (days or date): <u>31-Aug-25</u></p> <p style="margin-left: 20px;">Final completion (days or date): <u>15-Oct-25</u></p> <p>[Increase][Decrease] from previous Change Orders: No. <u> </u> to No. <u> </u> :</p> <p style="margin-left: 20px;">Substantial Completion (days): <u>n/a</u></p> <p style="margin-left: 20px;">Final completion (days): <u>n/a</u></p> <p>Contract Times prior to this Change Order:</p> <p style="margin-left: 20px;">Substantial Completion (days or date): <u>31-Aug-25</u></p> <p style="margin-left: 20px;">Final completion (days or date): <u>15-Oct-25</u></p> <p>[Increase][Decrease] this Change Order:</p> <p style="margin-left: 20px;">Substantial completion (days or date): <u>n/a</u></p> <p style="margin-left: 20px;">Final completion (days): <u>n/a</u></p> <p>Contract Times with all approved Change Orders:</p> <p style="margin-left: 20px;">Substantial completion (days or date): <u>31-Aug-25</u></p> <p style="margin-left: 20px;">Final completion (days or date): <u>11-Nov-25</u></p>
---	--

RECOMMENDED:	ACCEPTED: <input checked="" type="checkbox"/>	ACCEPTED:
By: <u>Jennifer Stau</u> (Authorized Signature) ENGINEER	By: _____ (Authorized Signature) OWNER	By: _____ (Authorized Signature) CONTRACTOR
Date: <u>4/28/2026</u>	Date: _____	Date: <u>6-15-2026</u>

Starr, Jennifer

From: Starr, Jennifer
Sent: Tuesday, September 16, 2025 6:54 AM
To: Grant Manion; Bruce Marr
Cc: Kevin Driscoll; Scott Anderson; Cimaglia, Liam; Greg Melcher
Subject: Pricing for electrical items- Highpoint
Attachments: high point standard change.pdf; 2024 Development Handbook FOR PUBLICATION 10-14-2024_202410151505080125.pdf

Grant and Bruce,

Please proceed with the attached 15' standard poles. The DPW will take possession of the 10' poles and can be coordinated with Scott.

In addition and per our on site meeting yesterday the 2 median street lights will be replaced with LSI lights, double arms and new luminaires. Below is a snip from the Village Handbook with LSI lighting information (also attached pg 92) and yes they would like the bronze (not black). The Village uses Graybar as a supplier and will have the appropriate information on file and also shop drawings. I believe you had a contact previously with the Autobahn luminaires.

Please provide the same as your attached with base price of light poles/arms/luminaires per plan and the LSI lighting. Also if you obtain shop drawings/submittals from Graybar please email to the group. Let me know if you have any questions.

Thanks,

5.4.2.2 Street Light Approved Materials:

5.4.2.2.1 Control Cabinet; Eagle Traffic Control Systems Model Size – M or sized to match project.

5.4.2.2.2 Concrete Pole by “Traditional Concrete, Inc Model #D715-SP-EA-3x4TO (use with Harp Lights)

5.4.2.2.3 Aluminum Pole by “hapco”. Drawing # B82525-001

5.4.2.2.4 Steel Round Light Pole by LSI; # 5RP-B5-S07G-28-S-BRZ-DGPGA

5.4.2.2.5 Harp Series Light Fixtures by “Holophane; 55w-4K-AS-3-B-5-A

5.4.2.2.6 Milwaukee Harp Light

5.4.2.2.7 ts by TAPCO; Model MH100 w/LED 203-100525121421

5.4.2.2.8 Roadway Luminaire by Eaton; # OVH-E20-LED-E-U-T3-AP-U-K ARM A25410 or A69771

5.4.2.2.9 Area Luminaire by Eaton; # RDG-E02-LED-E-U-T3-BZ-U-7050 ARM A25410 or A69771

5.4.2.2.10 Mirada Medium LED Area Light by LSI; # MRMLD12LSIL3UNVDIM4070CRI-BRZ

5.4.2.2.11 Pole Mounting Bracket by LSI; BKSPQMHCLR

5.4.2.2.12 LED Bollard Light by Traditional Concrete, Inc; # D303-SP-EA-10 w/CAV6-LED Light Fixture

5.4.2.2.13 Casting Lid for CMP Junction Box by Neenah Foundry # R-5900-E (Electric Lid)

5.4.2.2.14 Enclosure Box-Polymer Concrete by Quazite; (12”x12”) #PC1212BA12; LID #PC1212CA0017 (w/electric logo)

Jennifer Starr, CISEC

Assistant Director of Construction Services



16745 West Bluemound Road, Brookfield, WI 53005-5938

direct: 262-901-2209

From: Grant Manion <gmanion@vintonwis.com>

Sent: Wednesday, September 10, 2025 1:35 PM

To: Starr, Jennifer <Jennifer.Starr@raSmith.com>

Subject: Pricing for electrical items- Highpoint

Hi Jenny,

Please see Bruce's response and pricing on the new poles by the intersection. Also we will be adding a standard 12% markup which would put us at \$9,134.72 for this. As soon as you get plans for the LSI lighting we can get back to you with that pricing.

Thanks,
Grant

From: Bruce Marr <bruce.marr@highwaylight.net>

Sent: Tuesday, September 9, 2025 12:39 PM

To: Grant Manion <gmanion@vintonwis.com>

Subject: Standard change order

Grant

I have attached the prices, I have charged just for the material on the 10 footers since they are special order they are non returnable, the city can store them if they want, they do us no good since they are black and it does not pay to stock too much material, because once it gets to 2 years old we cannot use it anymore. Stupid rule the state has.

I charged the same amount for installation, the increase for the ped bases is because they were 217 when we bid the project, now they are 300. Ped bases and T-base prices are only good for ten minutes I think with how fast they are going up, the factory quotes a two year lead time if you place an order so they can pretty much ask whatever they want. 4 years ago a t-base was 155 now they are quoting 600, in January it was 500.

Also these have an 8-9 week lead time from the time of acceptance, please let me know as soon as you can.

If you have questions please feel free to call.

The reason we have to order new peds is because once they are attached to the standard they are not removable, and they were attached when they sent them to the painter a few weeks ago.



Bruce Marr

Operations Manager

Phone: 920-261-9989

Mobile: 920-248-6579

Fax : 920-261-9904
Bruce.Marr@highwaylight.net

1532 Utah Street

Watertown Wi 53094

Starr, Jennifer

From: Kevin Driscoll <kdriscoll@Germantownwi.gov>
Sent: Wednesday, November 19, 2025 3:09 PM
To: Bruce Marr; Grant Manion
Cc: Starr, Jennifer; Scott Anderson
Subject: Re: LSI Lighting Update HPP

Grant,

Bruce confirmed the variance is consistent with Scott's comment, so please proceed with the order, so this work can get installed.

Kevin R. Driscoll, P.E.

Village Engineer
(262) 250-4724 - office
(414) 745-9999 - mobile

N112 W17001 Mequon Road
Germantown, WI 53022-0337

Village of



From: Bruce Marr <bruce.marr@highwaylight.net>
Sent: Tuesday, November 18, 2025 9:28 AM
To: Grant Manion <gmanion@vintonwis.com>
Cc: Kevin Driscoll <kdriscoll@Germantownwi.gov>; Starr, Jennifer <jennifer.starr@rasmith.com>
Subject: Re: LSI Lighting Update HPP

**CAUTION: This email originated from outside the organization
Do not click links or open attachments unless you recognize the sender and know the content is safe**

Grant

That is exactly what it means, the S is for single, the ones in the median have two arms.



**Bruce Marr
Operations Manager**

Phone: 920-261-9989
Mobile: 920-248-6579
Fax : 920-261-9904
Bruce.Marr@highwaylight.net

1532 Utah Street
Watertown Wi 53094

From: Grant Manion <gmanion@vintonwis.com>
Date: Monday, November 17, 2025 at 1:49 PM
To: Bruce Marr <bruce.marr@highwaylight.net>
Cc: Kevin Driscoll <kdriscoll@germantownwi.gov>, "Starr, Jennifer" <jennifer.starr@rasmith.com>
Subject: Fw: LSI Lighting Update HPP

Good Afternoon, Bruce,

The Village has looked over the submittals and has one comment below about the LSI lighting regarding the pole numbers.

Thanks, Grant

From: Kevin Driscoll <kdriscoll@Germantownwi.gov>
Sent: Monday, November 17, 2025 9:58 AM
To: Grant Manion <gmanion@vintonwis.com>
Cc: Starr, Jennifer <jennifer.starr@rasmith.com>
Subject: Fw: LSI Lighting Update HPP

See comment from the Highway Superintendent:

Submittal Part Number does not match the
[Village-of-Germantown---Development-Handbook](#)
5.4.2.2.4 Steel Round Light Pole by LSI; # 5RP-B5-S07G-28-S-BRZ-DGPG

Highway Superintendent checked the part numbers and all are a direct match, with the exception of the pole number. The pole number has differences as outlined below in red.
Clarify the basis for the difference, perhaps that this is due to a median application...?

Submittal number: 5RP-B5-SO7G-28-DXX-BRZ-DGP
Our current number: 5RP-B3-SO7G-28-S-BRZ-DGP

Kevin R. Driscoll, P.E.
Village Engineer
(262) 250-4724 - office
(414) 745-9999 - mobile

N112 W17001 Mequon Road
Germantown, WI 53022-0337

Village of



Germantown



Equal Opportunity Employer

9/9/25

High point pass road construction
Standard traffic pole change order

LINE #	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	BID AMOUNT
1	10 ft standards in black	EA	4	\$ 492.00	\$ 1,968.00
2	ped base in black	EA	4	\$ 217.00	\$ 868.00
3	15 ft standards installed	EA	4	\$ 953.00	\$ 3,812.00
4	ped bases in black	EA	4	\$ 377.00	\$ 1,508.00
				\$	-
				\$	-
				\$	-
				\$	-

Lead time 8-9 weeks

TOTAL QUOTE \$ 8,156.00

THANK YOU FOR YOUR CONSIDERATION.
PLEASE CALL IF YOU HAVE QUESTIONS.
GREG MELCHER, PRESIDENT
CELL: 920-988-6791

Highway Light makes every effort to comply with completion dates. Due to the volatility of materials from "factories and suppliers", Highway Light will not be responsible for penalties or liquidated damages due to material related delays. If you have any questions please call 920-988-6791.

LEGEND

- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE
- SIGNAL HEAD NUMBER
- CONTROL CABINET
- 24" X 42" PULL BOXES
- NONMETALLIC CONDUIT, 2" UNLESS OTHERWISE NOTED
- VEHICLE DETECTION ZONE
- VIDEO DETECTION CAMERA

- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR (COUNTDOWN TIMER)
- EVP DESIGNATOR
- EVP DETECTOR HEAD

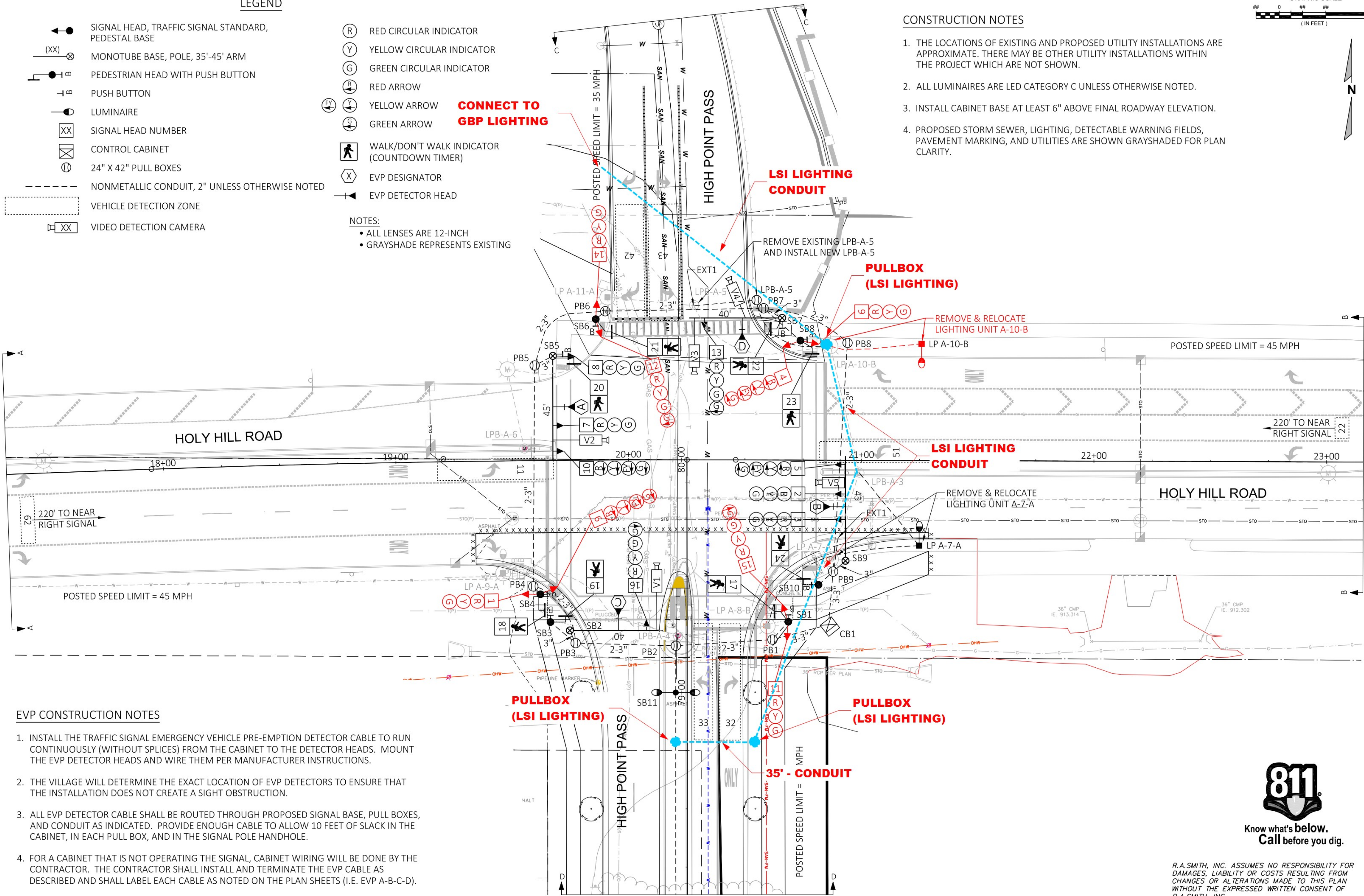
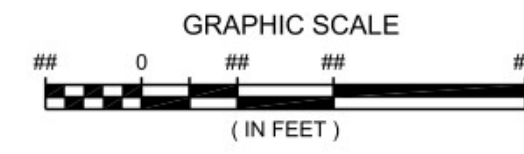
NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

CONNECT TO GBP LIGHTING

CONSTRUCTION NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
3. INSTALL CABINET BASE AT LEAST 6" ABOVE FINAL ROADWAY ELEVATION.
4. PROPOSED STORM SEWER, LIGHTING, DETECTABLE WARNING FIELDS, PAVEMENT MARKING, AND UTILITIES ARE SHOWN GRAYSHADED FOR PLAN CLARITY.



EVP CONSTRUCTION NOTES

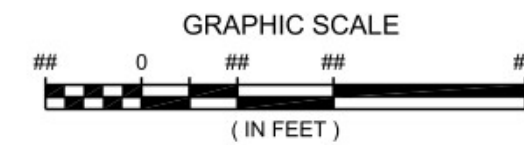
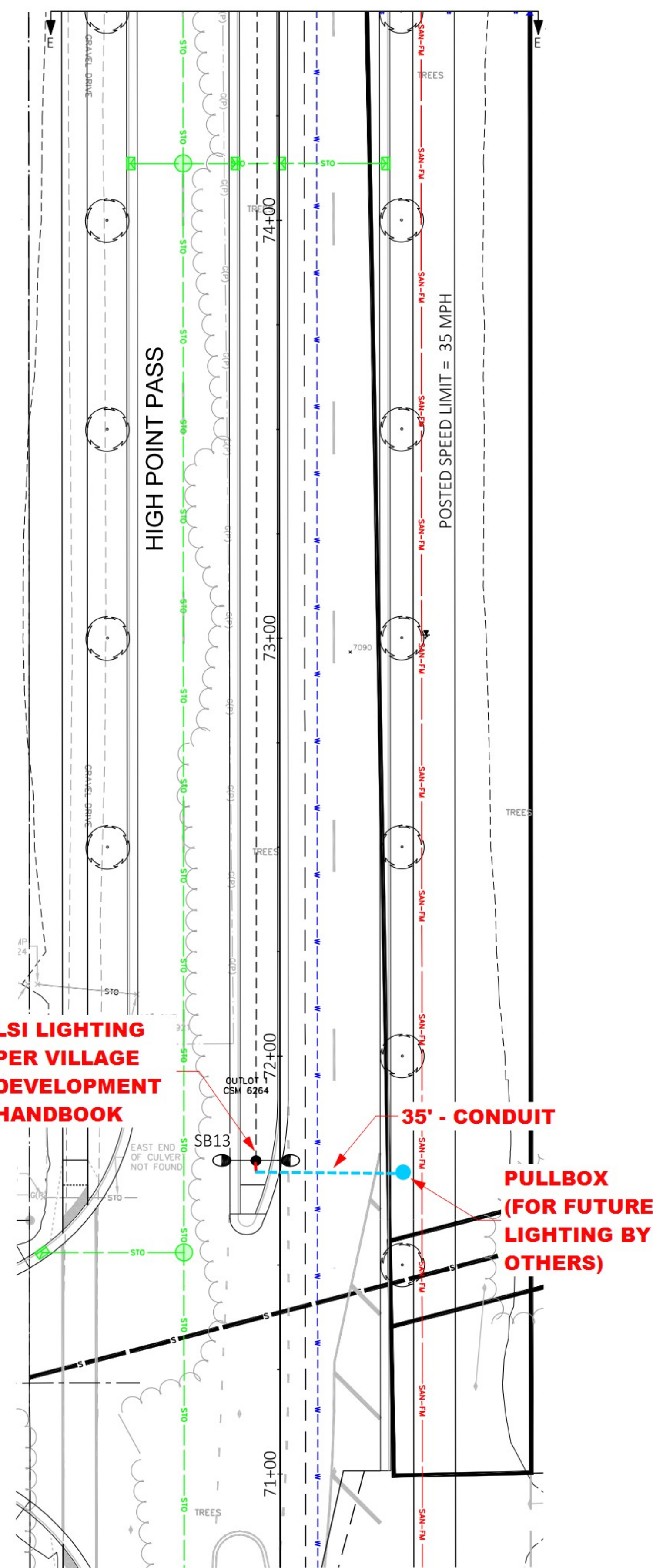
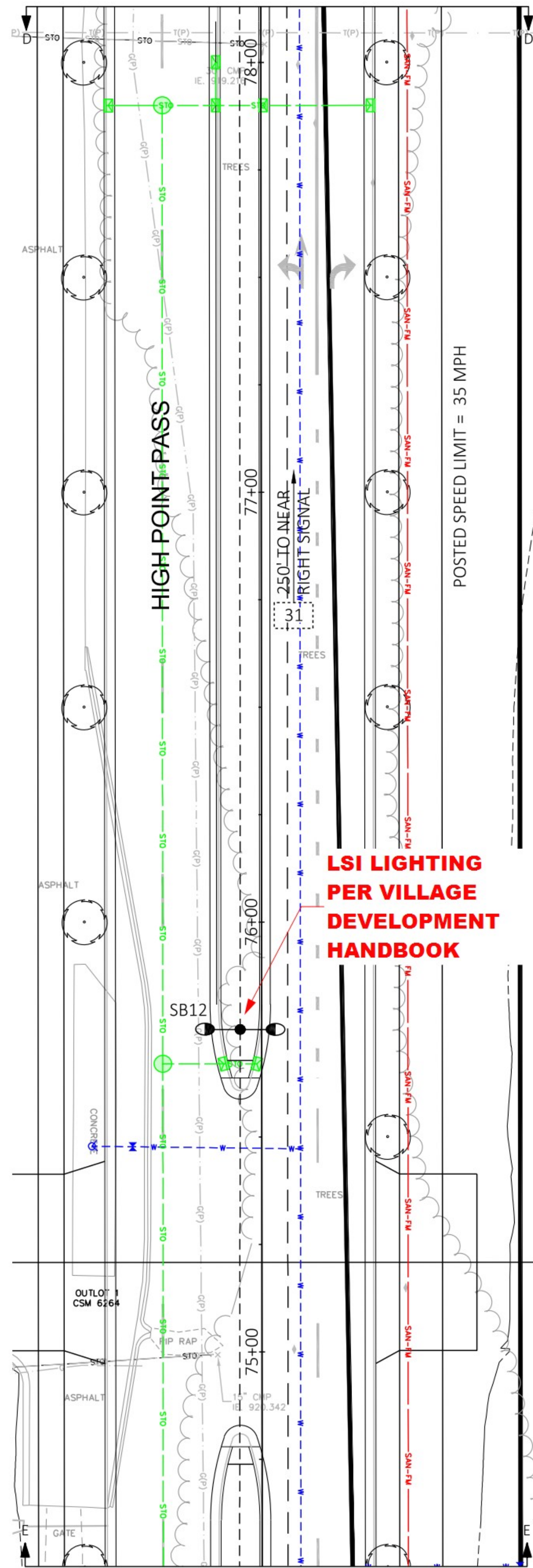
1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE VILLAGE WILL DETERMINE THE EXACT LOCATION OF EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASE, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).



**Know what's below.
Call before you dig.**

R.A.SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A.SMITH, INC.

DESCRIPTION									
DATE									
W62 N588 Washington Ave., Ste. 201 Cedarburg, WI 53012-2074 (262) 781-1000 rasmith.com									
CREATIVITY BEYOND ENGINEERING Brookfield, WI Milwaukee, WI Appleton, WI Madison, WI Cedarburg, WI Naperville, IL Irvine, CA									
HIGH POINT PASS VILLAGE OF GERMANTOWN					TRAFFIC SIGNAL PLAN HOLY HILL RD & HIGH POINT PASS				
© COPYRIGHT 2025 R.A. Smith, Inc. DATE: 4/28/2025 SCALE: ##### JOB NO. 2245358 PROJECT MANAGER: T. HARTJES DESIGNED BY: MCG CHECKED BY:									
SHEET NUMBER SP-01-R									



DATE	DESCRIPTION

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 Cedarburg, WI | Naperville, IL | Irvine, CA

HIGH POINT PASS
VILLAGE OF GERMANTOWN
TRAFFIC SIGNAL PLAN
HOLY HILL RD & HIGH POINT PASS



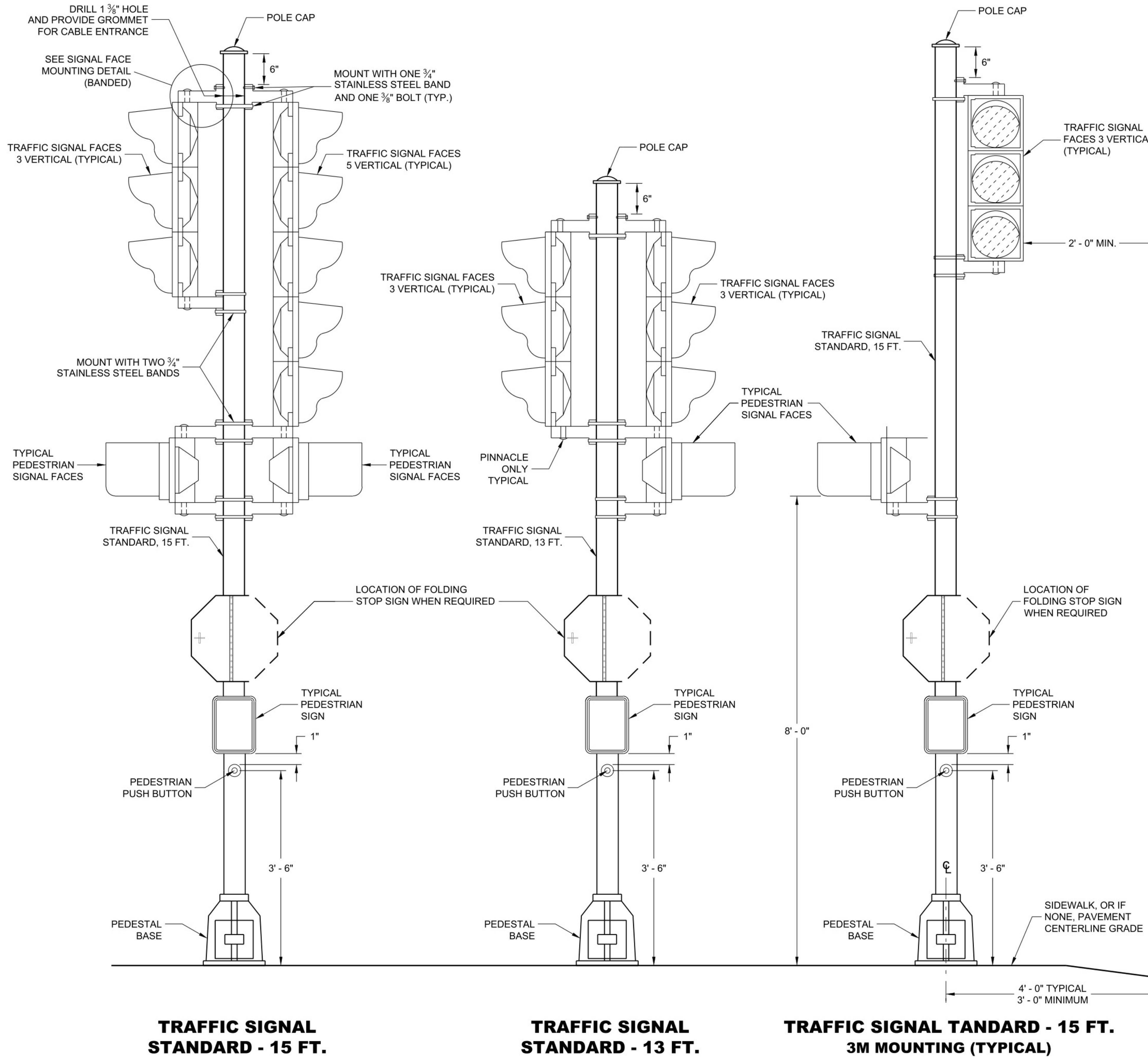
Know what's below.
 Call before you dig.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.

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DATE: 2/10/2025
SCALE: #####
JOB NO. 2235621
PROJECT MANAGER: T. HARTJES
DESIGNED BY: MCG
CHECKED BY:
SHEET NUMBER
19



SDD 09E06 Traffic Signal Standard Poly Bracket Mountings (Typical) for 13ft. or 15ft.



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

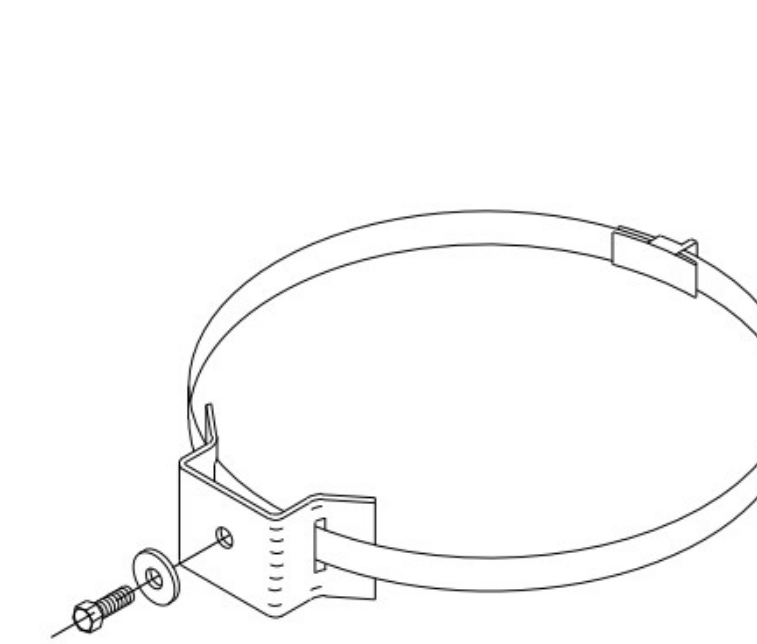
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

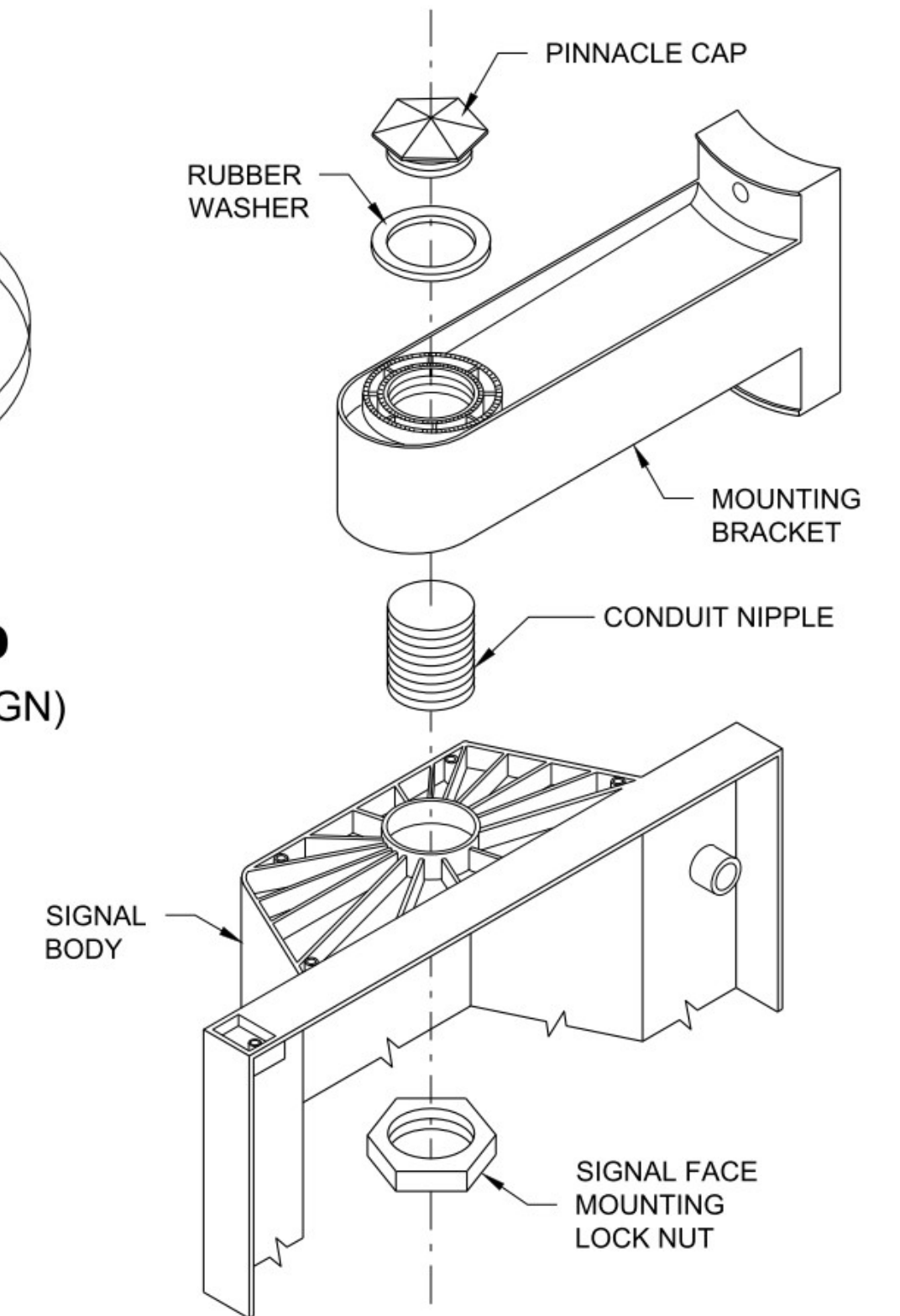
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/2" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 /S/ Ahmet Demirebilek
DATE STATE ELECTRICAL ENGINEER

FHWA

6

6

SDD 09E06 - 05

SDD 09E06 - 05



BOM 1 - Village of Germantown - Highpoint LSI

Village of Germantown - Highpoint

USA

Prepared By

Maria Ramirez - Graybar - MIWI
maria.ramireznolesco@graybar.com
650 S 108th St
Milwaukee, WI 53214, USA



BOM 1 - Village of Germantown - Highpoint LSI

Village of Germantown - Highpoint

Table of Contents

Datasheets

New Section			
Type	Manufacturer	Model Number	Pg.
	LSI	5RP B3 S07G28 DXX BRZ DGP	2
INCLUDED IN KIT	LSI	ABKIT 5RP S07G STL GAL 1X30 11BC	8
INCLUDED IN KIT	LSI	KIT BCVR 5SRBC BRZ	
INCLUDED IN KIT	LSI	BKS PQMH NEW B3 B5 MTG RND POLE BRZ	14
INCLUDED IN KIT	LSI	MRM LED 12L SIL 3 UNV DIM 40 70CRI BRZ	15
		DXX = VERIFY FIXTURE DRILLING ORIENTATION PRIOR TO ORDERING. "D90" = 2@90 DEG, "D180" = 2@180 DEG.	



BOM 1 - Village of Germantown - Highpoint LSI

Village of Germantown - Highpoint

Notes Summary



BOM 1 - Village of Germantown - Highpoint LSI
Village of Germantown - Highpoint

Datasheets

New Section



Catalog # : _____ Project : _____ Type : _____
 Prepared By : _____ Date : _____

Steel Round Straight Poles (RP/RPU)

New Build and Retrofit



OVERVIEW	
Height (ft)	8 - 30
Thickness (Ga)	7, 10, 11
Diameter (in)	4 or 5

QUICK LINKS

- Ordering Guide
- Performance
- Photometrics
- Dimensions

FEATURES & SPECIFICATIONS

Pole Shaft

- Steel round poles are 4" or 5" in diameter.
- Pole shaft is electro-welded ASTM-A500 Grade C Steel Tubing with a minimum yield strength of 46,000 psi.
- On Tenon Mount steel poles, tenon is high-strength pipe. Tenon N option is 2-3/8" O.D. x 4-3/4" tall. Tenon 4N option is 4" O.D. x 4-7/8" tall.

Hand-Hole

- Standard hand-hole location is 12" above pole base.
- Poles 18' and above have a 3x6 reinforced hand hole.

Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional. Decorative base cover is also available.

Anchor Bolts

- Anchor bolts are not provided as standard on pole orders. Anchor bolts must be ordered as an accessory, anchor bolts feature zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor Bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 PSI.

Ground Lug

- Ground lug is standard.

Duplex Receptacle

- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter

- Self-testing Ground fault circuit interrupter is optional.

Finishes

- Every pole is provided with the DuraGrip Protection System and a 5-year limited warranty. NOTE: Warranty only applies to the finish.
- When the top-of-the line DuraGrip Plus Protection System is selected, in addition to the DuraGrip Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years. NOTE: Warranty only applies to the finish.

Determining The Luminaire/Pole Combination For Your Application

- Select luminaire from luminaire ordering information.
- Select bracket configuration if required
- Determine EPA value from luminaire/ bracket EPA chart
- Select Pole Height

- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets.

Pole Vibration Damper

- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Warranty

- LSI poles come standard with a 1 year materials and workmanship warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- UL Listed
- BAA/TAA Compliant
- BABAA Compliant *If Specified



Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type : _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: 4RP B3 S07G 24 S PLP DGP						
Prefix	Mounting Method	Material	Height ⁵	Mounting Configuration	Finish	Options
4RP ¹ - 4" Diameter Round Straight Pole (New Build)	Bolt-On Mount² - See Pole Selection Guide for Patterns and Fixture Matches	S07G - 07 Ga. Steel (SRP/SRPU Only)	8' 10' 12' 14' 15' 16' 17' 17' 6" 18' 20' 22' 22' 6" 24' 25' 26' 27'	S - Single/Parallel D180 - Double D90 - Double DN90 - Double T90 - Triple TN120 - Triple Q90 - Quad QN90 - Quad	BRZ - Bronze BLK - Black PLP - Platinum Plus WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver BZA - Alternate Bronze GMG - Gun Metal Gray	GA - Galvanized Anchor Bolts SF ⁷ - Single Flood DF ⁷ - Double Flood DGP - DuraGrip [®] Plus LAB - Less Anchor Bolts CRXX ⁸ - Conduit Raceway USA - BABAA Compliant ⁹
5RP - 5" Diameter Round Straight Pole (New Build)	B5 - 5" Traditional Drilling Pattern B3 - 3" Reduced Drilling Pattern	S10G - 10 Ga. Steel (4RP/4RPU Only) S11G - 11 Ga. Steel (SRP/SRPU Only)	17' 6" 18' 20' 22' 22' 6" 24' 25' 26' 27'	N ⁶ - Tenon Mount (Standard Tenon size is 2-3/8" O.D.) 4N ⁷ - Tenon Mount (SRPT only. For 4" poles only, use 4RPI) 4N-6 - Tenon Mount (SRPT only. For 4" poles use 4RPI)		
5RPU - 5" Diameter Round Straight Pole (Retrofit)	T - Tenon Mount - See Pole Selection Guide for Tenon and Fixture/Bracket Matches I² - No Mounting Holes - Use with: BKA-IFM4 ³ - Flush Mount Adapter ² Greenlee Lifestyle CH Mounting Style Enterprise, Lexington, Constitution PT Single Mounting ⁴		28' 30'	Blank - Use with I for Mounting Method		



Need more information?
[Click here for our glossary.](#)

Have additional questions?
 Call us at (800) 436-7800



ACCESSORY ORDERING INFORMATION

Part Number	Description
158450CLR	4" SRBC Square Base Cover
158451CLR	5" SRBC Square Base Cover
450563CLR	5" SRBCU 5 Inch Universal Baseplate Square Cover
483859CLR	4" /5" GBC Decorative Base Cover
122557CLR	ER2 - Weatherproof Duplex Receptacle (Poles below 18')
122566CLR	ER2 - Weatherproof Duplex Receptacle for Reinforced Hand-hole (Poles 18' and above)
122558CLR	GFI - Ground Fault Circuit Interrupter (Poles below 18')
122567CLR	GFI - Ground Fault Circuit Interrupter for Reinforced Hand-hole (Poles 18' and above)
132336	MH5 - Mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs)
681126	MH3 - Mounting Hole Plugs for use with 3" reduced drill pattern (3 sets of 3 plugs)
725841	MH2 - Mounting Hole Plugs for use with 2" reduced drill pattern (3 sets of 3 plugs)
Consult Factory for EPA Calculations	BB - Banner Brackets

ANCHOR BOLT KIT ORDERING INFORMATION

Part Number	Description
AB KIT 122582	4RP S10G Anchor Bolts (Steel Plated)
AB KIT 122607	4RP S10G Anchor Bolts (Galvanized)
AB KIT 135460	5RP S11G Anchor Bolts (Steel Plated)
AB KIT 135461	5RP S11G Anchor Bolts (Galvanized)
AB KIT 122583	5RP S07G Anchor Bolts (Steel Plated)
AB KIT 122608	5RP S07G Anchor Bolts (Galvanized)

1 Use with BKA-IFM4.
 2 See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern Spec Sheets.
 3 Only use with 4 inch pole.
 4 For Enterprise, Lexington, and Constitution PT mounting configuration styles, see Tenon Mount (4N) and Lifestyle Slipfit Pole Series.
 5 Pole heights will have a +/- 1/2" tolerance. Max height for 4RP S10G is 24'. Max height of the SRP S11G is 26'.
 6 See Flood Lighting Brackets section for choice of FBO Brackets.

7 For Enterprise and Lexington D180 or other mounting configuration styles using BK MPT BO accessories order with B3 or B5 drill pattern.
 8 Standard Flat black pole cap provided. Domed Greenlee pole cap will ship with SA4 and SAS Enterprise and Lexington fixtures, SA Lifestyle Fixtures, BK MPT BO, and UCL Brackets.
 9 USA option only available on 4RP poles up to 24'

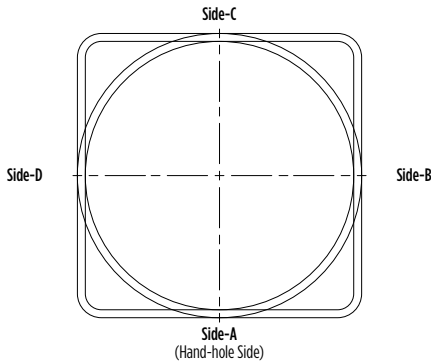
Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type : _____

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DRILLING LOCATIONS

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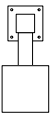


Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90 ¹				
T90	X	X		X
TN120 ²				
Q90	X	X	X	X
QN90 ³				
Single FBO ⁴	X			
Double FBO ⁴		X		X

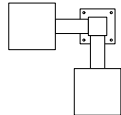
FIXTURE CONFIGURATIONS

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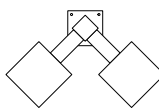
Single



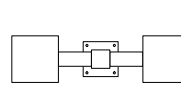
D90



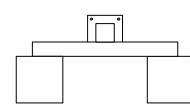
DN90



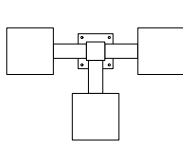
D180



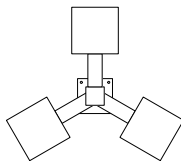
Parallel



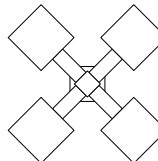
T90



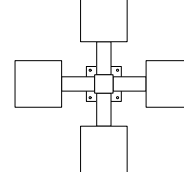
TN120



QN90



Q90



1 Two locations will be 45° to the left and right of Side A.
 2 Other two locations will be 120° to the left and right of Side A.
 3 Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.
 4 Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

Steel Round Straight Poles (RP/RPU) New Build and Retrofit

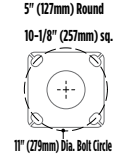
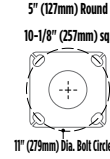
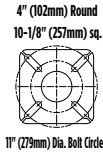
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BOLT CIRCLE

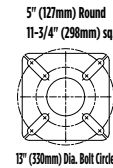
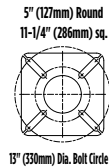
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STANDARD BASEPLATE



Bolt Circle Designator	K	L	M
Bolt Circle	Slotted 7" - 11" (178mm-279mm)	Slotted 11" (279mm)	Slotted 11" (279mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609mm)	3/4" x 24" (19mm x 609mm)	1"x30" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)
Pole Gauge	10	11	7

UNIVERSAL BASEPLATE



Bolt Circle Designator	P	R
Bolt Circle	Slotted 7-1/2" - 13" (191mm-330mm)	Slotted 8" - 13" (203mm-330mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609mm)	1"x30" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83mm)	4" (102mm)
Base Plate Opening for Wireway Entry	4-3/4" (121mm)	4-5/8" (117mm)
Base Plate Dimensions	11-1/4" sq. x 3/4" thk. (286mm x 19mm)	11-3/4" sq. x 1" thk. (296mm x 25mm)
Pole Gauge	11	7

Steel Round Straight Poles (RP/RPU) New Build and Retrofit

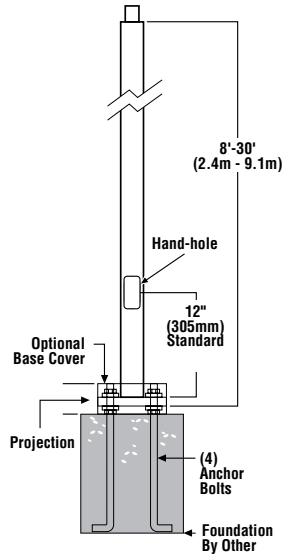
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PRODUCT DIMENSIONS

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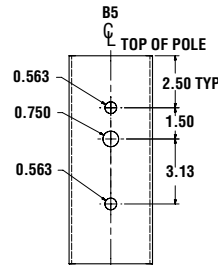
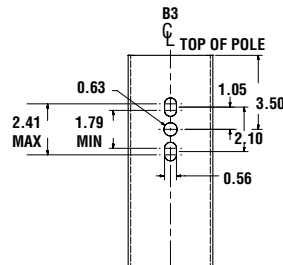
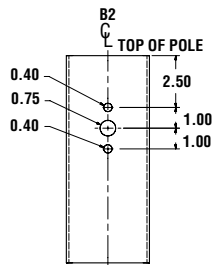
RPT -
 N = 2-3/8"(60mm) O.D. x 4-3/4"(121mm) Tenon
 4N = 4"(102mm) O.D. x 4-7/8"(124mm) Tenon
 4N6 = 4"(102mm) O.D. x 6-3/8"(162mm) Tenon



SHIPPING WEIGHTS

4"(102mm) Dia. 10 Ga. is approximately	6.0 lbs./ft.
5"(127mm) Dia. 11 Ga. is approximately	7.0 lbs./ft.
5"(127mm) Dia. 07 Ga. is approximately	10.0 lbs./ft.
Anchor Bolts (3/4" x 24")(19mm x 609mm)	13 lbs.(6kg)/set
Anchor Bolts (1" x 30") (25mm x 762mm)	30 lbs.(14kg)/set

Bolt-On Mount 2-Bolt Pattern



Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type : _____

Have questions? Call us at (800) 436-7800

WIND SPEED

[Back to Quick Links](#)

EPA Information

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

Use ONLY with "Wind Speed Map for ASCE 7-10

POLE ¹	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA								
			Designator	Dia. (in)	Anchor bolt Dia {in}	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
4" x 10-ga x 14'	14	10	L	11	0.75	6.0	5.2	4.7	3.9	3.2	2.7	2.3	2.0	1.7
4" x 10-ga x 16'	16	10	L	11	0.75	4.3	3.7	3.2	2.6	2.1	1.8	1.4	1.2	1.0
4" x 10-ga x 18'	18	10	L	11	0.75	7.7	6.8	6.0	5.0	4.2	3.5	3.0	2.5	2.2
4" x 10-ga x 20'	20	10	L	11	0.75	6.0	5.2	4.6	3.7	3.1	2.5	2.1	1.8	1.5
4" x 10-ga x 22'	22	10	L	11	0.75	4.6	3.9	3.3	2.6	2.1	1.7	1.4	1.1	0.9
4" x 10-ga x 24'	24	10	L	11	0.75	3.4	2.7	2.2	1.7	1.3	1.0	0.7	0.5	n/a
5" x 11-ga x 16'	16	11	L	11	0.75	8.7	7.9	7.2	6.0	5.0	4.3	3.7	3.2	2.8
5" x 11-ga x 18'	18	11	L	11	0.75	12.2	11.1	10.1	8.5	7.2	6.1	5.3	4.6	4.0
5" x 11-ga x 20'	20	11	L	11	0.75	10.0	9.1	8.2	6.8	5.7	4.9	4.2	3.6	3.1
5" x 11-ga x 22'	22	11	L	11	0.75	8.1	7.3	6.6	5.5	4.5	3.8	3.2	2.8	2.4
5" x 11-ga x 24'	24	11	L	11	0.75	6.5	5.9	5.3	4.3	3.5	2.9	2.4	2.0	1.7
5" x 11-ga x 26'	26	11	L	11	0.75	5.2	4.6	4.1	3.2	2.6	2.1	1.7	1.4	1.1
5" x 7-ga x 18'	18	7	M	11	1.00	19.7	17.9	16.4	13.8	11.7	10.1	8.8	7.7	6.8
5" x 7-ga x 20'	20	7	M	11	1.00	16.5	15.0	13.7	11.5	9.8	8.4	7.3	6.3	5.6
5" x 7-ga x 22'	22	7	M	11	1.00	14.0	12.7	11.5	9.6	8.1	7.0	6.0	5.2	4.6
5" x 7-ga x 24'	24	7	M	11	1.00	11.8	10.6	9.6	8.0	6.8	5.7	4.9	4.2	3.7
5" x 7-ga x 26'	26	7	M	11	1.00	9.9	8.9	8.0	6.7	5.6	4.7	4.0	3.4	2.9
5" x 7-ga x 28'	28	7	M	11	1.00	8.3	7.4	6.7	5.4	4.5	3.7	3.1	2.7	2.3
5" x 7-ga x 30'	30	7	M	11	1.00	6.8	6.1	5.4	4.4	3.6	2.9	2.4	2.0	1.7

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

Note:

1- Poles shorter than these listed here in for each gauge have EPA rating equal to or greater than what is provided in this table. To Confirm EPA ratings on shorter poles, contact LSI Industries.



Job Name : Village of Germantown - Highpoint
Manufacturer : LSI
Model Number : ABKIT 5RP S07G STL GAL 1X30 11BC

Datasheets
Type :
INCLUDED IN KIT



Catalog #: _____ Project: _____ Type: _____
 Prepared By: _____ Date: _____

Steel Round Straight Poles (RP/RPU)

New Build and Retrofit



OVERVIEW	
Height (ft)	8 - 30
Thickness (Ga)	7, 10, 11
Diameter (in)	4 or 5

QUICK LINKS

[Ordering Guide](#)

[Performance](#)

[Photometrics](#)

[Dimensions](#)

FEATURES & SPECIFICATIONS

Pole Shaft

- Steel round poles are 4" or 5" in diameter.
- Pole shaft is electro-welded ASTM-A500 Grade C Steel Tubing with a minimum yield strength of 46,000 psi.
- On Tenon Mount steel poles, tenon is high-strength pipe. Tenon N option is 2-3/8" O.D. x 4-3/4" tall. Tenon 4N option is 4" O.D. x 4-7/8" tall.

Hand-Hole

- Standard hand-hole location is 12" above pole base.
- Poles 18' and above have a 3x6 reinforced hand hole.

Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional. Decorative base cover is also available.

Anchor Bolts

- Anchor bolts are not provided as standard on pole orders. Anchor bolts must be ordered as an accessory, anchor bolts feature zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor Bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 PSI.

Ground Lug

- Ground lug is standard.

Duplex Receptacle

- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter

- Self-testing Ground fault circuit interrupter is optional.

Finishes

- Every pole is provided with the DuraGrip Protection System and a 5-year limited warranty. NOTE: Warranty only applies to the finish.
- When the top-of-the line DuraGrip Plus Protection System is selected, in addition to the DuraGrip Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years. NOTE: Warranty only applies to the finish.

Determining The Luminaire/Pole Combination For Your Application

- Select luminaire from luminaire ordering information.
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart
- Select Pole Height

- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets.

Pole Vibration Damper

- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Warranty

- LSI poles come standard with a 1 year materials and workmanship warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- UL Listed
- BAA/TAA Compliant
- BABAA Compliant *If Specified



Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type: _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: 4RP B3 S07G 24 S PLP DGP						
Prefix	Mounting Method	Material	Height ⁵	Mounting Configuration	Finish	Options
4RP - 4" Diameter Round Straight Pole (New Build)	Bolt-On Mount² - See Pole Selection Guide for Patterns and Fixture Matches B5 - 5" Traditional Drilling Pattern B3 - 3" Reduced Drilling Pattern B2 - 2" Reduced Drilling Pattern	S07G - 07 Ga. Steel (5RP/5RPU Only)	8'	S - Single/Parallel D180 - Double D90 - Double DN90 - Double T90 - Triple TN120 - Triple Q90 - Quad QN90 - Quad	BRZ - Bronze BLK - Black PLP - Platinum Plus WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver BZA - Alternate Bronze GMG - Gun Metal Gray	GA - Galvanized Anchor Bolts SP⁷ - Single Flood DF⁷ - Double Flood DGP - DuraGrip [®] Plus LAB - Less Anchor Bolts CRXX⁸ - Conduit Raceway USA - BABAA Compliant ⁹
5RP - 5" Diameter Round Straight Pole (New Build)		S10G - 10 Ga. Steel (4RP/4RPU Only)	12'			
5RPU - 5" Diameter Round Straight Pole (Retrofit)	T - Tenon Mount - See Pole Selection Guide for Tenon and Fixture/Bracket Matches P - No Mounting Holes - Use with: BKA-IFM4 ³ - Flush Mount Adapter ³ ; Greenlee Lifestyle CH Mounting Style Enterprise, Lexington, Constitution PT Single Mounting ⁴	S11G - 11 Ga. Steel (5RP/5RPU Only)	14'	N⁶ - Tenon Mount (Standard Tenon size is 2-3/8" O.D.) 4N⁶ - Tenon Mount (5RP only. For 4" poles only, use 4RPI) 4N-6 - Tenon Mount (5RPT only. For 4" poles use 4RPI) Blank - Use with I for Mounting Method		
			15'			
			16'			
			17'			
			17' 6"			
			18'			
			20'			
			22'			
			22' 6"			
			24'			
			25'			
			26'			
			27'			
		28'				
		30'				



Need more information?
[Click here for our glossary.](#)

Have additional questions?
 Call us at (800) 436-7800



ACCESSORY ORDERING INFORMATION

Part Number	Description
158450CLR	4" SRBC Square Base Cover
158451CLR	5" SRBC Square Base Cover
450563CLR	5" SRBCU 5 Inch Universal Baseplate Square Cover
483859CLR	4" /5" GBC Decorative Base Cover
122557CLR	ER2 - Weatherproof Duplex Receptacle (Poles below 18')
122566CLR	ER2 - Weatherproof Duplex Receptacle for Reinforced Hand-hole (Poles 18' and above)
122558CLR	GFI - Ground Fault Circuit Interrupter (Poles below 18')
122567CLR	GFI - Ground Fault Circuit Interrupter for Reinforced Hand-hole (Poles 18' and above)
132336	MH5 - Mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs)
681126	MH3 - Mounting Hole Plugs for use with 3" reduced drill pattern (3 sets of 3 plugs)
725841	MH2 - Mounting Hole Plugs for use with 2" reduced drill pattern (3 sets of 3 plugs)
Consult Factory for EPA Calculations	BB - Banner Brackets

ANCHOR BOLT KIT ORDERING INFORMATION

Part Number	Description
AB KIT 122582	4RP S10G Anchor Bolts (Steel Plated)
AB KIT 122607	4RP S10G Anchor Bolts (Galvanized)
AB KIT 135460	5RP S11G Anchor Bolts (Steel Plated)
AB KIT 135461	5RP S11G Anchor Bolts (Galvanized)
AB KIT 122583	5RP S07G Anchor Bolts (Steel Plated)
AB KIT 122608	5RP S07G Anchor Bolts (Galvanized)

1 Use with BKA-IFM4.

2 See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern Spec Sheets.

3 Only use with 4 inch pole.

4 For Enterprise, Lexington, and Constitution PT mounting configuration styles, see Tenon Mount (4N) and Lifestyle Slipfit Pole Series.

5 Pole heights will have a +/- 1/2" tolerance. Max height for 4RP S10G is 24'. Max height of the 5RP S11G is 26'.

6 See Flood Lighting Brackets section for choice of F80 Brackets.

7 For Enterprise and Lexington D180 or other mounting configuration styles using BK MPT 80 accessories order with B3 or B5 drill pattern.

8 Standard Flat black pole cap provided. Domed Greenlee pole cap will ship with SA4 and SA5 Enterprise and Lexington fixtures, SA Lifestyle Fixtures, BK MPT 80, and UCL Brackets.

9 USA option only available on 4RP poles up to 24'

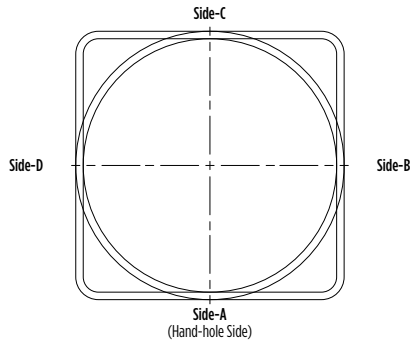
Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type: _____

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DRILLING LOCATIONS

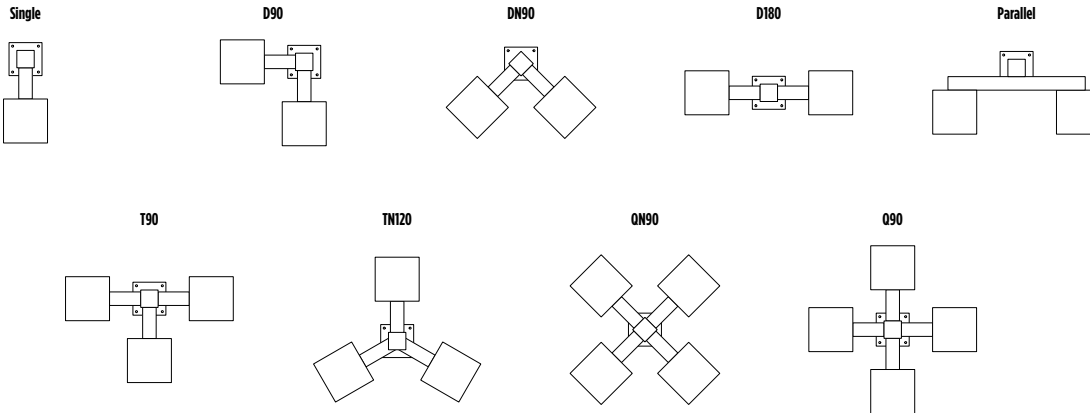
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Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90 ¹				
T90	X	X		X
TN120 ²				
Q90	X	X	X	X
QN90 ³				
Single FBO ⁴	X			
Double FBO ⁴		X		X

FIXTURE CONFIGURATIONS

[Back to Quick Links](#)



1 Two locations will be 45° to the left and right of Side A.
 2 Other two locations will be 120° to the left and right of Side A.
 3 Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.
 4 Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.



Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type: _____

Have questions? Call us at (800) 436-7800

BOLT CIRCLE

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STANDARD BASEPLATE

4" (102mm) Round
 10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

5" (127mm) Round
 10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

5" (127mm) Round
 10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

Bolt Circle Designator	K	L	M
Bolt Circle	Slotted 7" - 11" (178mm-279mm)	Slotted 11" (279mm)	Slotted 11" (279mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609mm)	3/4" x 24" (19mm x 609mm)	1"x30" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)
Pole Gauge	10	11	7

UNIVERSAL BASEPLATE

5" (127mm) Round
 11-1/4" (286mm) sq.



13" (330mm) Dia. Bolt Circle

5" (127mm) Round
 11-3/4" (298mm) sq.



13" (330mm) Dia. Bolt Circle

Bolt Circle Designator	P	R
Bolt Circle	Slotted 7-1/2" - 13" (191mm-330mm)	Slotted 8" - 13" (203mm-330mm)
Anchor Bolt Size	3/4" x 24" (19mm x 609mm)	1"x30" (25mm x 762mm)
Anchor Bolt Projection	3-1/4" (83mm)	4" (102mm)
Base Plate Opening for Wireway Entry	4-3/4" (121mm)	4-5/8" (117mm)
Base Plate Dimensions	11-1/4" sq. x 3/4" thk. (286mm x 19mm)	11-3/4" sq. x 1" thk. (298mm x 25mm)
Pole Gauge	11	7

Steel Round Straight Poles (RP/RPU) New Build and Retrofit

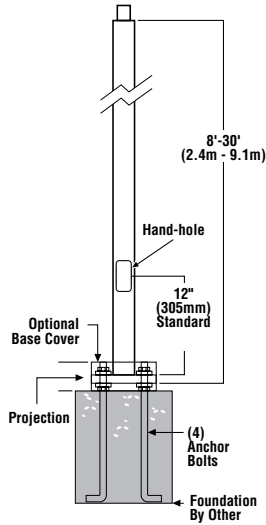
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PRODUCT DIMENSIONS

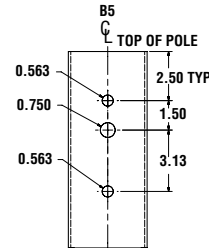
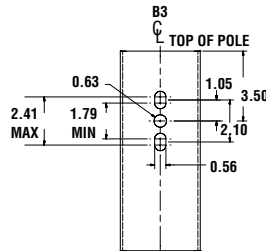
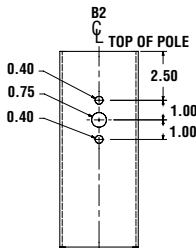
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RPT -
N = 2-3/8"(60mm) O.D. x 4-3/4"(121mm) Tenon
4N = 4"(102mm) O.D. x 4-7/8"(124mm) Tenon
4N6 = 4"(102mm) O.D. x 6-3/8"(162mm) Tenon



SHIPPING WEIGHTS	
4"(102mm) Dia. 10 Ga. is approximately	6.0 lbs./ft.
5"(127mm) Dia. 11 Ga. is approximately	7.0 lbs./ft.
5"(127mm) Dia. 07 Ga. is approximately	10.0 lbs./ft.
Anchor Bolts (3/4" x 24")(19mm x 609mm)	13 lbs.(6kg)/set
Anchor Bolts (1" x 30")(25mm x 762mm)	30 lbs.(14kg)/set

Bolt-On Mount 2-Bolt Pattern



Job Name : Village of Germantown - Highpoint
Manufacturer : LSI
Model Number : ABKIT 5RP S07G STL GAL 1X30 11BC

Datasheets
Type :
INCLUDED IN KIT

Steel Round Straight Poles (RP/RPU) New Build and Retrofit

Type : _____

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WIND SPEED

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EPA Information

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPA's are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

Use ONLY with "Wind Speed Map for ASCE 7-10

POLE ¹	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA								
			Designator	Dia. (in)	Anchor bolt Dia {in}	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
4" x 10-ga x 14'	14	10	L	11	0.75	6.0	5.2	4.7	3.9	3.2	2.7	2.3	2.0	1.7
4" x 10-ga x 16'	16	10	L	11	0.75	4.3	3.7	3.2	2.6	2.1	1.8	1.4	1.2	1.0
4" x 10-ga x 18'	18	10	L	11	0.75	7.7	6.8	6.0	5.0	4.2	3.5	3.0	2.5	2.2
4" x 10-ga x 20'	20	10	L	11	0.75	6.0	5.2	4.6	3.7	3.1	2.5	2.1	1.8	1.5
4" x 10-ga x 22'	22	10	L	11	0.75	4.6	3.9	3.3	2.6	2.1	1.7	1.4	1.1	0.9
4" x 10-ga x 24'	24	10	L	11	0.75	3.4	2.7	2.2	1.7	1.3	1.0	0.7	0.5	n/a
5" x 11-ga x 16'	16	11	L	11	0.75	8.7	7.9	7.2	6.0	5.0	4.3	3.7	3.2	2.8
5" x 11-ga x 18'	18	11	L	11	0.75	12.2	11.1	10.1	8.5	7.2	6.1	5.3	4.6	4.0
5" x 11-ga x 20'	20	11	L	11	0.75	10.0	9.1	8.2	6.8	5.7	4.9	4.2	3.6	3.1
5" x 11-ga x 22'	22	11	L	11	0.75	8.1	7.3	6.6	5.5	4.5	3.8	3.2	2.8	2.4
5" x 11-ga x 24'	24	11	L	11	0.75	6.5	5.9	5.3	4.3	3.5	2.9	2.4	2.0	1.7
5" x 11-ga x 26'	26	11	L	11	0.75	5.2	4.6	4.1	3.2	2.6	2.1	1.7	1.4	1.1
5" x 7-ga x 18'	18	7	M	11	1.00	19.7	17.9	16.4	13.8	11.7	10.1	8.8	7.7	6.8
5" x 7-ga x 20'	20	7	M	11	1.00	16.5	15.0	13.7	11.5	9.8	8.4	7.3	6.3	5.6
5" x 7-ga x 22'	22	7	M	11	1.00	14.0	12.7	11.5	9.6	8.1	7.0	6.0	5.2	4.6
5" x 7-ga x 24'	24	7	M	11	1.00	11.8	10.6	9.6	8.0	6.8	5.7	4.9	4.2	3.7
5" x 7-ga x 26'	26	7	M	11	1.00	9.9	8.9	8.0	6.7	5.6	4.7	4.0	3.4	2.9
5" x 7-ga x 28'	28	7	M	11	1.00	8.3	7.4	6.7	5.4	4.5	3.7	3.1	2.7	2.3
5" x 7-ga x 30'	30	7	M	11	1.00	6.8	6.1	5.4	4.4	3.6	2.9	2.4	2.0	1.7

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

Note:

1- Poles shorter than these listed here in for each gauge have EPA rating equal to or greater than what is provided in this table. To Confirm EPA ratings on shorter poles, contact LSI Industries.



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SPEC.1068.C.0324



Catalog # : _____ Project : _____ Type : _____
 Prepared By : _____ Date : _____

BKS PQM*

Area Light Brackets



OVERVIEW	
EPA	0.2
Size (LxWxH)	3.9x1.8x8
Weight lbs	5 lbs

FEATURES & SPECIFICATIONS

- The Pole Quick Mount Bracket allows for lightning fast installation of LSI luminaires onto existing and new construction poles with LSI's B3 or B5 standard bolt patterns.
- Allows you to seamlessly integrate LSI luminaires onto existing/new construction square and round poles with (2) mounting hole spaces between 2.4: to 4.6".
- Rugged, thick gauge steel plates with (1) fixed and (1) adjustable nut and mounting hardware.
- Bracket finished with LSI's DuraGrip polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.

COMPATIBLE FIXTURES



TYPICAL ORDER EXAMPLE: BKS PQMH B2 SQ BLK			
Prefix	Mounting	Pole Shape	Finish
BKS PQMH - Pole Quick Mount Bracket	B3B5 - 3" and 5" Drilling Pattern B2 - 2" Drilling Pattern	SQ - Square RND - Round	BRZ - Bronze BLK - Black MSV - Metallic Silver GPT - Graphite WHT - White SVG - Satin Verde Green PLP - Platinum Plus
BKS PQMH15 - 15 Degree Tilt Pole Quick Mount Bracket			



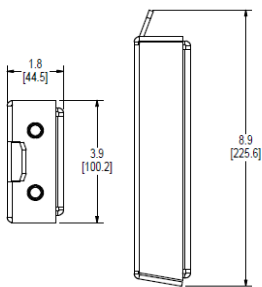
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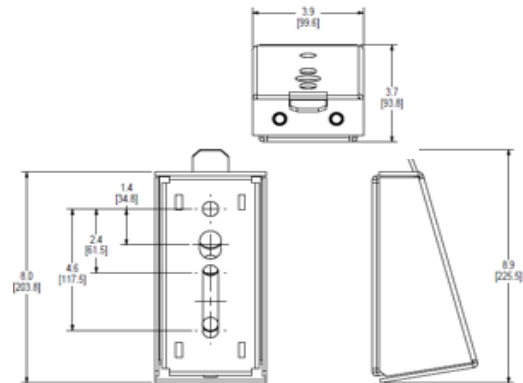
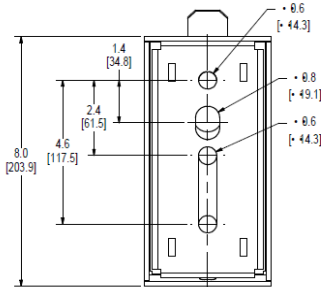


PRODUCT DIMENSIONS

PQM Drill Pattern



PQM15 Drill Pattern





Catalog # : _____ Project : _____ Type : _____
 Prepared By : _____ Date : _____

Mirada Medium (MRM)

Turtle Friendly LED Area Light



OVERVIEW	
Lumen Package	2,000 - 4,000
Wattage Range	36 - 94
Efficacy Range (LPW)	42 - 72
Weight lbs(kg)	30 (13.6)

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 5W, FT, FTA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Narrow Band amber LEDs.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40° F to +104° F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion. Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance

costs while optimizing light quality 24/7. (see controls section for more details).

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant.
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 66262 mechanical impact code



Mirada Medium Outdoor LED Area Light

Type: _____

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

[Back to Quick Links](#)
TYPICAL ORDER EXAMPLE: MRM LED 4L SIL FTA UNV DIM AMT ALSCS04 BRZ IL

Prefix	Light Source	Lumen Package	Lens	Distribution	Orientation ²	Voltage	Driver
MRM - Mirada Medium Area Light	LED	2L - 2,000 lms 4L - 4,000 lms Custom Lumen Packages ¹	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive AM - Automotive Merchandise	(blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)

Color Temp	Finish	Options
AMT - Narrow Band Amber	BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite	(Blank) - None IH - Integral Half Louver (Moderate Spill Light Cutoff) ² IL - Integral Louver (Sharp Spill Light Cutoff) ²

Controls (Choose One)
(Blank) - None

Wireless Controls System
ALSC - AirLink Synapse Control System

ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor

ALSCS04 - AirLink Synapse Control System with 20-40' Motion Sensor

ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)³
ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)⁵
Stand-Alone Controls
EXT - 0-10v Dimming leads extended to housing exterior

CR7P - 7 Pin Control Receptacle ANSI C136.41⁶
IMSBTL1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)⁷
IMSBTL2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)⁷
Button Type Photocells
PC120 - 120V

PC1208-277 - 208-277V

PC1347 - 347V

Need more information?

Click here for our glossary

Have additional questions?

Call us at (800) 436-7800



ACCESSORY ORDERING INFORMATION⁷

CONTROLS ACCESSORIES	
Order Number	Description
122514	PC120 Photocell for use with CR7P option (120V) ⁸
122515	PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) ⁸
122516	Twist Lock Photocell (347V) for use with CR7P ⁸
1225180	Twist Lock Photocell (480V) for use with CR7P ⁸
661409	AirLink 5 Pin Twist Lock Controller ⁸
661410	AirLink 7 Pin Twist Lock Controller ⁸
149328	Shorting Cap for use with CR7P

SHIELDING OPTIONS	
3" Single Shield	See Shielding Guide
3" Corner Shield	
3" C Shape Shield	
6" Single Shield	
6" Corner Shield	
6" C Shape Shield	

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.

2. Not available with 5W distribution

3. Consult Factory for availability.

4. Not available in HV.

5. Motion sensors are field configurable via an app that can be downloaded from your smartphone's native app store. See controls section for more details.

6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

7. Accessories are shipped separately and field installed.

8. Factory installed CR7P option required. See Options.

9. "CLR" denotes finish. See Finish options.



Mirada Medium Outdoor LED Area Light

Type: _____

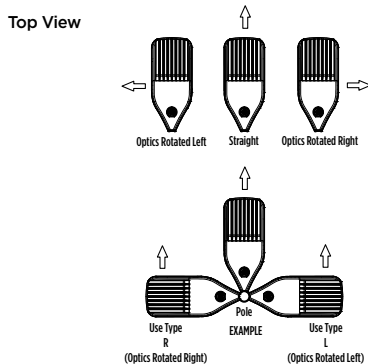
Have questions? Call us at (800) 436-7800

ACCESSORIES

MOUNTING ACCESSORIES		SHIELDING, POLES & MISC. ACCESSORIES			
Side Arm	Universal Mounting Bracket Mounts to ≥ 3" square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5" Part Number: BKA UMB CLR		Shielding		
	Quick Mount Plate True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6" Part Number: BKS PQM B3B5 XX CLR			Integral Louver Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs Part Number: 690981	
	15° Tilt Quick Mount Plate True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6" Part Number: BKS PQ15 B3B5 XX CLR			Integral Half Louver Field Install Integral Half Louver provides great backlight control without impacting front side distribution. Part Number: 743415	
Tenon / Slipfitter	Adjustable Slipfitter Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal) Part Number: BKA ASF CLR		Poles		
	Square Tenon Top Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires Part Number: BKA XNM *			External Shield External shield blocks view of light source from any side of luminaire, additional shielding configurations available Part Number: 783607BLK (3") / 776538BLK (6")	
	Square Internal Slipfitter Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires Part Number: BKA_X_ISF * CLR			Square Poles 14 - 39" steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction Part Number: 45Q/55Q/65Q	
Wall Mount / Wood Pole	Wall Mount Bracket Mounts onto vertical wall surface (hardware/anchors not included) Part Number: BKS XBO WM CLR		Round Poles 10 - 30" steel and aluminum poles in 4" and 5" sizes for retrofit and new construction Part Number: 4RP/5RP		
	Wood Pole Bracket Mounts onto wooden poles (6" minimum OD, hardware/anchors not included) Part Number: BKS XBO WP CLR		Tapered Poles 20" - 39" steel and aluminum poles for retrofit and new construction Part Number: RTP		
			Misc.	Bird Spikes 10' Linear Bird Spike Kit, 4' recommended per luminaire, includes silicone adhesive and application tool Part Number: 736795	

Replace CLR with paint finish description
 Replace XX with SQ for square pole or RD for round pole (≈3" OD)
 Replace * with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)
 Replace _ with 4 (4" square pole) or 5 (5" square pole)

OPTICS ROTATION



ACCESSORIES/OPTIONS

Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate

Luminaire Shown with Integral Louver (IL)



Luminaire Shown with IMSBTL Option



7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



Mirada Medium Outdoor LED Area Light

Type: _____

Have questions? Call us at (800) 436-7800

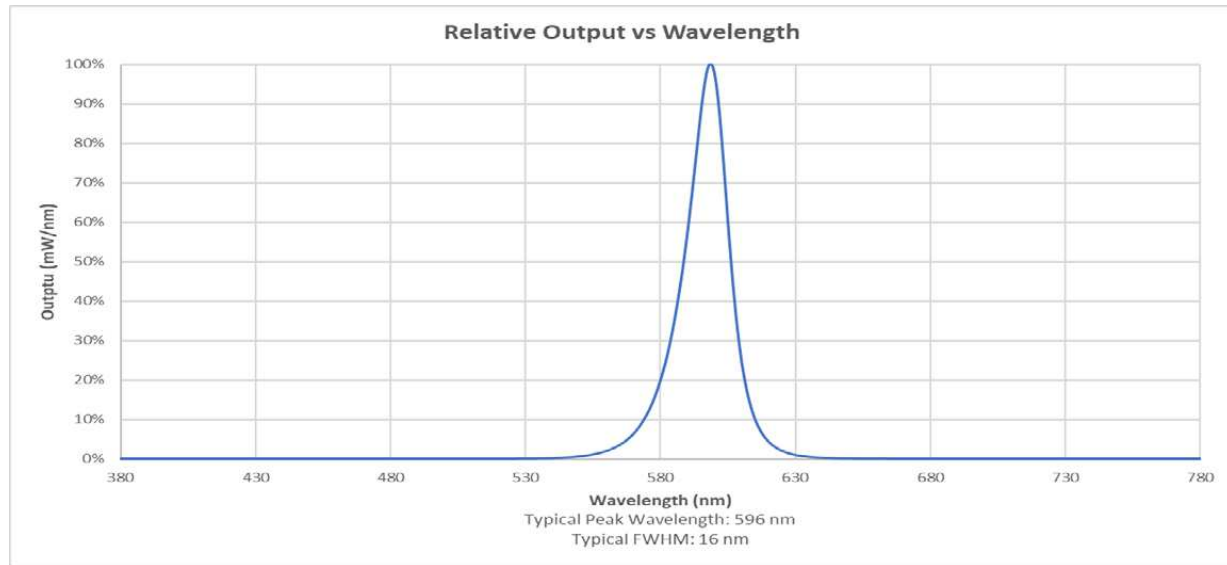
PERFORMANCE (CONT.)

DELIVERED LUMENS*					
Lumen Package	Distribution	Narrow Band Amber			Wattage
		Delivered Lumens	Efficacy	BUG Rating	
2L	2	2511	70	B1-U0-G1	36
	3	2600	73	B1-U0-G1	
	5W	2530	71	B2-U0-G1	
	FT	2599	73	B1-U0-G1	
	FTA	2514	70	B1-U0-G1	
	AM	2594	73	B1-U0-G1	
4L	2	3920	42	B1-U0-G1	94
	3	4059	43	B1-U0-G1	
	5W	3950	42	B3-U0-G1	
	FT	4058	43	B1-U0-G1	
	FTA	3925	42	B1-U0-G1	
	AM	4049	43	B1-U0-G1	

ELECTRICAL DATA (AMPS)*							
Lumens	Wattage	120V	208V	240V	277V	347V	480V
2L	36	0.30	0.17	0.15	0.13	0.10	0.07
4L	94	0.78	0.45	0.39	0.34	0.27	0.20

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

*LEDs are frequently updated therefore values are nominal.



SPECTRAL PERFORMANCE VS LUMEN OUTPUT		
Lumen Package	Peak Wavelength	FWHM
	(nm)	(nm)
2L	594	15
4L	599	19

Mirada Medium Outdoor LED Area Light

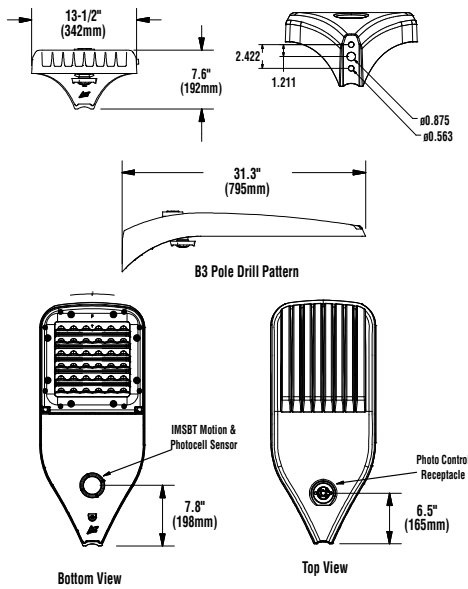
Type: _____

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PRODUCT DIMENSIONS

[Back to Quick Links](#)

LUMINAIRE EPA CHART - MRM				
Beam Spread	0°	30°	45°	Beam Spread
Single	0.5	1.5	1.9	T90°
D180°	1.0	1.5	1.9	TN120°
D90°	0.8	1.9	2.3	Q90°



Job Name : Village of Germantown - Highpoint
Manufacturer : LSI
Model Number : MRM LED 12L SIL 3 UNV DIM 40 70CRI BRZ

Datasheets
Type :
INCLUDED IN KIT

Mirada Medium Outdoor LED Area Light

Type: _____

Have questions? Call us at (800) 436-7800

CONTROLS

[Back to Quick Links](#)

Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
OMSBTxL/IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High
OMS	Motion	No Motion	N/A	N/A	N/A	30 seconds	Auto

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.

**BUSINESS OF THE PUBLIC WORKS & HIGHWAYS COMMITTEE
GERMANTOWN, WI**

MEETING DATE: July 8, 2026

PLACEMENT: Action Item

ITEM TITLE: Adoption of the 2026 Wage and Equipment Rates

SUBMITTED BY: Timothy K. Zimmerman – Director of Public Works

SUMMARY EXPLANATION:

I am presenting for your review the 2026 Wage and Equipment Rates. These rates, once approved, are what the Village uses for bill-back for items such as accidents, development bill back, and cost estimating.

ATTACHMENT: ORDINANCE _____ RESOLUTION _____ OTHER X
Wage and Equipment Tables

RECOMMENDATION:

It is my recommendation to send forward to the Village Board the 2026 Wage and Equipment Rates as presented.

COMMITTEE ACTION:

Proper parliamentary procedure to deny a request is to have a motion made in the affirmative and by voting NAY would deny the request if a majority vote.

2026 Germantown Labor Rates

	Loaded	2025 Rate	Loaded	2026 Rate
Director of Public Works	\$86.17	\$99.10	\$82.40	\$94.76
Community Development Director	\$76.28	\$87.72	\$78.31	\$90.06
Village Engineer	\$76.80	\$88.32	\$78.90	\$90.74
Civil Engineer	\$42.55	\$48.93	\$49.91	\$57.40
Highway Superintendent	\$67.29	\$77.38	\$69.40	\$79.81
Water Superintendent	\$65.99	\$75.89	\$67.70	\$77.86
Wastewater Superintendent	\$66.84	\$76.87	\$64.73	\$74.44
Highway Foreman	\$58.62	\$67.41	\$50.53	\$58.11
Water Foreman	\$53.93	\$62.02	\$56.76	\$65.27
Highway Operator	\$46.00	\$52.90	\$50.40	\$57.96
Utility Operator	\$46.00	\$52.90	\$51.92	\$59.71
Construction Inspection (In-house)	\$46.81	\$53.83	\$47.64	\$54.79
Record Drawing Document Prep (In-house)	\$46.81	\$53.83	\$61.84	\$71.12
Construction Inspection (contracted)	\$105.00	\$120.75	\$114.00	\$131.10
Construction Inspection Manager (contracted)	\$170.00	\$195.50	\$174.00	\$200.10
Land Surveyor (contracted)	\$100.00	\$115.00	\$130.00	\$149.50
DPW Clerical	\$35.07	\$40.33	\$36.20	\$38.01
Planning Clerical	\$31.09	\$35.75	\$43.64	\$50.19
Planning Associate	\$58.81	\$67.63	\$60.47	\$69.54

Loaded+ 15% = Rate

Contracted rates reflect 2026 prices plus 15%.

2026 Germantown Equipment Rates

EQUIPMENT DESCRIPTION	2025	2026
Liebherr Rubber-tire Excavator	\$83.59	\$86.10
Caterpillar Backhoe & Loader	\$49.35	\$50.83
Case/John Deer Loader	\$63.06	\$64.95

Case/John Deer Loader/Snow Plow	\$106.93	\$110.14
Case/John Deer Loader/Snow Blower	\$145.30	\$149.66
Single Axle Dump Truck (5yd)	\$45.23	\$46.59
Single Axle Dump Truck w/Plow/Aux. Wing/Sander	\$72.65	\$74.83
Tandem Axle Dump Truck	\$60.32	\$62.13
Tandem Axle Dump Truck w/Plow/Aux. Wing/Sander	\$89.11	\$91.78
Quad Axle Dump Truck	\$104.55	\$107.68
1-Ton Patrol Truck (2-3 yd)	\$34.28	\$35.31
1-Ton Truck w/Plow	\$42.50	\$43.77
Truck w/Water Jetter w/Aux. Power Unit	\$68.53	\$70.59
Aerial Lift Truck	\$85.00	\$87.55
3500- Truck w/ Utility Box & Crane	\$68.96	\$71.03
Pickup Truck	\$26.73	\$27.53
Pickup Truck w/Plow	\$38.38	\$39.53
Self Propelled Vibrating Roller	\$52.09	\$53.65
Self Propelled Non-Vibratory Roller	\$47.97	\$49.41
185 cfm Air Compressor (Portable)	\$38.38	\$39.53
Street Sweeper 40 Hp w/Front Mounted Broom	\$50.72	\$52.24
Vacuum Sweeper	\$112.40	\$115.78
Sewer line Televising Truck	\$159.02	\$163.79
Combination Sewer Machine (pipe jetter & vac)	\$191.91	\$197.67
Mini Excavator	\$67.19	\$69.21
Skid Steer Loader w/Bucket	\$43.87	\$45.19
Skid Steer Loader w/Snow Blower/Broom	\$47.97	\$49.41
20" Enclosed Trailer	\$17.39	\$17.91
REX Valve Turner	\$96.22	\$99.11
10' Utility Trailer	\$13.91	\$14.33
		\$0.00
Tar Kettle	\$46.61	\$48.01
Motorized Mower (24" & Under)	\$18.18	\$18.72
Motorized Mower (25"-47")	\$25.37	\$26.13
Motorized Mower (48" & larger)	\$29.48	\$30.36
Tractor w/Sickle or Flail Mower	\$63.19	\$65.08
		\$0.00

Chain Saw	\$16.82	\$17.32
Hydraulic Saw	\$16.82	\$17.32
Hydraulic Pruner	\$16.82	\$17.32
Chipper	\$54.82	\$56.47
Generator (225 Kw)	\$78.13	\$80.48
Generator (Under 10 Kw)	\$34.28	\$35.31
Trailer Mounted Vacuum Excavator & Valve Turner	\$115.15	\$118.61
6 " Pump/Hose	\$42.50	\$43.77
4" Pump/Hose	\$35.64	\$36.71
3" Pump/Hose	\$29.48	\$30.36
		\$0.00
Barricades-----DAILY COST	\$4.12	\$4.24
Traffic Control Signs-----DAILY COST	\$2.06	\$2.12

NOTE: 2026 rates reflect a 3% increase of 2025 rates

Directors Report – July 2026

Engineering

Road program including 2026 Roads along with seal coating program

Beginning Mid-July

Pleasant View culvert replacement, ARIP road project Lovers Lane South to Freistadt. (Bidding next week, fall construction *tentative*)

Maple Rd. Bridge repair over Willow Creek. Repair of deteriorated west beam addresses remaining lifespan of the structure. (Contract documents being developed)

CTH Q & STH 175 Intersection Signal Replacements. Improvements planned for advertisement late summer for work in early 2027.

Plans and specs. Being developed with Town of Jackson for Pioneer Rd. ARIP grant. Survey and Wetland delineations are underway.

No candidates yet for Village Engineer position

Highways, Parks, Buildings, and Grounds

Full summer mode with mowing operations, including one pass ROW mowing

Mastic application -completed, crack sealing will be in fall

Brush pick-up completed took 3 weeks to complete

Street light fixture replacement underway will be on-going throughout the summer

Flower Source Remediation and demo will resumed June 9th. Should be completed by months end.

Offer made to fill vacancy

Water Utility

Hydrant flushing completed

Commercial Meter replacements

400 residential meter replacements

On going hydrant repair throughout the Village

Discovered a fill pipe leak at Tower 2 -working on scoping repair

Valve exercising

Wastewater Utility

Wet Well cleaning

System Jetting area 3

Yard Waste upkeep/material processing completed summer grinding after brush pick-up processed approx. 18,000 Cu.Yds. of raw material

SSSA under revisions after meeting with DNR and SEWRPC regarding population projections

Collection System Facilities Plan – Submitted to DNR on hold pending SSSA

Main St. and Old Farm Facilities Plan – Submitted to DNR on hold pending approval of the SSSA, and CSFP plans are currently at 30% and Village and consultant met to review

New operator started Monday, July 6

Industrial Sewer billing beginning

Budget preparation will begin in earnest after new Finance Director is on-board