



WISDOT INFORMATIONAL MEETING BAY SHORE DRIVE OVERSIGHT COMMITTEE MEETING AGENDA

Thursday, September 11, 2014 at 2:00 p.m.
Large Meeting Room – Sister Bay Fire Station – 2258 Mill Road

For additional information check: <http://www.sisterbaywi.info>

In order for everyone to hear the discussion please, turn off your cell phone. Thank you.

Roll Call

1	Dave Lienau		2	Shane Solomon	
3	Pat Duffy		4	Paige Funkhouser	
	<i>Administrator – Zeke Jackson</i>			<i>Finance Director – Juliana Neuman</i>	
	<i>Steve Jacobson – Utility Manager</i>			<i>Steve Mann – Parks Manager</i>	
	<i>Robert Kufirin-Consultant</i>				

Comments, correspondence and concerns from the public

Approval of the agenda and the minutes

Business Items:

1. Consider Approval of Lighting Fixtures for Decorative Lighting for Bay Shore Drive Project; Discussion and Motion for Action if Necessary.
2. Presentation by Wisconsin Public Service Corp. and Village regarding burial of overhead utility lines on Bay Shore Drive.
3. Matters to be placed on a future agenda or referred to a Committee, Official or Employee.

Adjournment

Public Notice

Questions regarding the nature of the agenda items or more detail on the agenda items listed above scheduled to be considered by the governmental body listed above can be directed to Zeke Jackson, Village Administrator at 920-854-4118 or at zeke.jackson@sisterbaywi.gov.

It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information; no action will be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice. Upon reasonable notice, a good faith effort will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aid at no cost to the individual to participate in public meetings. Due to the difficulty in finding interpreters, requests should be made as far in advance as possible preferably a minimum of 48 hours. For additional information or to request this service, contact the Sister Bay Village Administrator at 854-4118, (FAX) 854-9637, or by writing to the Village Administrator at the Village Administration Building, 2383 Maple Drive, PO Box 769, Sister Bay, WI 54234. Copies of reports and other supporting documentation are available for review at the Village Administration Building during operating hours. (8 a.m. – 4 p.m. weekdays).

I hereby certify that I have posted a copy of this agenda at the following locations:

Administration Building
 Library
 Post Office

_____ / _____

Name Date

BAY SHORE DRIVE OVERSIGHT COMMITTEE
MEETING MINUTES
WEDNESDAY, JULY 16, 2014
(Approval Pending)

The July 16, 2014 meeting of the Bay Shore Drive Reconstruction Oversight Committee was called to order by Committee Chair Dave Lienau at 2:00 PM.

Present: Committee Chair Dave Lienau, Members Pat Duffy, and Paige Funkhouser, Village Consultant Robert Kufirin, Utilities Manager Steve Jacobson, Utility Clerk Martha Baker, Wisconsin Public Service Account Executive Mike Valleskey, Mike Maltby of Action Electric, and Wisconsin Department of Transportation staffers Jeremy Ashauer, Alan Farrell, Grace Schroeder, and Jim Thompson.

Absent: Member Shane Solomon.

Comments, correspondence and concerns from the public:

None.

Approval of the Agenda and the Minutes:

Funkhouser moved to approve the agenda of the July 16, 2014 and the minutes of the December 11, 2013 Bay Shore Drive Oversight Committee meeting as presented. Lienau seconded the motion and all voted Aye.

Business Items (not in agenda order):

8. Presentation by Wisconsin Public Service Corp. regarding burial of overhead utility lines on Bay Shore Drive:

Wisconsin Public Service Account Executive Mike Valleskey introduced himself to the committee. Mr. Valleskey said he met earlier this month with Administrator Zeke Jackson and Consultant Bob Kufirin to discuss the process of the utility line burials. He presented the committee with an outline of the Underground Electric Conversion Process. Valleskey said the Village has agreed to identify all property owners affected by the work and send them an informational letter explaining the upgrade process. The property owners will need to submit an application for upgrade. The Village has agreed to bury the primary line along the road and but secondary lines are the responsibility of the property owners. Kufirin said he walked through all locations with Mike Maltby of Action Electric. Valleskey said WPS had an estimate for the work and that the Village has issued a purchase order but the actual costs cannot be established until they know where the final determination points are on the buildings. WPS designers must meet with the Village facilitator before completing a contract with the Village. When the facilitator has estimates, Kufirin said, the Village will first determine how to fund the work, after that the facilitator will be able to meet with property owners. Valleskey showed the committee photos of transformer boxes that will replace the overheads. He said WPS will need easements to place the boxes and requested assistance from the Village to get those documents notarized. Valleskey said that after the work is complete a "cut-over date" will be scheduled. Jackson told the committee that applications will be due at the end of September and WPS will schedule a public informational meeting in the fall of this year.

9. Consider a motion to approve Action Electric as the Village facilitator on overhead utility line burial:

Mike Maltby of Action Electric presented the committee with a proposal of \$2000 to act as a consultant for facilitating the Village, WPS, and property owners with the upcoming electric utility upgrade. Village staff is recommending Maltby to act as facilitator but reminded the committee that the property owners would chose which electrician to perform work at their location, whether it's

1 Action Electric or another company. Motion was made by Lienau to approve Mike Maltby of Ac-
 2 tion Electric as facilitator for the Village project, Duffy seconded the motion and all voted Aye.

3
 4
 5 **10. Consider a motion to discuss and take action if necessary regarding credits for private up-
 6 grade of utility service associated with burial of utility lines:**

7 Jackson presented a document from Action Electric showing rough estimates totaling \$42,500 for
 8 changing electrical services from overhead to underground in the Village. Jackson asked the
 9 committee to talk about how to fund the work. Assessments and loan pools were suggested.
 10 Kufirin said that in the past the committee discussed having the Village pay for placing the electri-
 11 cal service underground and having property owners pay for upgrades in their own service. The
 12 committee discussed details of work needed at several properties and Kufirin asked the committee
 13 to take into consideration the magnitude of the impact on The Sister Bowl saying they may incur
 14 up to \$17,000 in expenses related to this project. Lienau made a motion to recommend to the Vil-
 15 lage Board to approve payment of up to \$42,500 to Action Electric for changing electrical services
 16 from overhead to underground, Funkhouser seconded the motion and all voted Aye.

17
 18 **6. Discussion with DOT on project timing; consider a motion to act if necessary:**

19 Wisconsin Department of Transportation representative Jeremy Ashauer told the committee that
 20 the DOT is now three months away from the final draft plan and asked for decisions to be made
 21 regarding certain items. He said that in order to stay on schedule and not cut into high season for
 22 businesses, the most urgent issue is scheduling the stormsewer work. Ashauer said blasting work
 23 will be done on the hill after Labor Day weekend and Fall Fest of 2015. Work will be scheduled
 24 in July and August for the Highway 57 portion. He hopes all the stormsewer work will be com-
 25 pleted before Fall Fest weekend. The committee asked if it could be done before Pumpkin Patch
 26 weekend. Kufirin said extended work hours are acceptable to the Village if needed. DOT needs to
 27 know which sections they can get in to and what the parameters will be. The committee asked for
 28 a work schedule of Monday through Thursday all day and Fridays until noon leaving two-way traf-
 29 fic on the weekends starting after Labor Day, with no construction and all lanes open between Oc-
 30 tober 9th through October 19th, and resuming work on October 20th, 2015. Motion was made by
 31 Lienau to follow the schedule as discussed, Duffy seconded and all voted Aye.

32
 33 Ashauer asked for direction in scheduling work at a section near Country Walk Drive and the in-
 34 tersection near Scandia Road. Motion was made by Funkhouser to schedule performing the inter-
 35 section staging in the Spring during the three week closure prior to Memorial Day 2016. Lienau
 36 seconded and all voted Aye.

37
 38 **2. Consider a Motion to Act on a Recommendation from the Wisconsin Department of Transpor-
 39 tation concerning pedestrian safety amenities at the intersection of N. Bay Shore Drive and Ma-
 40 ple Drive (by Jungwirth's Ace Hardware):**

41 Ashauer presented the committee with a photograph and a drawing of the intersection of N. Bay
 42 Shore Drive and Maple Drive near Jungwirth's Ace Hardware. He asked the committee to consid-
 43 er changes to the intersection and after a lengthy discussion the committee determined that the ex-
 44 isting configuration is probably the best option for that intersection. The discussion will be con-
 45 tinued at the next meeting of this committee.

46
 47 **3. Consider a Motion to Act on a Recommendation from the Wisconsin Department of Transpor-
 48 tation concerning pedestrian safety amenities at the intersection of N. Bay Shore Drive and Sister
 49 Bluff Drive:**

50 Ashauer presented a drawing of the intersection of N. Bay Shore Drive and Sister Bluff Drive. The
 51 plan asks for additional sidewalk at the corner to be provided for safety issues.

1
2 **1. Report from DOT on Colored Crosswalk options; consider a motion to act if necessary:**

3 Ashauer asked if the committee has reached an agreement on the colors for Crosswalks on N. Bay
4 Shore Drive. The committee recapped prior conversations and agreed the crosswalks at the inter-
5 section will be dyed concrete and all others will be painted or taped to allow for future develop-
6 ment or changes. Motion was made by Funkhouser to accept the burnt red sample presented by
7 Ashauer. Lienau seconded and all voted Aye.

8
9 **4. Report from DOT on Fence options by rock cut areas; consider a motion to act if necessary:**

10 Ashauer began a discussion regarding a section with a terrace between the roadway curbing gutter
11 and the sidewalk from Highway 57 to the bike trail. Ashauer asked the committee to determine a
12 finish for the area. He suggested several possibilities and the committee preferred flagstone. The
13 discussion will be continued at the next meeting of this committee.

14
15 Ashauer asked the committee if a decision has been made regarding the Casperson Pond pipe.
16 Duffy stated that the committee does not want the pipe going into the Marina. Ashauer said there
17 are options available for redirection of the pipe but they are costly. He said the designer initially
18 directed the pipe into the new system but the engineers said the elevation for Stormsewer needed
19 to be raised by one foot which means it can not be connected. Duffy asked if the pipe could be
20 raised. Ashauer reminded the committee that the pipe is not a DOT issue and the Village will
21 need to decide on the course of action. The committee had a lengthy discussion regarding options
22 for redirecting the flow from the pond. Jacobson told the committee that water only flows out of
23 the pond in the Spring and the water is very clean. He said the pond itself works as a Vortechnic
24 Unit. Jackson asked what the concerns are about the pond water flowing into the Marina. Duffy
25 said the Marina Committee is attempting to be awarded a Green Status. After more discussion the
26 committee directed staff to provide more information regarding the pipe. Ashauer asked for an an-
27 swer soon and Jackson suggested proceeding with cleaning and televising the pipe for sleeving or
28 replacing.

29
30 Ashauer led a discussion on the fence along the rock-cut. Motion was made by Lienau to accept
31 the fence presented by Ashauer. Funkhouser seconded and all voted Aye. Ashauer will talk to the
32 church about installing the same fencing.

33
34 Wisconsin Department of transportation representative Alan Farrell led a discussion on lighting ad-
35 jacent to the bike path. After discussion the committee directed Jackson to ask Parks Manager Ste-
36 ve Mann to instruct the DOT whether or not to salvage the lighting being removed.

37
38 **5. Report from DOT on Landscaping in front of Post Office; consider a motion to act if neces-
39 sary:**

40 Ashauer asked about landscaping in front of the Village Post Office. Kufirin stated there needs to
41 be access to the building and work will need to be scheduled around post office hours. Jackson
42 said the Parks Committee agreed to place three raised planters there.

43
44 **7. Report on proposals from Donohue & Associates concerning electric outlet size on decorative
45 light poles:**

46 Jackson presented a communication with Donohue Engineer Tammy Kuehlmann regarding elec-
47 tric service on decorative poles. The committee preferred the proposed 3 amp service.

48
49 **11. Matters to be placed on a future agenda or referred to a Committee, Official, or Employee**

50 -Jackson to send an informational letter explaining the upgrade process to all property owners af-
51 fected by the electric service burial.

1 -WPS will need easements to place the boxes and requested assistance from the Village to get
2 those documents notarized.

3 -Consider a Motion to Act on a Recommendation from the Wisconsin Department of Transporta-
4 tion concerning pedestrian safety amenities at the intersection of N. Bay Shore Drive and Maple
5 Drive (by Jungwirth's Ace Hardware).

6 -A discussion regarding the finish on a section with a terrace between the roadway curbing gutter
7 and the sidewalk from Highway 57 to the bike trail.

8 -Jackson and Jacobson to provide more information regarding the Casperson Pond pipe.

9 -Jackson and Jacobson to proceed with cleaning and televising the pipe for sleeving or replacing.

10 -Jackson to ask Parks Manager Steve Mann to instruct the DOT whether to salvage the lighting be-
11 ing removed.

12
13 **Adjournment:**

14 The next meeting of the Bay Shore Drive Oversight Committee was tentatively scheduled for De-
15 cember 11th at 4:35 PM.

16
17 At 4:54 PM Duffy moved that the meeting be adjourned. Funkhouser seconded the motion and all
18 voted Aye.

19
20
21 Respectfully submitted,

22
23
24 Martha Baker
25 Utility Clerk

26
27 Name: i:\files\active\agendas\bay shore\2014\2014_07\071614 bsd oversight com. meeting minutes - unapproved v
28 version1.doc Created: 07/25/2014 11:28 AM Printed: 9/5/2014 1:28 PM Author: Martha Baker

Janal Suppanz

From: Kuehlmann, Tammy [tkuehlmann@donohue-associates.com]
Sent: Tuesday, August 26, 2014 3:29 PM
To: Zeke Jackson
Subject: FW: Sister Bay
Attachments: MS805A-B LED MAIN STREET JULY 7 2014.pdf; 6200 OXFORD POLE NOV 25 2013.pdf; a.pdf

The picture in a.pdf is the light that Sister Bay wanted. I just need to confirm a few things so that the specification can be finished.

For the light: confirm that you want
 MS805A (not the spikes offered for MS805B)
 LED

The lighting pattern modeled and approved by DOT is Type 3.

We did not plan for the frosted hurricane chimney.

We can shield up to 120 degrees of light in any direction to prevent glare at a building. Are there any lights that need to be shielded? A light location plan is attached for you to mark if necessary.

The housing has clear seeded acrylic lens panels.

There are fixture arms

Black textured

Pole

14 feet high

6"-4" tapered fluted (or it can be 6" to 3" taper if you want it thinner on the top)

Black textured

GFI

Double Banner Arms

Flag pole holder?

Wreath hook mounts

I'll ask DOT about the sign bracket mounts. I think that is all on DOT if they want to mount a sign on the pole.

Tammy Kuehlmann, PE

Direct (920) 803-7364

From: Tim Peters [mailto:tpeters@enterpriselighting.com]
Sent: Tuesday, August 26, 2014 2:30 PM
To: Kuehlmann, Tammy
Cc: Dustin Blotz
Subject: FW: Sister Bay

Hi Tammy,

MS805LED 4A1R45T3 CSA

Is the fixture Dustin used in the design. Attached is the cut sheet for the fixture and the pole assembly. Also the fixture drawing. Let me know if you need any other information.

Thank you

Tim

From: Rich Bennett [<mailto:rbennett@sternberglighting.com>]
Sent: Monday, August 25, 2014 3:29 PM
To: Tim Peters
Cc: Scott Smith
Subject: FW: Sister Bay

Tim –

As we discussed, toss the other sheets and go with these for the spec info you need.

Thank You,

Richard Bennett
Quotations Manager
PH: 847-230-3429
WEB: www.sternberglighting.com



SternbergLighting

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MS805A / MS805B LED MAIN STREET

SPECIFICATIONS

LUMINAIRE DESIGN

- The luminaire shall be a modern replica of a popularly styled octagonal fixture, available with (A) or without (B) decorative spikes.
- The MS805A LED luminaire shall be 17 1/2" (19" on the diagonal) and 38" tall (with 3" tenon). The MS805B LED luminaire shall be 16" (17" on the diagonal) and 38" tall (with 3" tenon).
- The luminaire shall be appointed with a cast aluminum 6 1/2" decorative spiked finial.
- The luminaire shall have LED light sources with roof mounted, downlighting optics.
- The luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- The luminaire shall be U.L. or E.T.L. listed in the U.S. and Canada.

POST FITTER

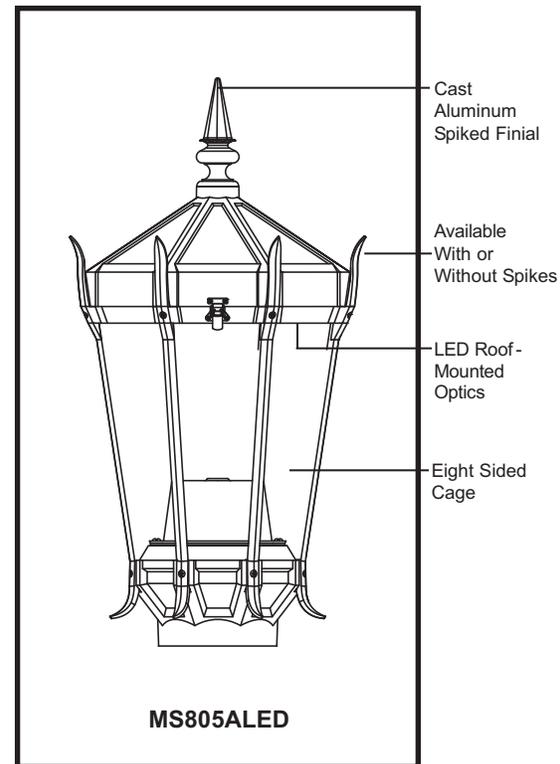
- The fitter shall be heavy wall cast aluminum for high tensile strength.
- The fitter shall have an inside diameter opening to attach to a 3", 4", 5", 6" or 7" pole or tenon.
- When ordered with a Sternberg pole, the fitter shall be attached by set-screw to the pole top or tenon.

DRIVER

- The LED driver shall be securely mounted inside the fitter, for optimized performance and longevity.
- The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation.

LIGHT SOURCES

- The luminaire shall use high output, high brightness LEDs.
- The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface.
- The LED arrays shall be roof mounted to minimize up-light.
- The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity.
- The LEDs and printed circuit boards shall be protected from moisture and corrosion by a conformal coating of 1 to 3 mils.
- The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant.
- The LED life rating data shall be determined in accordance with IESNA LM-80.



EPA = 2.46 (ft²)
WEIGHT = 55 LBS



LIST NO.
MS805A LED/
MS805B LED
MAIN STREET
SERIES

MS805A / MS805B LED MAIN STREET

SPECIFICATIONS

**LIST NO.
MS805A LED/
MS805B LED
MAIN STREET
SERIES**

OPTICS

- The luminaire shall be provided with individual, acrylic, refractor type optics applied to each LED.
- The luminaire shall provide Type ____ (2, 3, 3R, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79-08.
- *Frosted Glass Hurricane Chimney (FHC) is an option which adds an authentic touch.
- *House Side Shield (HSS) is an option which will block up to 120° of light in any one direction.

PERFORMANCE

- The LED arrays are built in series-parallel circuits which maintain overall light output in the event of single LED failures.
- The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- The High Performance white LEDs will have a life expectancy of approximately 70,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C.
- The High Brightness, High Output LED's shall be 4500K (2700K or 3500K option) color temperature with a minimum of 70 CRI.
- The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Light Source	T2	Initial Lumens/Watt	T3	Initial Lumens/Watt	T3R	Initial Lumens/Watt	T4	Initial Lumens/Watt	T5	Initial Lumens/Watt	Watts
1RND27T2-MD_03-CA	1930	60.3	1920	60.0	2000	62.5	1975	61.7	2110	65.9	32
1RND35T2-MD_03-CA	2205	68.9	2185	68.3	2280	71.3	2255	70.5	2405	75.2	32
1RND45T2-MD_03-CA	2350	73.4	2330	72.8	2430	75.9	2405	75.2	2560	80.0	32
4ARC27T2-MD_03-CA	3730	56.5	3825	58.0	3860	58.5	3885	58.9	3970	60.2	66
4ARC35T2-MD_03-CA	4250	64.4	4365	66.1	4405	66.7	4430	67.1	4525	68.6	66
4ARC45T2-MD_03-CA	4530	68.6	4650	70.5	4695	71.1	4725	71.6	4825	73.1	66
4A1R27T2-MD_03-CA	5430	57.8	5650	60.1	5515	58.7	5500	58.5	5985	63.7	94
4A1R35T2-MD_03-CA	6190	65.9	6440	68.5	6290	66.9	6275	66.8	6825	72.6	94
4A1R45T2-MD_03-CA	6600	70.2	6865	73.0	6705	71.3	6685	71.1	7270	77.3	94
4A1R27T2-MD_05-CA	7505	52.9	7580	53.4	7600	53.5	7615	53.6	8205	57.8	142
4A1R35T2-MD_05-CA	8560	60.3	8645	60.9	8665	61.0	8685	61.2	9355	65.9	142
4A1R45T2-MD_05-CA	9120	64.2	9215	64.9	9235	65.0	9255	65.2	9965	70.2	142

ELECTRONIC DRIVERS

- The driver shall be U.L. or E.T.L. Recognized.
- The driver shall have overload as well as short circuit protection.
- The driver shall be a DC voltage output, constant current design, 50/60HZ.

MS805A / MS805B LED MAIN STREET**SPECIFICATIONS****LIST NO.
MS805A LED/
MS805B LED
MAIN STREET
SERIES**

- The driver shall have a minimum efficiency of 88%.
- The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90.
- The driver shall contain over-heat protection which reduces output to less than half rating if the case temperature reaches 85°C.

LUMINAIRE HOUSING

- The luminaire shall be made of heavy wall cast aluminum alloy.
- The luminaire shall be provided with a cast aluminum roof with optimized heat sinks to provide maximum life and performance for the LED light sources.
- The lens panels shall be made of vandal resistant, clear seeded acrylic (CSA). Available in optional clear textured acrylic (CTA), clear acrylic (CA), flat frosted acrylic (SV2) or flat diffused (SV1).

ARMS

- The arms shall be cast aluminum and/or extruded aluminum.
- Arms with decorative filigree shall have meticulously detailed scroll work and gracefully curved brackets.
- The arms shall be pre-wired for ease of installation.
- The arms shall be bolted to a post mount adaptor which is welded to the pole to ensure proper alignment to the base.
- (Twin TA and Twin 579 arms) The arms shall be attached to a decorative center hub which will fit the center tenon of the pole (not shown).

PHOTOCELL OPTIONS**Electronic Cell Option**

- Photocells shall be electronic button type.
- On single post-top fixtures, the photocell shall be mounted in the fitter and pre-wired to the driver.
- On multiple head fixtures, photocells shall be mounted in the pole shaft, on an access plate.

The photocell is not pre-wired since drivers are mounted in the fitters and packaged separately.

- The photocell is instant-on at 1.5 foot-candles and turns off 5-10 seconds at 2-3 footcandles.
- The photocell is 120-277 volt.

MS805A / MS805B LED MAIN STREET**SPECIFICATIONS**

LIST NO.
MS805A LED /
MS805B LED
MAIN STREET
SERIES

FINISH

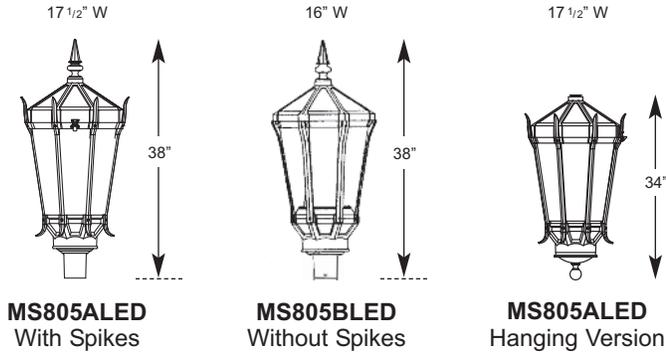
- Prior to coating, the luminaire shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse-osmosis water rinsing and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coat.
- The finish coat shall be an electrostatically applied semi-gloss, super durable polyester powder coat, baked on at 400°F, to provide a durable, color retentive finish.
- *The optional _____ (Verde Green or Swedish Iron) finish shall be hand-brushed using a 3-step process.

WARRANTY

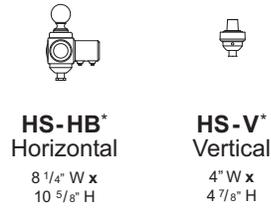
- LED Systems and Drivers - 7 years.
- All fixtures shall be free from all defects in materials and workmanship for a period of 7 years from the date of manufacture.
- The luminaire manufacturer shall warrant the LED boards/ system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

MS805A / MS805B LED MAIN ST. ACORNS / FITTERS / ARMS PM - WB

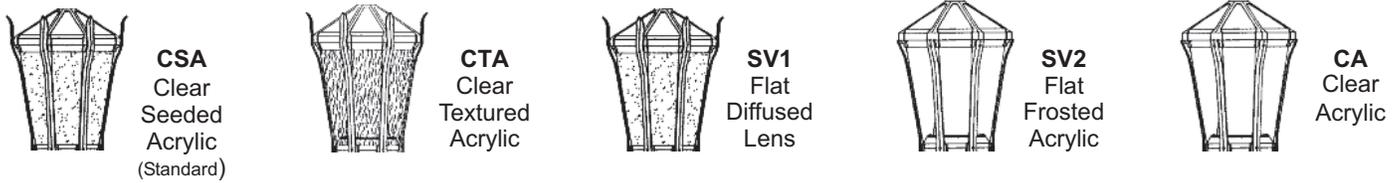
FIXTURES



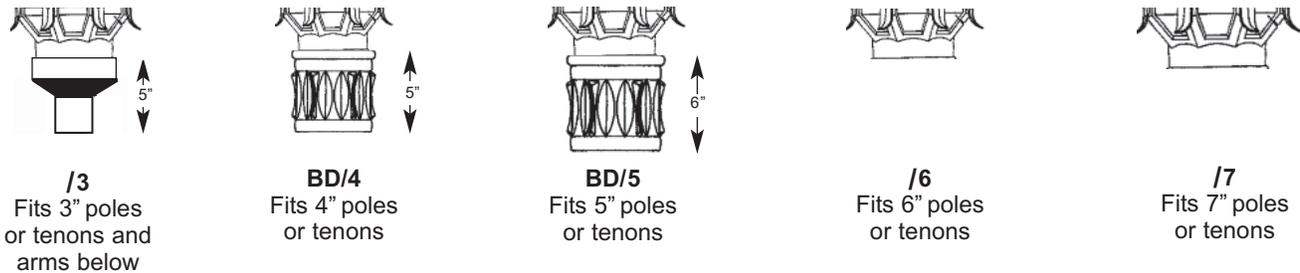
HS Hangstraights



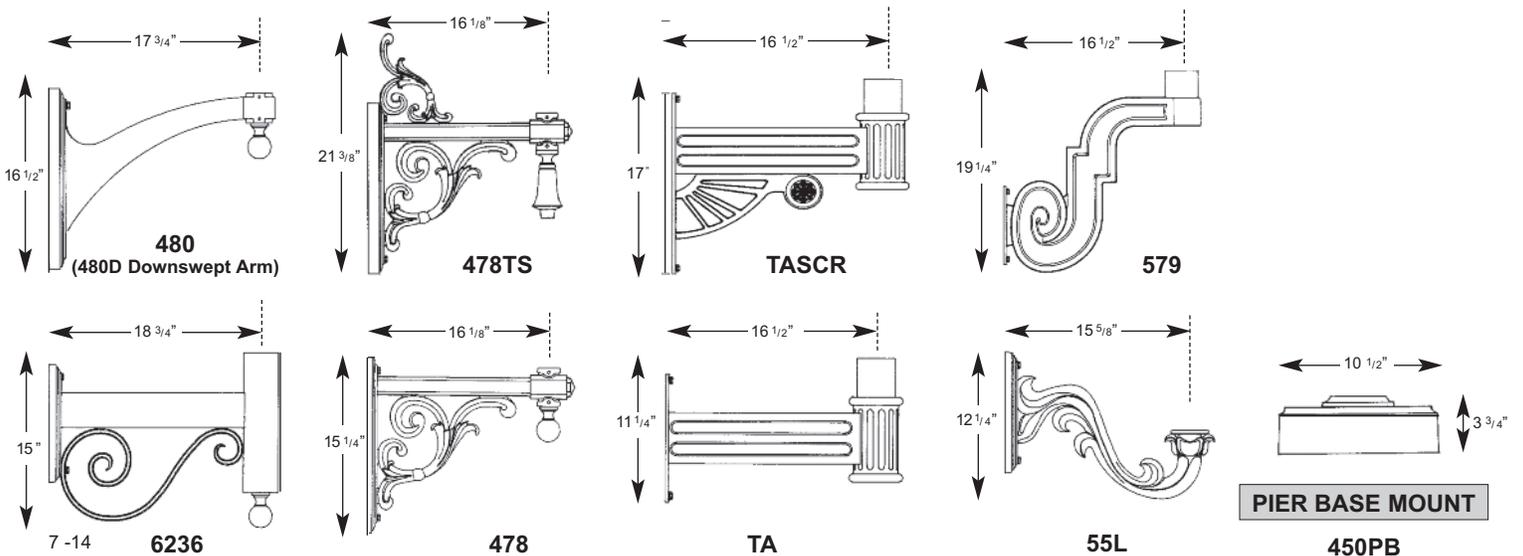
LENSES



FITTERS



ARMS - POST MOUNT (PM) or WALL BRACKETS (WB) See Arms Section for more information



BUILDING A PART NUMBER

POST & ARM FIXTURES

NO. OF ARMS	ARM MOUNTED FIXTURE	CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE			DRIVER	OPTIONS	LENS	FINISH
	FIXT./FITTER/POST ARM	FIXTURE/FITTER	(See Post Section)		LED	COLOR	TYPE				
2	MS805ALED/3/478PM	MS805ALED/3	3412FP4		4A1R	45	T5	MH	PEC	CTA	BKT

WALL FIXTURES

FIXT. / FITTER / WALL BRACKET	LIGHT SOURCE			DRIVER	OPTIONS	LENS	FINISH
	LED	COLOR	TYPE				
MS805ALED/3/480WB	4A1R	45	T3	MH		CA	BKT



PIER FIXTURES
Uses same information boxes as wall fixture

MS805ALED/3/450PB

FIXTURE / FITTER / PIER BASE

PART NUMBER SELECTIONS

FIXTURES

- MS805ALED
- MS805BLED

LENSES

- CSA
- CTA
- SV1
- SV2
- CA

FITTERS

- 3
- BD4
- BD5
- 6
- 7

DRIVERS

- MDL - Dimming 120-277
- MDH - Dimming 347-480

POST ARMS

- 478PM
- 478TS
- 480PM
- 480DPM
- 6236PM
- 579PT
- TAPT
- TASCRIPT
- BAPT

WALL BRACKET ARMS

- 478WB
- 478TSWB
- 480WB
- 480DWB
- 55LWB
- 6236WB
- 579WB
- TAWB
- TASCROWB

PIER BASE

- 450PB

LIGHT SOURCES*

LED	COLOR TEMP. (K)	TYPE
4A1R	45(00)	T2
4ARC	35(00)	T3
1RND	27(00)	T3R
		T4
		T5

*Consult factory for other color temperatures

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

CUSTOM FINISHES

- OI Old Iron
 - RT Rust
 - WBR Weathered Brown
 - CD Cedar
 - WBK Weathered Black
 - TT Two Tone
- STERNBERG SELECT FINISHES**
- VG Verde Green
 - SI Swedish Iron
 - OWGT World Gray Textured

OPTIONS

- PEC Photocell - Electronic 120-277 Volt
- FHD Dual Fuse and Holder
- PF per arm Pineapple Finial or Font (for TA, TASCRT)
- BF per arm Ball Finial or Font (for TA, TASCRT)
- HS-V Vertical Hangstraight
- HS-HB Horizontal Hangstraight - Ball Finial
- HS-HS Horizontal Hangstraight - Spike Finial
- HS-HN Horizontal Hangstraight - No Finial

6200 OXFORD SERIES

SPECIFICATIONS

GENERAL

The ___ ft tall* decorative post shall be aluminum, one-piece construction. The 18" diameter cast aluminum fluted base shall be constructed with a ___ inch diameter aluminum shaft. The model shall be Sternberg Lighting Number #6200 or #6200R for candy cane poles. The pole shall be U.L. or E.T.L. listed in U.S. and Canada.

CONSTRUCTION

The base shall be designed with sixteen long curved flutes which gracefully slope to a decorative scalloped ring and be made of heavy wall, 356 alloy cast aluminum. It shall have a 1" thick floor cast as an integral part of the base.

___ The **smooth tapered shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

___ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

___ The **straight fluted shaft** shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

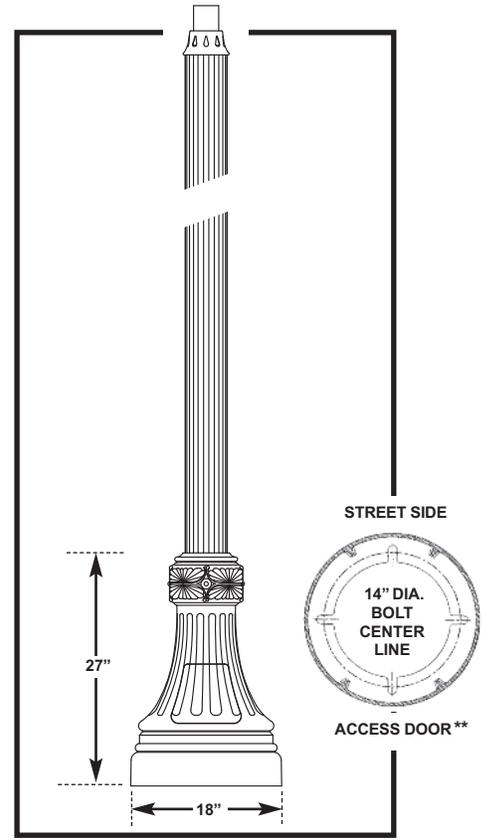
___ The **cast tapered fluted shaft** shall be made of heavy wall, 356 alloy cast aluminum.

___ The **extruded tapered fluted shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

___ The **tapered octagonal shaft** shall be made of heavy wall, 356 alloy cast aluminum. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

INSTALLATION

Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.



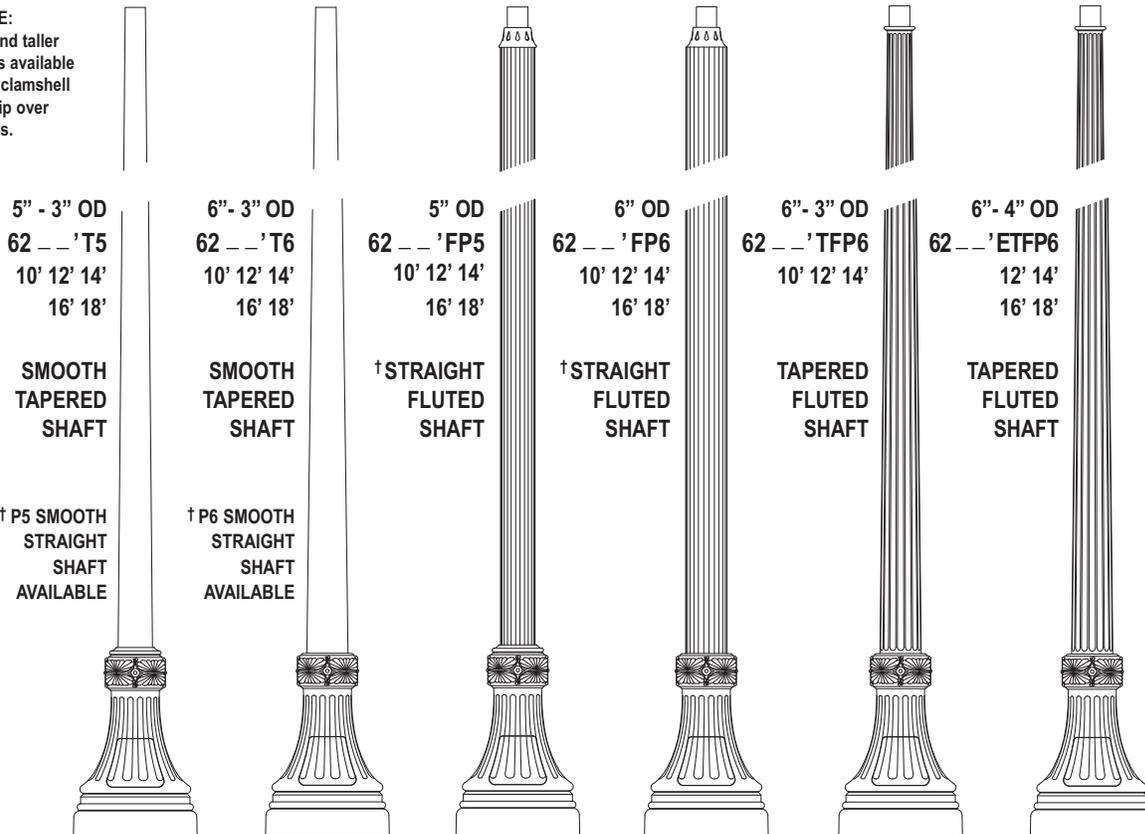
**See installation template for exact door position. Bolt circle dimensions may change on taller poles.

Indicate the type of shaft needed (above)

Cast Aluminum-Extruded Poles

18" Diameter Base x 27" High

NOTE:
20' and taller poles available with clamshell or slip over bases.



*For candy cane poles insert ___ AG ft (feet - above grade height). See diagram on reverse side.

† Tenon not supplied if fixture or arm slips shaft O.D.

6200 OXFORD SERIES

POSTS / OPTIONS / POST CAPS

BUILDING A PART NUMBER

Straight Poles

MODEL / HEIGHT / SHAFT	POST CAP CENTER	OPTIONS	FINISH
62 16 FP5	BCC	FH	BK

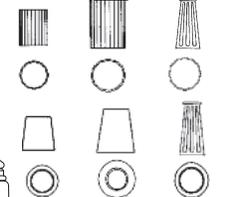
Candy Cane Poles

MODEL / HEIGHT / SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
62 00 RT5	18 AG		BK

Part Number Selections

MODEL	HEIGHT	SHAFT†
• 62	• 08' • 10' • 12' • 14' • 16' • 18'	• T5: 5"-3" Tapered Smooth • T6: 6"-3" Tapered Smooth • P5: 5" Straight Smooth • P6: 6" Straight Smooth • FP5: 5" Straight Fluted • FP6: 6" Straight Fluted • TFP6: 6"-3" Tapered Fluted • ETFP6: 6"-4" Tapered Fluted

FP5 - 5" FP6 - 6" TFP6 - 6"-3"



T5 - 5"-3" T6 - 6"-3" ETFP6 - 6"-4"

OPTIONS AVAILABLE

- GFI • SBAR • PCD
- GFB • DSPA • SH
- FH • DHPA • SB
- SBA • PA478 • WHK
- DBA
- DB Direct Burial • HB Helix Burial

† See first page for height restriction.

Part Number Selections

MODEL	HEIGHT	SHAFT†	ABOVE GRADE
• 62	• 00	• RT5: 5"-3" Tapered Smooth • RT6: 6"-3" Tapered Smooth • RP5: 5" Straight Smooth • RP6: 6" Straight Smooth • RFP5: 5" Straight Fluted • RFP6: 6" Straight Fluted • RTFP6: 6"-3" Tapered Fluted**	• 08' AG • 10' AG • 12' AG • 13' AG • 14' AG • 16' AG • 18' AG

** Available in 11', 13', 15, AG

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

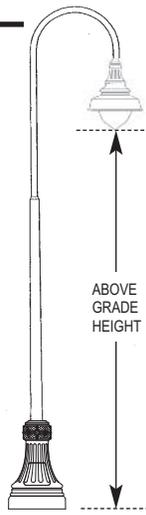
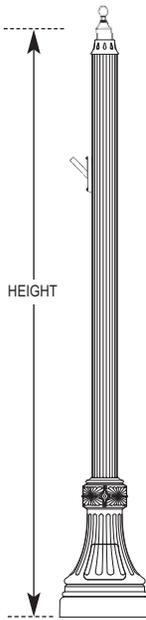
CUSTOM FINISHES

- OI Old Iron

- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

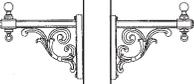
STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured



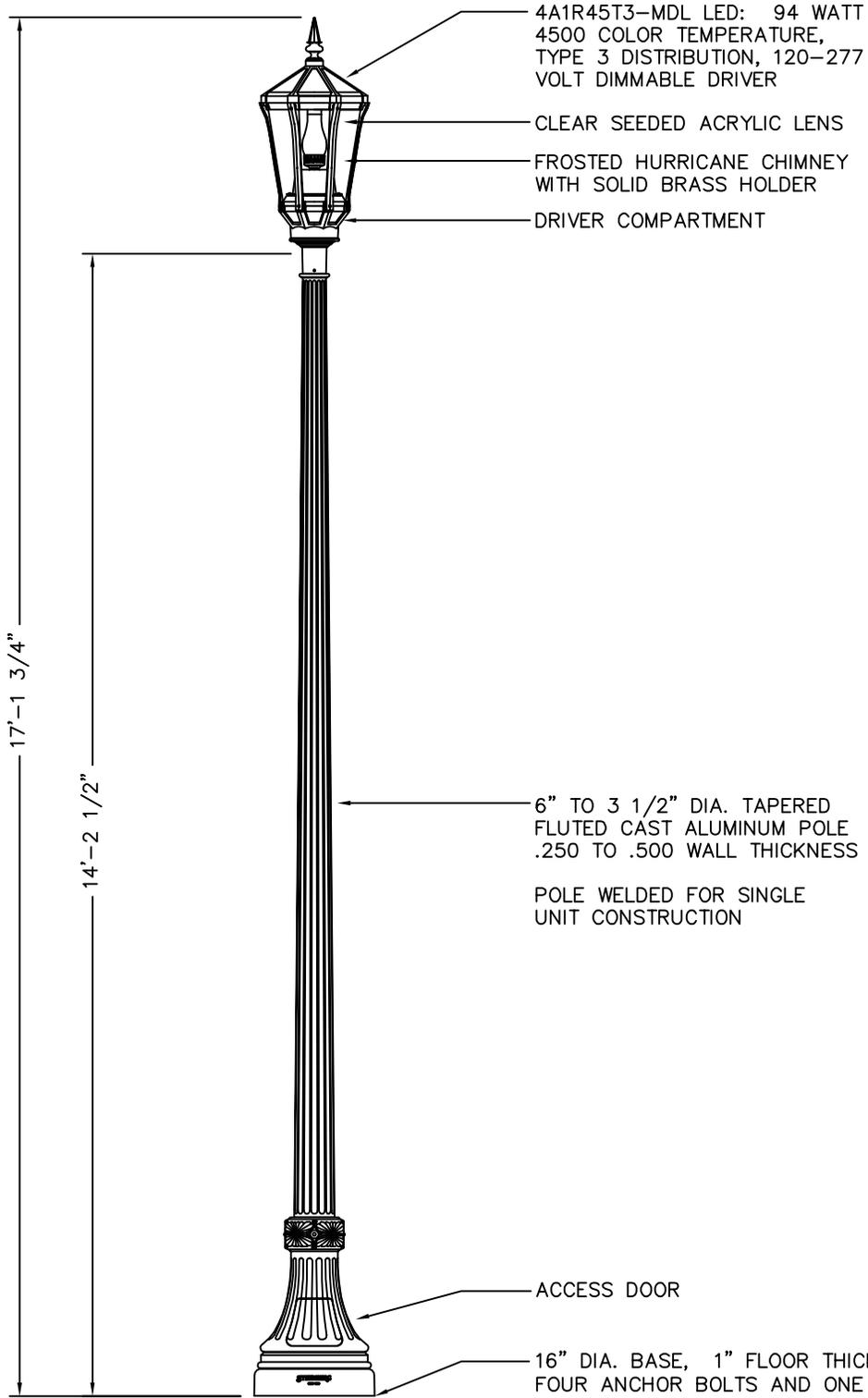
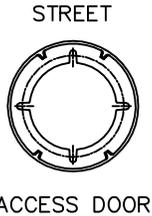
OPTIONS AVAILABLE

See Accessories Section for more options and information

 GFI - Ground Fault Interrupter mounts in the pole  GFB - Ground Fault Breaker <i>inside</i> base  FH - Flag Pole Holder mounts on the pole  SBA - Single Banner Arm mounts on the pole  DBA - Double Banner Arms mount on same side of the pole	 SBAR - Single Banner Arm and Ring  DSPA - Double Stepped Planter Arms mount on either side  DHPA - Double Hooked Planter Arms mount on either side  PA478 - Decorative Planter Arms with planter rings	 PCD - Photo Control mounts on door on pole  SH - Speaker Hub for mounting speaker, floodlight or signal  SB - Sign Bracket mounts on pole to hold signs  WHK - Wreath Hook mounts on pole to hold decorations
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POST CENTER CAPS (If Required)

- | | | | | |
|---|--|--|--|--|
|  BCC - Ball Center Cap |  FCC - Finial Center Cap |  SCC - Spiked Center Cap |  TFCC - Tall Finial Center Cap |  SSCC - Side Spiked Center Cap |
|---|--|--|--|--|



WILLIAMS CREEK	POLE HEIGHTS HAVE A TOLERANCE OF + OR - 2"	7/25/12	DRAWING NUMBER 16
	MS805BLED / 6214TFP6	DRAWN RB	
SINCE 1923			
FINISH ADVISE			
FUSE			
VOLTAGE 120-277			
LIGHT SOURCE LED: 4A1R45T3			
WATTAGE 94			
SOCKET TYPE LED			



July 9, 2014

Dear

For close to 40 years the citizens of the Village of Sister Bay have contemplated and discussed the burial of the downtown overhead utility lines. A citizen recently recounted a story to me about this very issue. Apparently when "Big Dave" Anderson was Village President in the 1970's, the Village received a quote of \$78,000 dollars for the burial of all the overhead utility lines. That was an incredible sum of money in those days, and citizens discussing the potential project around a table at Al Johnson's couldn't believe that it would cost so much.

Times have certainly changed, and the Village has been moving forward with the Bay Shore Project. Sister Bay has been transformed over the last several years to a waterfront destination that is second to none in Door County. Our Waterfront Master Plan has served us well, and we are almost finished with turning the vision outlined in that plan into reality.

The Village looks forward to working with affected property owners in order to create as seamless a transition in overhead utility service as possible. The Village has retained Action Electric to identify the issues associated with converting your overhead electric service to underground service. Action Electric employees will be visiting in the next month in order to assess services, as well as to work with property owners to complete the necessary paperwork. A tentative schedule of events is listed below:

August 2014

- Electrician completes assessment.
- Service Applications/Site Sketch Waivers completed.

September 2014

- WPS to produce site sketch for public info. meeting
- Hold public information meeting

Fall 2014

- Customers will work with electricians to make necessary upgrades (ongoing)
- WPS will develop final plans

Winter 2014

- Bay Shore Drive Committee will review final plans
- WPS to make any necessary adjustments
- Project let for bids

Spring 2015

- WPS and other contractors bury overhead utilities; to be completed prior to Memorial Day.

Our elected officials and staff look forward to working with and serving you as this project moves forward. Please feel free to contact my office if you have any questions.

At your service, I am,

Zeke Jackson
Village Administrator
Village of Sister Bay, WI



August 29, 2014

Respected Citizen,

As our summer rapidly winds down, the Village is busy working with our various private and public partners in implementing the burial of our overhead utility lines on Bay Shore Dr. Many of you have received visits by the Village's Contracted Coordinator, Mike Maltby of Action Electric, and have worked with him to complete requests for service and site sketch waivers.

The Village Board voted to include some costs of private service transitions at its August 26 meeting. Customers listed on the included cost estimate sheet can expect reimbursement up to the dollar amounts shown for electric contract work necessary to facilitate the burial of our overhead utility lines. All work must be completed and invoices submitted by December 31, 2014 to be eligible for reimbursement.

The Village will hold a public information meeting on September 11, 2014 at 2:00 at the Sister Bay/Liberty Grove Fire Station, Large Meeting Room. After a brief presentation, citizens will have an opportunity to ask questions and view preliminary plans from WPS.

The Vision of citizens and leaders to develop and implement our Downtown Redevelopment plan has been incredible. I feel so lucky to be here as a part of this place that truly is like no other. I look forward to working for each of you as we complete the plans, and to the work that lies ahead in creating the vision which will guide us beyond this.

At your service, I am,

Zeke Jackson
Village Administrator
zeke.jackson@sisterbaywi.gov