

**RESOLUTION**  
of the  
**BOROUGH OF NEW PROVIDENCE**  
Resolution No 2013-046

Council Meeting Date: 01-14-2013

Date Adopted: 01-14-2013

TITLE: RESOLUTION APPROVING PURCHASE ORDER #45450 FOR  
MONARCH ELECTRIC CO., FOR LIGHTS AND POLES, IN THE  
AMOUNT OF \$7,014.00

Councilperson Galluccio submitted the following resolution, which was duly seconded  
by Councilperson Muñoz.

BE IT RESOLVED by the Mayor and Council of the Borough of New Providence,  
in the County of Union and State of New Jersey, that they do hereby approve purchase  
as follows:

- Purchase Order Number - 45450
- Capital - 15—257-964-3-40039
- Amount - \$7,014.00

Said purchase order is made and approved in the form as attached hereto and  
made a part thereof. Funds for said purchase order are certified available from Current  
Budgeted Appropriations.

APPROVED, this 14<sup>th</sup> day of January, 2013.

## RECORD OF VOTE

	AYE	NAY	ABSENT	NOT VOTING
GALLUCCIO	X			
GENNARO	X			
KAPNER	X			
LESNEWICH	X			
MUÑOZ	X			
ROBINSON	X			
HERN			TO BREAK COUNCIL TIE VOTE	

I hereby certify that the above resolution was adopted at a meeting of the Borough Council held on the 14<sup>th</sup> day of January, 2013.

Wendi B. Barry, Borough Clerk

# BOROUGH OF NEW PROVIDENCE PURCHASE ORDER

45450

360 ELKWOOD AVE

Clerk-3566

MONARC

NEW PROVIDENCE, NJ 07974-1838

[www.newprov.org](http://www.newprov.org)

**SIGN & RETURN TO ADDRESS ABOVE**

DATE	1/9/2013
PAGE NO.	1
CHECK NO.	
TAX EXEMPT NO. 22-6002132	

VENDOR	SHIP TO
MONARCH ELECTRIC CO. 1 DODGE DRIVE, CN2225  WEST CALDWELL, NJ 07006	MUNICIPAL CENTER-CLERK 360 ELKWOOD AVE  NEW PROVIDENCE, NJ 07974 Attn: DENISE GELORMINI

**SPECIAL INSTRUCTIONS**

BRC: 0098529

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1	PURCHASE AND DELIVERY OF THREE LIGHTS AND POLES FOR EXPANSION OF VETERANS PARK 15--257-964-3-40039		1.00	
2	COOPER LIGHTING STREETWORKS DAYFORM TRADITIONAL LUMINAIRE UTD10SRW334 W/ PHOTOCONTROL RECEPTICALE 15--257-964-3-40039	3	699.00	2,097.00
3	SHAKESPEARE COMPOSITE STRUCTURES MADISON POLE AM1714FS11G1 - POLE SHALL INCLUDE ON GFI OUTLET 15--257-964-3-40039	3	1,639.00	4,917.00
<b>NO ORDER VALID UNLESS SIGNED BELOW</b>			<b>TOTAL</b> →	<b>7,014.00</b>

**CERTIFICATION OF AVAILABLE FUNDS**

*Marcia Marino*  
FINANCE DEPARTMENT

\_\_\_\_\_  
PURCHASING AGENT

**DEPARTMENT HEAD CERTIFICATION**

I certify that the materials and supplies have been received or the services rendered.

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
DATE

**APPROVAL FOR PAYMENT**

\_\_\_\_\_  
COUNCIL MEMBER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
ADMINISTRATOR

\_\_\_\_\_  
DATE

**VENDOR CERTIFICATION AND DECLARATION**



I do solemnly declare and certify under the penalties of the law that the within bill is correct in all its particulars; that the articles have been furnished or services rendered as stated therein; that no bonus has been given or received by any person or persons within the knowledge of this claimant in connection with the above claim; that the amount therein stated is justly due and owing; and that the amount charged is a reasonable one.

**X**

\_\_\_\_\_  
VENDOR SIGN HERE

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
VENDOR SOCIAL SECURITY NO. OR TAX I.D. NO.

**VOUCHER - SIGN AT (X) AND RETURN FOR PAYMENT (SEE CONDITIONS ON REVERSE SIDE)**

B O R O U G H O F  
**NEW PROVIDENCE**

SETTLED IN 1720

J. Brooke Hern, Mayor

Andrew R. Hipolit, Borough Engineer

Mark G. Demareski, Assistant Engineer

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**MEMORANDUM**

To: Doug Marvin, Borough Administrator

From: Andrew Hipolit, P.E., Borough Engineer ~~NON~~

CC: Wendi Barry, Borough Clerk (w/attachment)  
Mark Demareski, Assistant Borough Engineer  
Jim Johnston, Public Works Manager

Dated: January 9, 2013

**RE: Resolutions for Award  
Purchase of three (3) Lights and Poles  
Expansion of Veterans Park  
124 South Street**

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Request for Proposals were mailed out to three (3) vendors on December 5, 2012. This RFP consists of three (3) new light and poles that were recommended by the Public Works Department for the Expansion of Veterans Park. The assembly and installation of the lights and poles will be performed by a separate Contractor.

One (1) vendor submitted a proposal. The bidder was Monarch Electric Company with a Base Bid of \$7,014.00. This work includes the furnishing and delivering of three (3) lights and poles to the Public Works Yard for installation at 124 South Street.

- Monarch Electric \$ 7,014.00
- Turtle and Hughes No Proposal
- Cooper Electric No Proposal

Total funding for award of this RFP is available in Capital Account #15--257-964-3-40039

I hereby recommend the Mayor and Council award a Purchase Order to Monarch Electric Company One Dodge Drive, West Caldwell, New Jersey 07006 for the Purchase of three (3) Lights and Poles in the amount of \$7,014.00.

Attached is a copy of the received Request for Proposal.

File: Downtown Improvements / Expansion of Veterans Park / Purchase of Lights and Poles  
Capital Account #15--257-964-3-40039

Fax:

Dec 7 2012 11:36am P002/010

B O R O U G H O F  
**NEW PROVIDENCE**

J. Brooke Hern, Mayor

Andrew R. Hipolit, Borough Engineer

Mark G. Demareski, Assistant Engineer

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December 5, 2012

Bill McKinley  
Vice President of Sales  
Monarch Electric  
One Dodge Drive  
West Caldwell, NJ 07006

**Re: Request for Proposal  
Expansion of Veterans Park  
124 South Street  
Purchase of Lights and Poles  
Borough of New Providence  
Union County, New Jersey**

Dear Mr. McKinley,

Attached please find a Request for Proposal (RFP) for the purchase and delivery of three (3) lights and poles. Please review the RFP and submit your bid by 12 P.M, Wednesday December 12, 2012. All bids should be addressed to: **The Borough of New Providence, Engineering Department, 360 Elkwood Avenue, New Providence, NJ 07974, ATTN: Andrew R. Hipolit, P.E., Borough Engineer.**

If you have any questions or require additional information, please give me a call at (908) 665-8250.

Very truly yours,



Andrew R. Hipolit, P.E.  
Borough Engineer

CC: Doug Marvin, Borough Administrator  
Wendi Barry, Borough Clerk  
Jim Johnston, Public Works Manager  
Mark Demareski, Assistant Borough Engineer  
File: Downtown - Expansion of Veterans Park - Purchase of Lights and Poles

Fax:

Dec 7 2012 11:36am P009/010

**REQUEST FOR PROPOSAL  
BOROUGH OF NEW PROVIDENCE**

Sealed proposals will be received by the Borough of New Providence, Engineering Department on 12 Noon Wednesday December 12, 2012 for:

**Expansion of Veterans Park  
124 South Street  
Purchase of Lights and Poles**

All proposals shall be addressed to Andrew R. Hipolit, P.E., Borough Engineer, 360 Elkwood AVENUE, New Providence, NJ 07974. Bids, along with bid securities, must be enclosed in a properly SEALED envelope bearing on the outside the name of the bidder and the NATURE OF THE BID CONTAINED THEREIN.

Bidders, when appropriate, shall comply with the provisions of the following laws of New Jersey: P.L. 1963 c. 150 (Prevailing Wage Act); P.L. 1977 c.33 (Corporation and/or Partnership Owner Information); and any subsequent amendments thereto. Bidders are required to comply with the provisions of P.L. 1975, c. 127, (NJAC 17:27) (Affirmative Action). Bidders shall be required to provide a performance bond and a one (1) year maintenance bond for the project. Bidders shall furnish proof of insurance.

The Borough of New Providence reserves the right to reject all proposals, waive any minor defects, and in the case of a tie, award on the basis of reasonable grounds, or accept the bid that in its judgment will be for the best interests of the Borough of New Providence, and consider bids for sixty (60) days after their receipt.

The items to be purchased for the project are as follows:

- Purchase of Three (3) Lights and Poles
- Contractor to deliver to the Department of Public Works located at 7 Park Place

The contractor shall provide a lump sum price for the delivery of three (3) Lights and Poles, appurtenances for that complete functional system as directed by the Borough Engineer. The minimum contract value will be \$5,000 up to a maximum amount of \$17,500. The contractor shall not perform any work that will exceed the maximum contract amount.

The Lump Sum price bid for the Purchase of Lights and Poles shall include all labor, delivery, materials, bonds, insurance and equipment for three (3) Lights and Poles. Attached are the specifications and insurance requirements for the project.

The work contemplated under this contract shall be completed by **February 28, 2013.**

If you have any questions or require additional information, please call Mark Demareski, Asst. Borough Engineer at (908) 665-1129.

Andrew R. Hipolit, P.E.  
Borough Engineer



a USESI company

ORDER QUOTED BY	
MONARCH ELECTRIC COMPANY	
LIGHTING PROJECT SALES	
1 DODGE DRIVE	
WEST CALDWELL , NJ 07006	
PH: 973-227-4151	FAX: 973-808-1949

# QUOTATION

QUOTATION NUMBER
1601383-00

## WHOLESALE ELECTRICAL DISTRIBUTORS FOR CONSTRUCTION AND INDUSTRY

QUOTED TO: 113442
BOROUGH OF NEW PROVIDENCE ATN: JIM JOHNSTON PUBLIC WORKS DEPT 360 ELKWOOD AVENUE NEW PROVIDENCE NJ 07974

FOR SHIPMENT TO:
BOROUGH OF NEW PROVIDENCE ATN: ANDREW R. HIPOLIT PUBLIC WORKS DEPT 360 ELKWOOD AVENUE NEW PROVIDENCE NJ 07974

QUOTED BY		DATE QUOTED	PHONE NUMBER	CUSTOMER REFERENCE NUMBER		
DAN F MCCANN		12/10/12	908-665-8250	VETERANS PARK		
Line	Quantity Required	Item Number	Description	Unit Price	U/M	Extended Amount
1	3	SHAKEAM179FS11G1	AM17-9FS11-G1 9' FIBERGLASS ANCHOR BOLT POLE BLACK FINISH, GFI & ANCHOR BOLTS INCLUDED	1639.00	E	4917.00
2	3	COOPER10SWW33L4	UTD10SWW33L4 W/OA/RA1016 W/LAMP INCLUDED	699.00	E	2097.00
3			***** HARD COPY TO FOLLOW BY MAIL *****			
				SUBTOTAL		7014.00
				SALES TAX		.00
				SHIP & HANDL		.00
				MISC CHARGES		.00
				<b>QUOTE TOTAL &gt;&gt;&gt;</b>		<b>7014.00</b>

NAME (PRINTED)

NAME (SIGNED)

DATE

FAX BACK CONFIRMATION WITH SIGNATURE REQUIRED TO PLACE THIS QUOTE AS AN ORDER:

YES  NO

THIS QUOTE IS VALID FOR 30 DAYS FROM DATE OF ISSUE AND CANNOT BE CHANGED OR ALTERED IN ANY WAY, SHAPE OR FORM, WITHOUT WRITTEN AUTHORIZATION FROM USESI. BY MY SIGNATURE ABOVE, I, A DULY AUTHORIZED REPRESENTATIVE OF THE ABOVE NOTED COMPANY OR ENTITY, DO HEREBY ACCEPT ALL OF THE STATED TERMS AND CONDITIONS CONTAINED HEREIN.

**BID PROPOSAL FORM**

(Return this form with all other required bid documents)

FROM: Monarch Electric Co.  
(Bidder)  
1 Dodge Drive  
(Address)  
West Caldwell, NJ 07006

12/10/12  
(Date)

TO: ENGINEERING DEPARTMENT  
 BOROUGH OF NEW PROVIDENCE  
 360 ELKWOOD AVENUE  
 NEW PROVIDENCE, NEW JERSEY 07974

The undersigned being familiar with the Specifications for:

**Expansion of Veterans Park  
 124 South Street  
 Purchase of Lights and Poles**

Including the Request for Proposal, project construction details, all Bid Proposal forms, and Addenda (if any) thereto, as prepared by the Engineering Department and hereby proposes to furnish, in compliance with the provisions thereof, all labor, materials and services required to construct said project and/or provide such product and/or service.

In submitting this bid, it is understood that the unrestricted right is reserved by the Borough Council to reject any and all bids. If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within sixty (60) days after the date of opening of the Bids, the undersigned will within ten (10) days after the date of such notice, execute and deliver the necessary Contract Documents as provided herein.

We, the undersigned, propose to deliver and install pursuant to this bid package for the installation of these Lights and Poles for Various Locations by an Electrical Contractor:

QUANTITY	ITEM	BID PRICE (fill in unit price)	TOTAL (fill in total price)
(3) UNITS	PURCHASE AND DELIVERY OF THREE (3) LIGHTS AND POLES: <u>Two Thousand Three Thirty Eight</u> <small>(WRITE UNIT PRICE)</small>	<u>(\$2,338.<sup>00</sup>)</u> <small>(PER UNIT)</small>	<u>\$ 7,014.<sup>00</sup></u> <small>(TOTAL LUMP SUM)</small>

The project is to be delivered by the contractor as a result of performing the work in accordance with the RFP and as follows.

**Expansion of Veterans Park  
124 South Street  
Purchase of Lights and Poles**

**Description of Lights and Poles**

The project includes the delivery of the Three (3) Lights and Poles, supplied by the Contractor to the Borough at the Department of Public Works Yard for the installation at various locations

The Contractor shall provide the following lights and poles or approved equal:

- Cooper Lighting Streetworks UTD Dayform Traditionaire Luminaire Model No. UTD10SRW334 with OA-RA1016 (Luminaire shall include Photocontrol Receptacle).
- Shakespeare Composite Structures Madison Pole Model No. AM17-14FS11-G1 (Pole shall include one (1) GFI outlet).
- Pole Height shall be 9'-0"

**Description of Work**

1. Contractor shall be responsible to furnish, deliver and unload the three (3) lights and poles to the Department of Public Works Yard located at 10 Park Place.
2. Contractor is responsible for all delivery and coordination of day and times with the Department of Public Works at (908) 655-1076 two (2) days prior to delivery date.
3. Contractor shall provide all material, labor, equipment, and services necessary to unload all (4) four lights and poles.
4. Damage to the lights and poles will be the Contractors responsibility prior to the acceptance of the three (3) lights and poles by the Public Works Department.
5. Contractor shall be responsible for the disposal of all material and debris.
6. Maintenance Bond shall be furnished for a one (1) year period after work has been completed and approved.
7. Any other work of any type or description necessary for the completion of this project will be required, whether or not specifically shown on the plans or specifications herein
8. The contractor shall not perform any work that will exceed the maximum contract amount.

**ATTACHMENTS:**

Copy of the (3) sheets of light and pole details

**TIME OF COMPLETION AND FAILURE TO COMPLETE ON TIME:**

All work contemplated under this RFP shall be completed by February 28, 2013.

**INSURANCE AND INDEMNIFICATION**

**A. Types and Amounts of Required Insurance**

The Bidder shall maintain insurance of the types marked by  below. The minimum amounts of insurance to be carried by the Bidder during the life of the contract shall be as listed.

- a. Workers' Compensation and Employer's Liability Insurance

Adequate Workers' Compensation and Employer's Liability Insurance for all employees employed in connection with the work. Each subcontractor shall provide Workers' Compensation and Employer's Liability Insurance for the latter's employees, unless such employees are covered by the protection afforded by Contractor's insurance.

Employers Liability Insurance shall have limits not less than \$500,000 per accident, or \$100,000 per claim.

- b. Public Personal Injury Liability and Property Damage Liability Insurance, including contingent liability, contractual liability and completed operations liability insurance.

One person in any one occurrence .....\$500,000.  
Two or more persons in any one occurrence .....\$1,000,000.  
Property damage in any accident.....\$250,000.  
Aggregate property damage limit .....\$500,000.

OR

Combined Single Limit.....\$1,000,000.

Property damage coverage shall be extended to cover damage to underground wires, ducts, pipes, conduits, etc.

- c. Automobile Liability Insurance

One person in any one occurrence .....\$500,000.  
Two or more persons in any one occurrence .....\$1,000,000.  
Property damage in any one occurrence.....\$250,000.

OR

Combined Single Limit.....\$1,000,000.

The policies shall remain in effect until all work has been completed. The Bidder shall ascertain the cost of all required insurance before preparing and submitting the bid.

### **B. Certificates of the Required Insurance**

Certificates for the insurances as listed above shall be submitted before the contract can be prepared as evidence covering Comprehensive General Liability, Comprehensive Automobile Liability, and where applicable, necessary Worker's Compensation and Employer's Liability Insurance. Such coverage shall be with acceptable insurance companies operating on an admitted basis in the State of New Jersey and shall name the OWNER as an additional insured.

The certificate of insurance furnished by the Bidder shall specify that the indemnification below is guaranteed by the policy. The certificate shall also state that the Bidder's insurance for public personal injury liability and property damage liability (in paragraph b. above) and automobile liability (in paragraph c. above) names the Borough of New Providence as an additional named insured.

All of the Bidder's insurance coverage shall contain a clause requiring the insurance company to notify the Borough at least 30 days prior to cancellation of any policy.

### **C. Indemnification**

Successful bidder will indemnify and hold harmless the Borough, its officers, agents, and employees, from all claims, suits or actions and damages or costs of every name and description to which the Borough may be subjected or put by reason of injury to the person or property of another, or the property of the Borough, resulting from negligent acts or omissions on the part of the bidder, the bidder's agents, servants or subcontractors in the delivery of materials and supplies, or in the performance of the work under this agreement.

### **D. Subletting**

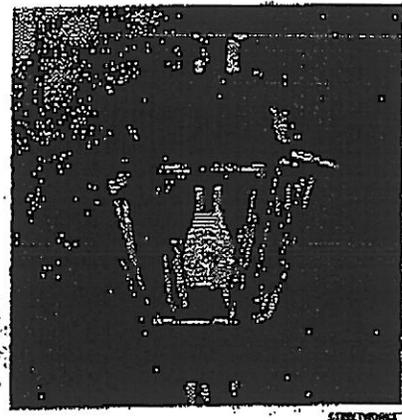
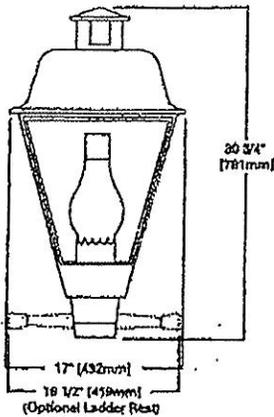
If any work is sublet, each subcontractor shall provide the same types and limits of insurance as required in a, b, and c, above by the contractor, unless the subcontractors are covered under the contractor's insurance.

DECORATIVE

# UTD DAYFORM TRADITIONAIRE

POST-TOP AREA LUMINAIRE

50-175W  
MH/HPS



**DARK SKY COMPLIANT** CO

**ORDERING INFORMATION**

SAMPLE NUMBER: UTD50SR2664

JCP+L Catalog number is UTD9009BK which is equal to

PRODUCT FAMILY  
UTD-Dayform  
Traditionaire

LAMP WATTAGE  
50-150W  
70-100W  
10-100W  
15-150W  
17-175W

LAMP TYPE  
High Pressure Sodium  
Mercury Vapor

BALLAST TYPE  
M-Rec.HPF  
M-Hi-Rec.HPF  
P-Hi-Rec.HPF  
R-Rec.HPF

VOLTAGE  
120V  
200V  
240V  
277V  
480V  
347V  
W=Auto-Tap wired 120V  
N=Auto-Tap wired 277V

DISTRIBUTION  
22-Type II  
33-Type III  
35-Type V

OPTIONS + ACCESSORIES  
(See Below)

**HOUSING + COVER**  
304 stainless steel body with  
black powder coated finish  
with stainless steel  
hardware. Includes  
factory installed  
cupola cover with  
aluminum eagle  
emblem.

**SOCKET**  
Standard 2-pin socket  
(Mains wired 120/277V)

**REFLECTOR**  
Optional stainless steel  
reflector

**REFRACTOR**  
Optional stainless steel  
refractor with  
prismatic lens

**CHIMNEY**  
Optional stainless steel  
chimney

**BALLAST**  
Optional 2-pin ballast  
with 2-pin socket  
terminal type  
with stainless steel  
legs

**FOOTCANDLE**  
Footcandle readings  
at 12, 16, and 20 feet  
from luminaire. See  
square footcandle  
table for more  
information.

**FINISH**  
304 stainless steel  
with black  
powder coated  
finish. See  
technical data  
for more  
information.

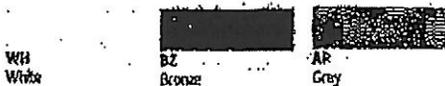
**OPTIONS + ACCESSORIES (Must be ordered in alphanumeric order)**

OPTIONS (add as suffix)  
E-Photocontrol Receptacle  
W-White  
BZ-Bronze  
AR-Grey  
E-Factory installed Cupola Cover with  
Cast Aluminum Eagle

H-Plug-in Starter Receptacle  
L-Factory installed Ladder Rest  
S-Strip Latches for Toolless Lamp Replacement  
U-UL/CSA Listed  
W-20' #10 Leads Installed

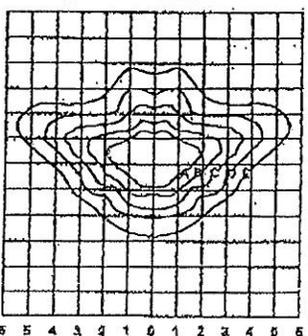
ACCESSORIES (order separately)  
TRTBK-Decorative Ladder Rest for Field Installation

**OPTIONAL COLORS (Standard color is black, other finish colors available. Consult your Cooper Lighting representative)**

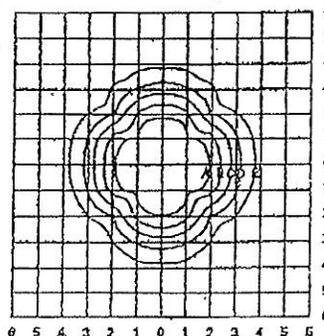


\*Figure includes phosphor bronze P.R. contacts

**PHOTOMETRICS (Complete IES files available at www.cooperlighting.com)**



UTD15592.IES  
150-Watt HPS  
16,000-Lumen Lamp  
Type III



UTD15555.IES  
150-Watt HPS  
16,000-Lumen Lamp  
Type V

**FOOTCANDLE TABLE**

Select mounting height and read across  
for footcandle values of each footcandle  
line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
<b>UTD16573.IES</b>					
12'	3.54	1.77	0.88	0.44	0.17
16'	2.00	1.00	0.55	0.25	0.10
20'	1.28	0.64	0.32	0.16	0.06
<b>UTD16558.IES</b>					
12'	3.54	1.77	0.88	0.44	0.17
16'	2.00	1.00	0.55	0.25	0.10
20'	1.28	0.64	0.32	0.16	0.06

IPA:  
Cabinet Projected Area: 2.5

SHIPPING DATA  
Approximate Net Weight:  
35 lbs., 11.4 lbs.

NOTE: 150W units are the 250 Lumens. Refer to technical section for luminaire change procedure. A medium size pendant socket is standard - 100W and 150W.

**COMPOSITE  
TUFF-POLE**

**M17**

Madison Style, 17" Anchor Base and Direct Burial

THE HISTORICAL SERIES

*Madison*

Distinctive, classical beauty

Virtually maintenance free, durable fiberglass reinforced composite

One-piece construction

Smooth or fluted, tapered shafts

Standard or custom finishes and colors

Seven standard, 23 premium colors; architectural colors available

Gloss or semi-gloss finishes standard; custom finishes available

Mounting heights of 9.5, 12, or 15 feet; custom heights to 20 feet

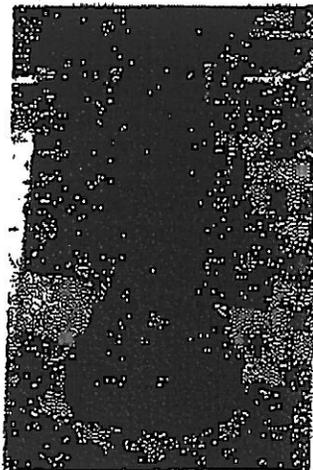
Superior wind, loading, and environmental tolerance

Non-conductive for safety

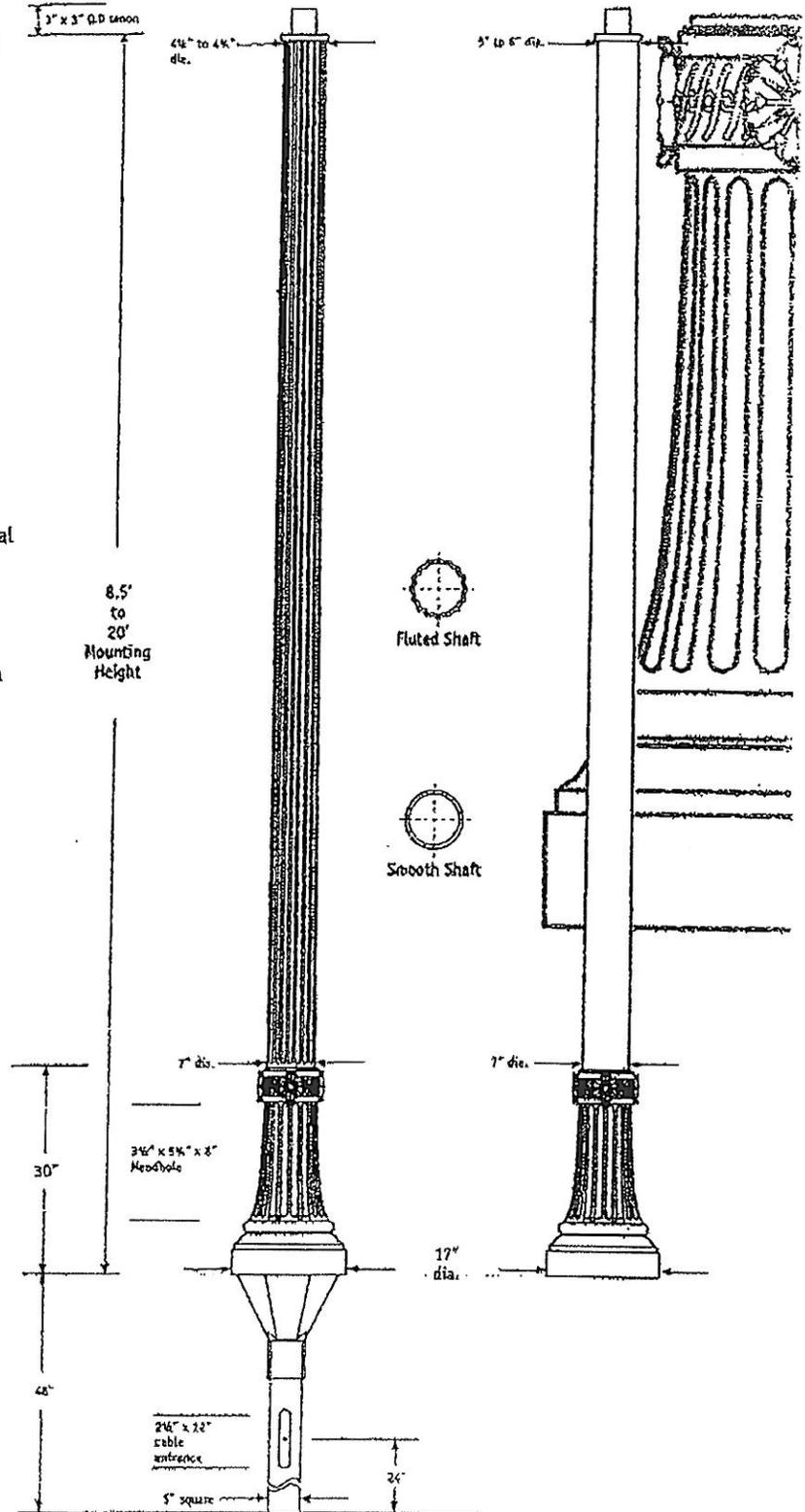
Molded-in color; UV and weather resistant polyurethane coating

Standard 3" x 3" dia. aluminum tenon for luminaire mounting

Anchor Base or Direct Burial



Shopping Center

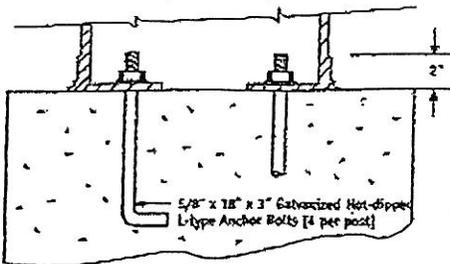


*Madison*

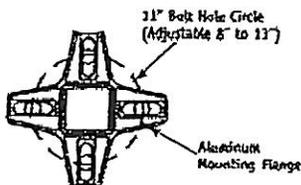
# AM17 and BM17 Madison, 17" Anchor and Direct Burial Base

All dimensions and specifications provided and subject to change without notice or obligation. Please contact factory before site preparation begins.

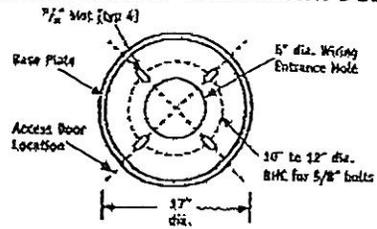
**Suggested Anchorage Detail  
(Anchor Base)**



**Optional  
Composite Burial Foot**



**Madison Anchor Bolt Pattern Detail**



**OPTIONS**

3-Bolt Base or optional Bolt Circle: contact factory.

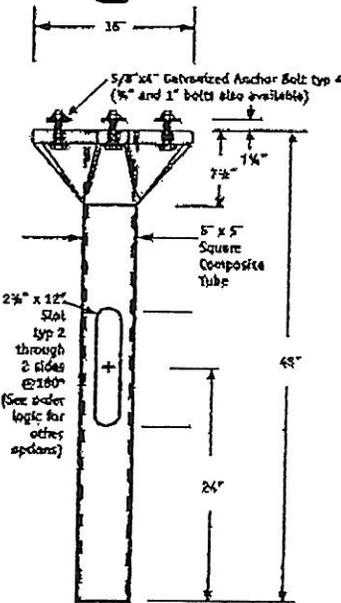
Weatherproof receptacle mounted 9" from top of pole, 90° clockwise from handhole: add "W1" to the catalog number.

Weatherproof receptacle mounted 18" from the top of the base on the shaft, 90° clockwise to the handhole: add "W2" to the catalog number. For other receptacle options, specify or contact factory.

Banner arms, flag brackets, luminaires, and other attachments are available. Contact factory.

Decorative Twin Fixture Crossarms (Catalog number A-30) add "A1" to pole catalog number. See Arms and Brackets brochure for other decorative twin arms.

Detachable Composite Burial Foot permits direct burial of foot prior to mounting. See Burial Foot brochure for specifications and catalog numbers.



**How to Specify**

**Description:** The pole shaft and base (and internal mounting flange) shall all be molded of non-corroding fiberglass reinforced composite, pigmented throughout, and finished in the same color as specified. The (fluted) shafts shall be tapered and formed with 16 flutes separated by semi-flat ribs. The (smooth) shafts shall be filament wound with a smooth, tapered surface. The base shall be shaped similar to Shakespeare Composite Structures Madison style AM17 (anchor base) / BM17 (direct burial).

**Dimensions:** The pole shall be 9.5, 12, or 15 feet mounting height (custom heights to 20') with a 17-inch diameter base. A 3" diameter by 3" high aluminum tenon shall be provided for luminaire mounting. (Direct Burial) The direct burial foundation shall be 48" overall length and provided with a 2.5" x 12" conductor entrance centered 24" from the bottom of the direct burial base (see order logic for other options). (Anchor Base) The internal mounting flange shall be provided with four 13/16" slots to accommodate 4 anchor bolts 5/8" x 18" x 3" in a 10" to 12" bolt circle.

**Construction:** The shaft shall be round with a uniform taper along the fluted (smooth) shaft. A handhole with a weather resistant cover shall be provided in the base for wiring access (if anchor base) and anchorage. The opening shall be no smaller than 3.5" wide at the top by 5.25" at the bottom by 8" high. The cover shall be made of fiberglass reinforced composite and shall bear the manufacturer's name. The cover shall be attached with 3 stainless steel flat countersunk hex socket head screws. Threaded inserts shall be incorporated in the pole base.

The (anchor base) mounting flange shall be molded in one piece of fiberglass reinforced composite with a minimum thickness of 1/2" and shall be permanently bonded flush to the bottom of the base. Each pole shall be finished with a (glossy / semi-gloss) weather resistant polyurethane having a minimum dry film thickness of 1.5 mils.

(Add "Performance and Testing Requirements" from Specification Data sheet.)

**EPA Rating**

Madison M17 style poles are engineered to withstand at least 100 mph wind forces (calculated per AASHTO standards and including a 30% gust factor), with luminaires up to 4.6 EPA (sq. ft.) weighing up to 150 pounds. For other loading requirements, contact factory.

**Catalog Numbers  
for Madison Style 17"**

<b>Base Type</b> A=Anchor Base B=Direct Burial Style H=Madison	<b>Shaft Type</b> F=Fluted S=Smooth	<b>Color</b> 1=Black 2=Gray 3=Brown 4=Dark Green 5=Dark Bronze 6=Silver 7=White 9=Specify*	<b>Options</b> (See "Options" above)
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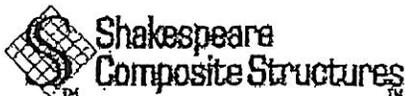
Matching Bollard also available. Contact Factory.

**AM17** - 14 F S 1 1 1

<b>Base Dia. (in.)</b> 17" dia.	<b>Mounting Height (ft.)</b> 9.5, 12, 15, or custom up to 20	<b>Finish</b> G=Gloss S=semi-gloss
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<b>Direct Burial Conduit Entrance</b> (use "1" for Anchor Base)		
Location from bottom of pole	1 ea. 2"x12"	2 ea. 2"x12" @ 180°
None	1	1
12"	2	3
18"	4	5
24"	6	7
Other (specify)	0	0

\*Standard, premium, and architectural colors are available. See Tuff-Pole® Color Palette brochure.



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