





I n t r o d u c t i o n

For more than 30 years, Valmont has offered municipalities and state departments steel and aluminum poles and structures to meet the most demanding requirements. We have built our reputation on a company-wide commitment to customer service, innovation, and cost control. Most importantly, we put our experience, understanding of specifications and reputation for excellence into everything we design and manufacture.

With our breadth of products, Valmont is unmatched in our ability to merge standard products with decorative products. Whether you're revitalizing your main street or developing a major intersection, Valmont offers a complete traffic and lighting solution. Simply stated, we're a one-stop shop that leverages your community's needs from lighting to transportation management.

Meeting the needs of you, our customer, is Valmont's top priority. No matter how large or small your order, whether it is a standard product or specially designed to meet your requirements, our focus is to provide a quality product, to deliver that product on time and on spec, and ultimately, to make your community a safer, better place.

Our product offerings include:

- Standard traffic signal poles
- Decorative traffic signal poles
- Standard street lighting poles
- Decorative street lighting poles
- Sign structures
- Light rail poles
- Specialty structures

Our focus is to provide quality product, on time and on spec, and ultimately, to make your community a safer, better place.

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MANUFACTURING

Valley, Nebraska, USA
Steel Poles

Commerce City, Colorado, USA
Composite Poles

Selbyville, Delaware, USA
Wireless Communication Structures,
Components, and Specialty Products

Elkhart, Indiana, USA
Steel and Aluminum Poles

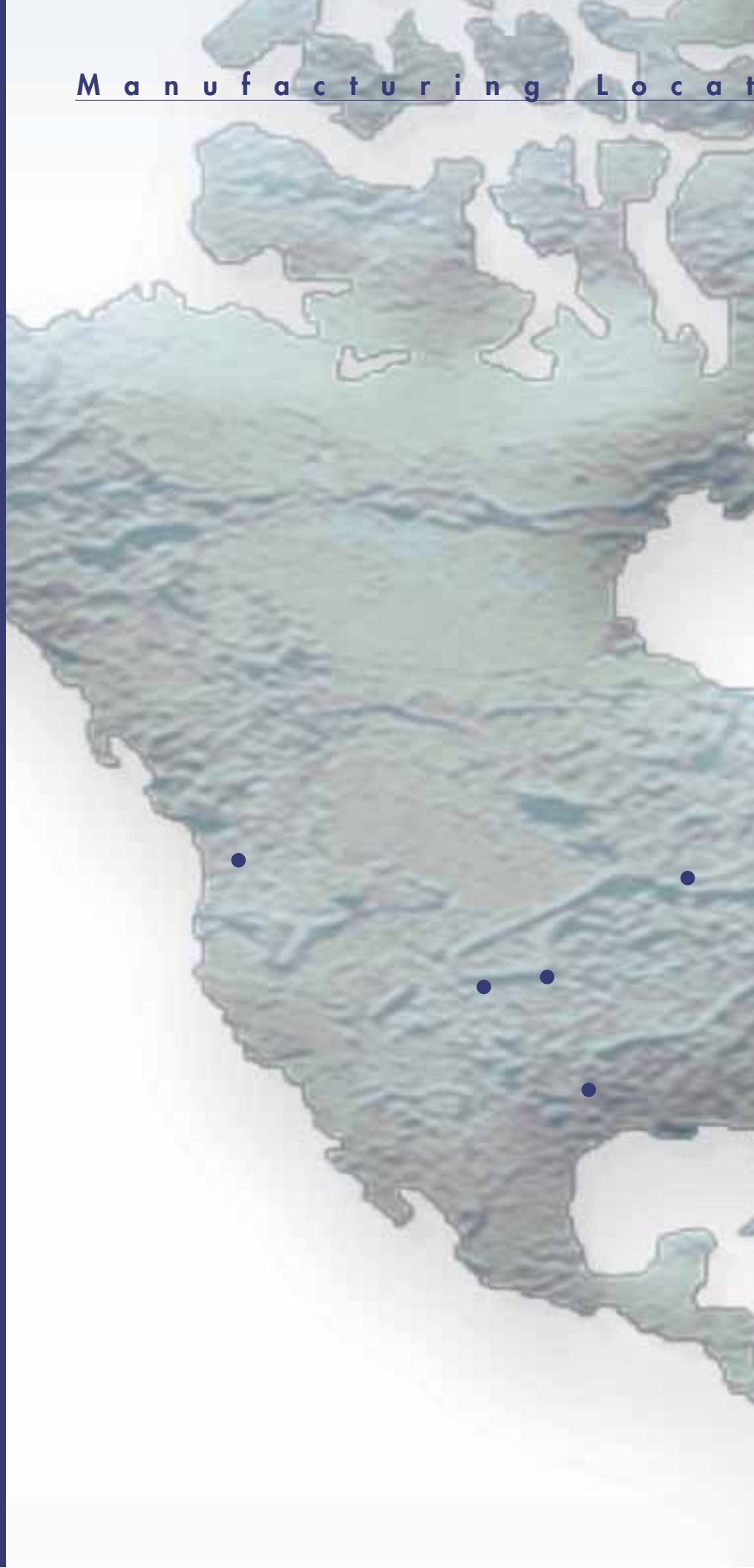
Plymouth, Indiana, USA
Wireless Communication Structures,
Components, and Specialty Products

Farmington, Minnesota, USA
Aluminum Poles

Salem, Oregon, USA
Wireless Communication Structures,
Components, and Specialty Products

Brenham, Texas, USA
Steel Poles

St. Julie, Quebec, Canada
Steel and Aluminum Poles





Our North American manufacturing locations are strategically located to fulfill our customer's ever-changing needs. Our facilities are AISC certified and supported by AWS approved welders. By sharing manufacturing and engineering practices across our network, we are better able to leverage our existing products and processes, resulting in shorter lead times. Wherever you are, Valmont is there – helping make your community a safer, better place.

TIMELINE

- 1946 Robert Daugherty founds a farm equipment manufacturing company in Valley, NE.
- 1959 Valmont begins manufacturing steel pipe and tubing.
- 1960s Valmont integrates electro-resistance welding in tapered tube production. This enables Valmont to expand into the pole industry.
- 1968 Valmont becomes a publicly traded company (Currently, NYSE: VMI).
- 1970 Valmont enters transportation market.
- 1991 Valmont acquires Feralux, a Canadian manufacturer of aluminum poles and sign structures.
- 2000 Valmont acquires Lexington Standard, manufacturer of aluminum poles.
- 2003 Valmont enters into the sign structure industry.
- 2004 Valmont acquires W. J. Whatley, manufacturer of composite poles. Valmont acquires Sigma Mfg., manufacturer of sign structures.
- Present Valmont continues to be a leader in the manufacturing of transportation structures.

T r a f f i c S t r u c t u r e s

Standard Traffic

Valmont offers a vast array of traffic pole configurations to meet your needs. Whether you are looking for standard product or decorative product, Valmont delivers.



Our standard steel traffic poles help improve intersection functionality and appearance with their simple, clean designs. Our structures are available with standard fixed connection or with unique adjustable clamp-on connection for use with either straight or curved mast arms, with or without additional luminaire arms. Valmont offers a complete package tailored to exact specifications with a wide range of design, and our poles conform to meet your unique loading requirements. At Valmont, we design our traffic structures to exacting government standards, whether to 1994 AASHTO or 2001 AASHTO Specifications. Rest assured, our designs help keep your intersections safe and reliable.



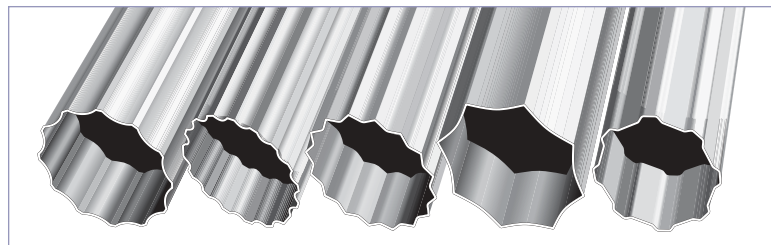
T r a f f i c S t r u c t u r e s

Decorative Traffic

Valmont's historic and contemporary decorative traffic poles are an attractive choice for residential neighborhoods, urban areas, and downtown redevelopment projects. Their ornamental designs and clean, simple arm attachments also help improve intersection appearance. Our combination structures include both traffic and lighting applications in a variety of styles and configurations.

Our innovative manufacturing process creates a variety of fluted cross-sectional shapes ranging from 8, 12 or 16 flutes per pole. Shape options include sharp, flat or gear-tooth flutes. Custom cross-sections are also available to meet your unique needs. Ask us about our decorative pole caps, cast nut covers, channel scrolls, and cast bases.

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www.valmont.com



Street Lighting

Standard Lighting



You can depend on Valmont's high quality steel and aluminum poles for an appealing solution to your street lighting needs. Our shafts are available in single-piece, up to 50 feet. We offer round tapered, straight round, straight square or square tapered poles for either single or multiple light fixtures, with a choice of davit, truss and monotube arms. Accessories include transformer bases, bracket arms, poles caps, nut covers and hinged handholes.

If your project calls for lighting interstate or large highway exchanges, Valmont is your choice for high mast lighting poles. Our single tube structures reach heights up to 175 feet and are adaptable to lowering devices or fixed mounting arrangements.

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S t r e e t L i g h t i n g

Decorative Lighting



When your project requires steel or aluminum decorative lighting poles, Valmont has the answer. We have been enhancing streetscapes, walkways and residential neighborhoods for years with historic and contemporary designs.

We meet your unique needs with the ability to create a variety of fluted cross-sections, including sharp, flat, or gear-tooth flutes at 8, 12 or 16 flutes per pole. We will help you with custom cross-sections, as well as, decorative pole caps, cast nut covers, banner arms and cast bases.



Sign Structures





Valmont is a leading supplier of steel and aluminum sign structures in North America. We offer cantilever and overhead span sign structures in various styles – curved monotube, single-chord, two-chord, tri-chord or box-chord. We manufacture structures to government specifications and custom-design structures to meet specific needs.

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Light Rail

Valmont helps lead the way on inner-city transit systems with a complete line of structures, including catenary and transition poles, plus the adjacent lighting and traffic control structures. We manufacture high quality poles that help ease your community's transportation congestion and growing needs. To enhance the aesthetic appeal of the residential to urban transition, we merge our decorative product offering with standard products to provide a one-stop shop. We also provide area lighting poles for park and rides for safe, commuter transportation. Valmont is a member of IEEE/OCS and contributes to the structural specifications for light rail poles.



Specialty Structures

In an ever-changing world, specialty structures play a vital role in making your community a safer, better place. Valmont offers an array of poles and structures for homeland security, traffic monitoring systems, airports, railroad yards, and even shipping ports.

Valmont has vast experience in providing steel and aluminum poles and structures for surveillance cameras, traffic sensors, highway advisory radio antennas, and dynamic message signs (DMS). In addition, we also provide reliable surface lighting for freight terminals and railroad yards to help improve visibility and freight movement.





Quality

Quality control is present from the moment an order is entered until long after it is fulfilled. From beginning to end, we work directly with our customers so that our products meet the highest quality standards while also being on time, on spec, and on budget. With personal attention, after-sale support, and high-quality products, Valmont helps engineering and planning professionals meet project deadlines and regulation requirements.



Safety

Safety is one of our top concerns. We recognize that our people are the reason behind Valmont's success, and we take great pride in our safety programs.

Valmont repeatedly exceeds industry standards. We follow recommended safety standards and stress the importance of safety at all levels.

Engineering & Design

Valmont is widely recognized as a leader in structural engineering, continually setting the standard for engineering, design and installation.

With more than 600 years of combined global experience in structural testing and design, Valmont's engineers have the resources, the capacity, and the capabilities to anticipate and fulfill our customers' needs. In fact, many of our engineers spearhead regulatory changes on national committees, such as AASHTO, TRB, NCHRP, ASCE, ANSI and IEEE/OCS. Simply stated, engineering is so ingrained into the Valmont philosophy that our engineering capacity and capabilities are what set us apart from the competition.

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At Valmont, we coat our products to provide a long-lasting appearance. We offer a full range of industrial finishing services including:

Galvanizing

One of the most common and effective ways to protect steel from corrosion is galvanizing, which provides steel with both interior and exterior protection from corrosion. This barrier coating is unique, differing from all other coatings in the way it bonds to the steel, and in the corrosion resistance of the resulting zinc surface.

Valmont is a pioneer and an industry leader in hot-dip galvanizing; in fact, Valmont is one of the United States' largest custom galvanizers. Simply stated, we are one of the only pole manufacturers that own our own galvanizing facilities, ultimately benefiting the production of your product from design to delivery.

Powder Coating

This process subjects low-molecular-weight solid resins to elevated temperatures, causing them to melt, flow, and chemically meld to form a durable, attractive, consistently finished protective coating.

Galvanizing Plus Finish Paint

By combining the best of both worlds, this process provides corrosion resistance with the attractiveness of finished protective coating.

Brushed or Anodized Aluminum

The anodizing process protects aluminum products with a durable, attractive finish. The process can produce a wide range of surface finishes — from bright and shiny to dull matte, in brilliant, subtle, or rich color schemes. Anodizing also enhances resistance to abrasion and corrosion and reduces surface electrical conductivity.

General

A Traffic Signal Pole System shall consist of a tapered pole, tapered traffic signal mast arm(s), luminaire arm(s) (if required), and anchor bolts.

Design

Design shall be in accordance with AASHTO, "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals."

Fabricator

The Fabricator shall be certified to AISC Fabricator Certified Quality Program. Proof of this certification will be required to ensure that the fabricator has the personnel, organization, experience, procedures, knowledge, equipment, capability and commitment to fabricate quality traffic pole structures.

Welding

All welding shall be in accordance with the American Welding Society (AWS) D1.1 Structural Welding Code. Tackers and welders shall be qualified in accordance with the code. Tube longitudinal seam welds shall be free of cracks and excessive undercut, performed with automatic processes, and be visually inspected. Longitudinal welds suspected to contain defects shall be magnetic particle inspected. All circumferential butt-welded tube splices shall be non-destructively tested.

Material Certifications

All structural steel materials shall be manufactured in the United States of America, and comply with the American Society for Testing and Materials (ASTM) specifications. Mill certifications shall be supplied as proof of compliance with the specifications.

Calculations

Calculations and detailed drawings shall be submitted demonstrating compliance with the AASHTO specifications. They shall include stress analysis on the mast arm, luminaire arm, pole, base plate, and anchor bolts. Maximum loads and stresses shall be determined for the most critical wind direction.

Pole

The pole shall be fabricated from coil or plate conforming to ASTM A572 or ASTM A595 Grade A with a minimum yield strength of 55 ksi. The pole shall be round in cross section and have a constant linear taper of 0.14 in/ft. The shaft shall be one piece, contain no circumferential welded splices, and be of a single ply (no laminated tubes). The pole shall have a reinforced 4.0" x 6.5" hand hole with cover located 1'-6" from the pole base. Each pole shall be provided with an end cap secured in place with set screws.

Signal Mast Arm

The mast arm shall be fabricated from coil or plate conforming to ASTM A572 or ASTM A595 Grade A with a minimum yield strength of 55 ksi. The arm shall be round in cross section and have a constant linear taper of 0.14 in/ft. All mast arms up to 50' in length shall be manufactured and shipped in one piece with no circumferential welded splices and be of a single ply (no laminated tubes). Each arm shall be provided with a cast end cap secured in place with set screws.

Base Plate

Base plates shall conform to ASTM A36 or ASTM A572. Plates shall be integrally welded to the tubes with a telescopic joint or a full penetration weld joint with a backing ring.

Anchor Bolts

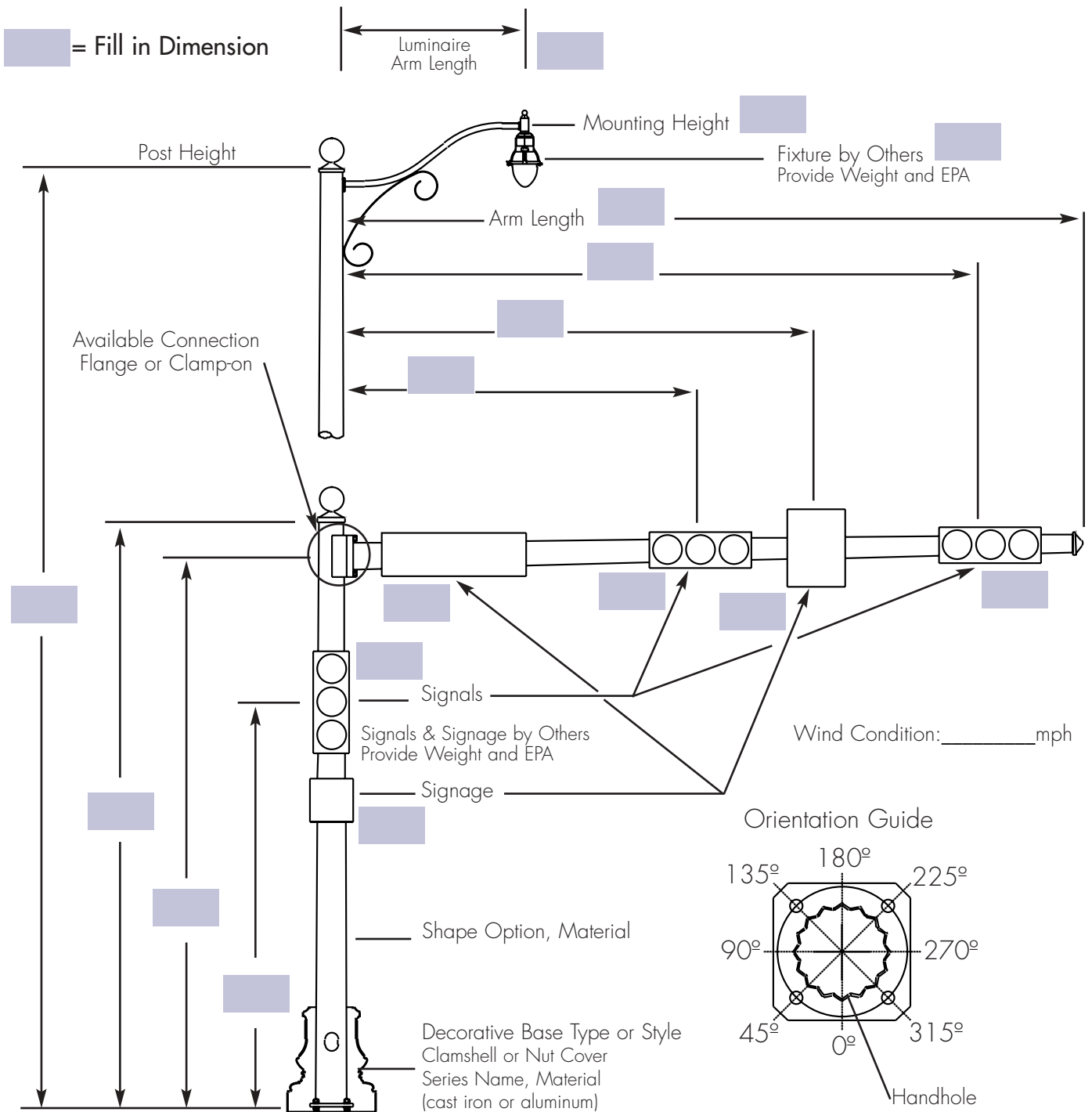
Anchor bolts shall conform to the requirements of ASTM F1554. The upper 12" of the bolts shall be hot dip galvanized per ASTM A153. Each anchor bolt shall be supplied with two hex nuts and two flat washers. The strength of the nuts shall equal or exceed the proof load of the bolts. A nut cover shall be provided for each anchor bolt and attached to the pole with a 0.25" stainless steel, self-tapping, hex head screw.

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Traffic Pole Design Information

The following information is required to provide complete specifications for your project. This includes the gauge and diameter of the post shaft, the size of the base (determined by the shaft dia.) and the anchor bolt size. Please fill in the boxes below.

- Local Structural Code
- Local Wind Condition
- Shaft Type (shape)
- Base Series
- Finish Type (galv., powdercoat, powdercoat over galv.)
- Equipment Mounted to Post
Width X Length (projected area)
Weight
Location (height and orientation)
Signal EPA to be calculated with backplates, if required.



Valmont's durable and attractive powder coat colors are chemical, corrosion and abrasion resistant. Enhance your pole's aesthetic appeal by selecting one of our custom powder coat colors. For more information about custom colors, contact Valmont at 1-800-valmont.

Standard Colors

Available in any quantity at no additional charge.



DB=Dark Bronze *SD



MB=Medium Bronze *SD



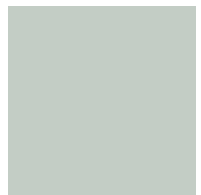
DG=Dark Green *SD



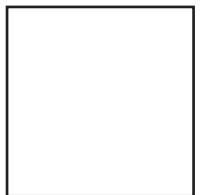
HG=Hunter Green *SD



BK=Black *SD



LG=Light Gray *SD



WH=White *SD

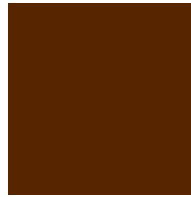
**SD=Super Durable Powder, a higher quality finish, provides enhanced resistance to chalking and fading, while improving color retention.*

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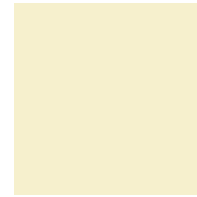


Readily Available Colors

Additional charges may be incurred.



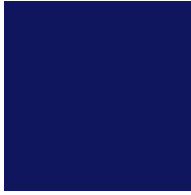
CB=Cocoa Brown



ST=Sandstone



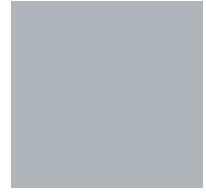
BR=Burgundy



BV=Dark Blue Violet



CG=Copper Green



SL=Silver



RD=Red

Choose from a rainbow of colors or Valmont can match a given color with large enough quantities and sufficient lead times.

PLEASE NOTE: Due to printing process, color chips may vary from actual paint color. Contact Valmont for paint samples.

Traffic Pole Cross-Sections





Valley, Nebraska, USA
Farmington, Minnesota, USA
Salem, Oregon, USA
Charmeil, France
Rive-De-Gier, France
Monterrey, Mexico

Commerce City, Colorado, USA
Elkhart, Indiana, USA
Selbyville, Delaware, USA
Siedlce, Poland
Maarheeze, The Netherlands
Berrechid, Morocco

Brenham, Texas, USA
Plymouth, Indiana, USA
St. Julie, Quebec, Canada
Gelsenkirchen, Germany
Shanghai, China
Chesterfield-Derbyshire, UK



Conserving Resources. Improving Life.

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