

INTRODUCING...

sectionMAX™



The New Standard in Sectional Steel Poles!



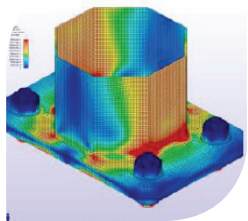
MTO and DSM Approved / CSA Certified



ACROSS CANADA

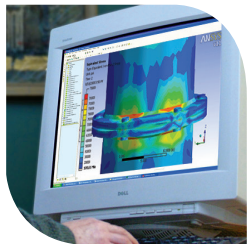
Continually Improving Our Customers' Experience

West Coast Engineering and Feralux are time-proven and trusted names in the Canadian lighting and transportation markets. Together, we serve Canadian customers from coast to coast under the Valmont Structures Canada umbrella.



ENGINEERED PRODUCTS THAT WORK, BRANDS YOU CAN TRUST

With design engineering and manufacturing operations in Eastern and Western Canada, as well as additional Valmont engineers and production facilities in the U.S., Europe, Asia, and Australia, no other Canadian pole manufacturer equals our unique combination of global resources and local expertise.



ABOUT THIS GUIDE

This **Section-MAX product selection guide** enables our valued customers across Canada to easily tap into our comprehensive selection of products and technical solutions. The PSG provides a superb overview of standard traffic products engineered to meet the Canadian Bridge Design Code, relevant CSA guidelines, and most importantly, Ministry of Transportation (MTO), Ontario Provincial Standards (OPS), Designated Source Materials (DSM) and/or Regional Municipal Specifications.



DEDICATED PEOPLE

Our products are only as good as the people who make them. Knowledgeable and experienced people can be found at all levels of our company – from our plant workers to our sales team and professional design engineers. Proudly, all of Valmont Structures employees are integral to our quality manufacturing, complete service, and dedication to understanding the needs of our customers.



OUR CUSTOMERS

As a trusted advisor and through exceptional customer care, we endeavour to develop and form long-term business relationships. We appreciate the opportunity to network and collaborate with regional traffic engineers, consultants, specifiers, municipal authorities, general contractors, and electrical contractors. We strive to provide the best product solution for your stringent needs that is optimized for efficiency, offers unsurpassed structural integrity, and raises the standard in public safety.

sectionMAX™

VALMONT STRUCTURES CANADA is pleased to introduce the Section-MAX Traffic Pole Series

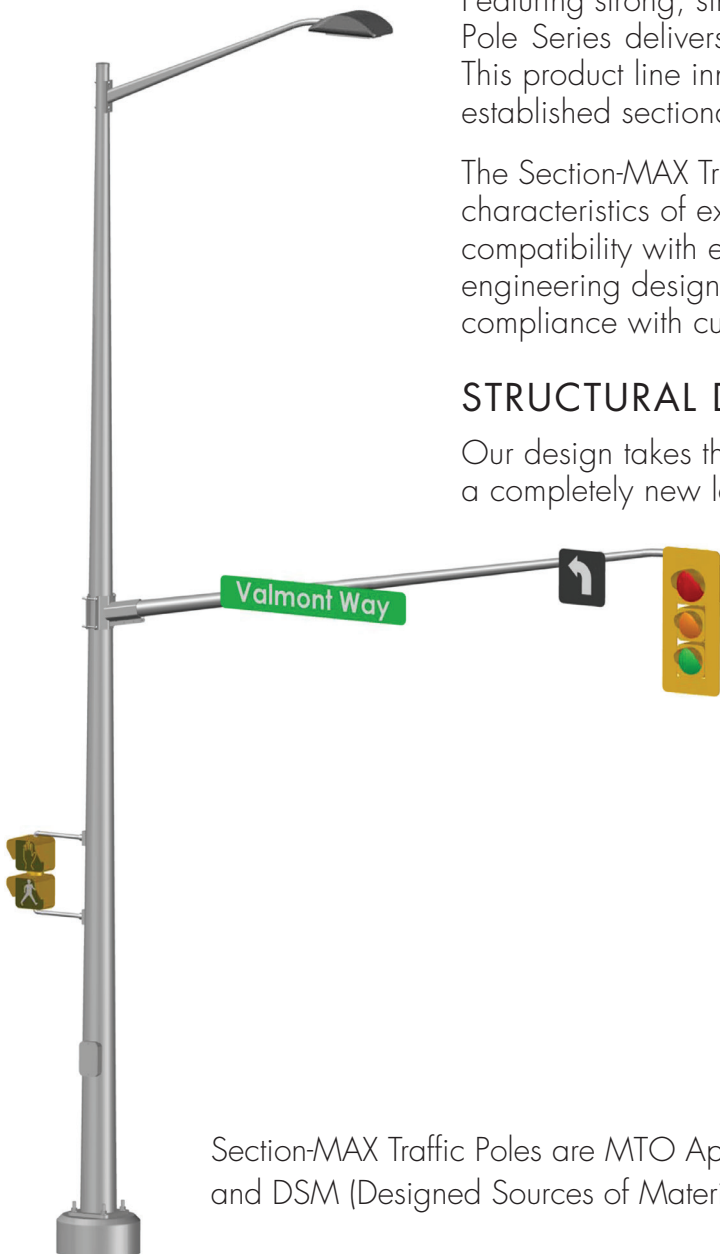
SINGULAR ACHIEVEMENT

Featuring strong, single-piece steel construction, the Section-MAX Traffic Pole Series delivers engineered durability and high structural integrity. This product line innovation is the next evolutionary advancement to the established sectional steel traffic pole market in the Ontario Region.

The Section-MAX Traffic Pole Series retains the function and dimensional characteristics of existing Sectional Steel Poles. This ensures full compatibility with existing traffic infrastructure. State of the art engineering design methods have been employed to ensure compliance with current design standards.

STRUCTURAL DESIGN STRENGTH

Our design takes the functionality and pole's structural response to a completely new level, offering full compliance with CSA design standards and also addressing potential fatigue issues. The structural design fully complies with AASHTO fatigue requirements.



Section-MAX Traffic Poles are MTO Approved and DSM (Designed Sources of Material) Listed.



CSA Certified



KEY FEATURES AND BENEFITS THAT SET A NEW STANDARD AND GENERATE ADDED VALUE INCLUDE:

- **SINGLE POLE SECTION CONSTRUCTION**

- Field assembly of multiple sections are no longer required.
- No overlapping splice joints and self-tapping screws are required.
- Misalignment issues are completely avoided.
- No assembly required means lower installation costs.

- **OPTIMIZED DESIGN**

- Built to meet and exceed the existing standards and specifications.
- Backed by our professional engineering expertise.
- An engineered product line that works and a brand you can trust.

- **BUILT TO BE COMPATIBLE**

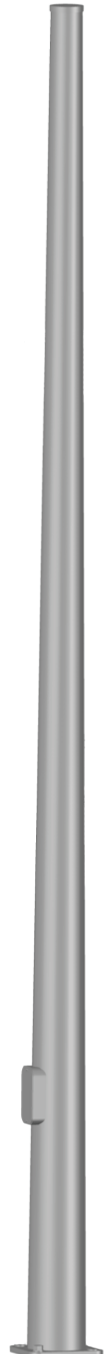
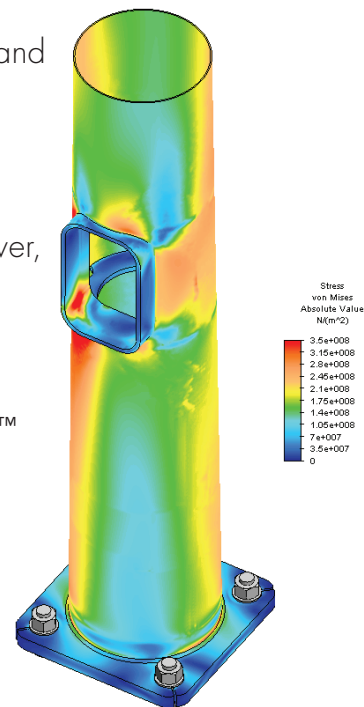
- Compatible with existing pole anchoring, traffic mast arms, and luminaire mast arms.

- **COMMON HAND HOLE FRAME AND COVER**

- Poles come standard with a large hand hole frame and cover, engineered and designed to allow for easy access and maintenance to electrical connections.
- Innovative hand hole ring reinforcement maintains the full strength of the pole section.
- Extra security is possible with our available VWCE Bulldog™ series tamper-resistant hand hole covers.

- **HIGH QUALITY FIT AND FINISH**

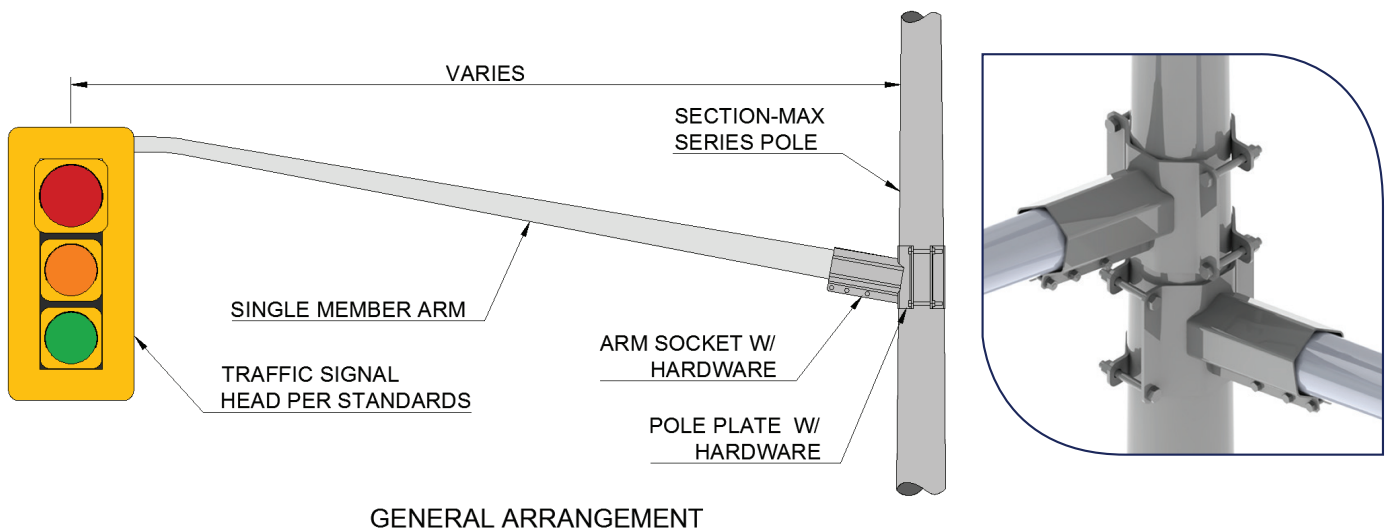
- Pole structures are professionally finished and can be complemented with features such as our Valmont exclusive cast pole top caps.



OVERVIEW:

The Section-MAX Traffic Pole Series features one piece round tapered steel construction, fabricated to exacting specifications while offering unsurpassed versatility and compatibility for regional applications. Section-MAX Poles are designed to withstand rigorous conditions throughout Ontario and across Canada.

The Section-MAX Series comes standard with Hot-Dip Galvanized Finish. Custom finishes such as our exclusive V-PRO™ Duplex Coating System, consisting of powder coating over galvanized, enables this series to match municipal decorative design themes. The Section-MAX Series Traffic Poles allow for installation of VF Series Aluminum Traffic Mast Arms and VF Series Tapered Aluminum Elliptical Brackets.



GENERAL ARRANGEMENT

All poles come standard with a galvanized steel top cap, large hand hole frame and cover, and electrical ground provision. Anchors are supplied separately, as the types vary depending on the regional specification and/or standard. Please contact Valmont for information and pricing for anchor systems available.

Common Accessories compatible with the series include anchor systems, break away bases, nut covers, VWCE Bulldog™ series hand hole covers, and VWCE Copper Stopper™ anti-theft devices. See our Accessories Section for further details.

Relevant Design Standards and Specifications

- OPSS 2422 – Heavy Class Sectional Steel Poles, Base Mounted
- OPSS 2453 – Sectional Steel Poles, Base Mounted and Direct Burial
- CAN/CSA S6-14 – Canadian Highway Bridge Design Code or Current Edition
- AASHTO 2013 – Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals; 5th Edition, 2013 or Current
- CAN/CSA C22.2 No. 206-13 – Lighting Poles or Current Edition
- CSA W59 2003 – Welded Steel Construction or Current Edition

COMMON CONTRACT SPECIFICATIONS AND SPECIAL PROVISIONS FOR DESIGNERS:

Base Mounted Section-MAX Series:

The Contractor shall supply and install a Valmont Structures, #SM-8XXX Section-MAX Series pole, in the location(s) shown on the Contract Drawings. The pole shall be round tapered, single-section, hot dipped galvanized steel and shall be supplied complete with a pole cap, hand hole frame complete with cover, and base plate. The hand hole frame must be reinforced to develop the full strength of the pole in the area of the hand hole cut out. All poles shall include a manufacturer's pole identification label that includes the manufacturer's name, CSA certification mark, year of manufacture, and the pole structure type.

The traffic pole structure shall be CSA Certified, designed to CAN/CSA S6 and AASHTO standards, current edition, with a Wind Pressure of 535 Pa (1/25 year return). The traffic pole shall be designed to support all loads from field installation of traffic mast arms and accessories.

The Contractor shall verify the bolt circle requirements with the pole manufacturer prior to constructing the concrete pole base.

Payment shall be made at the unit price for each pole supplied and installed, and shall be full compensation for all labour, materials and equipment required to complete this work as specified in the Contract Documents.

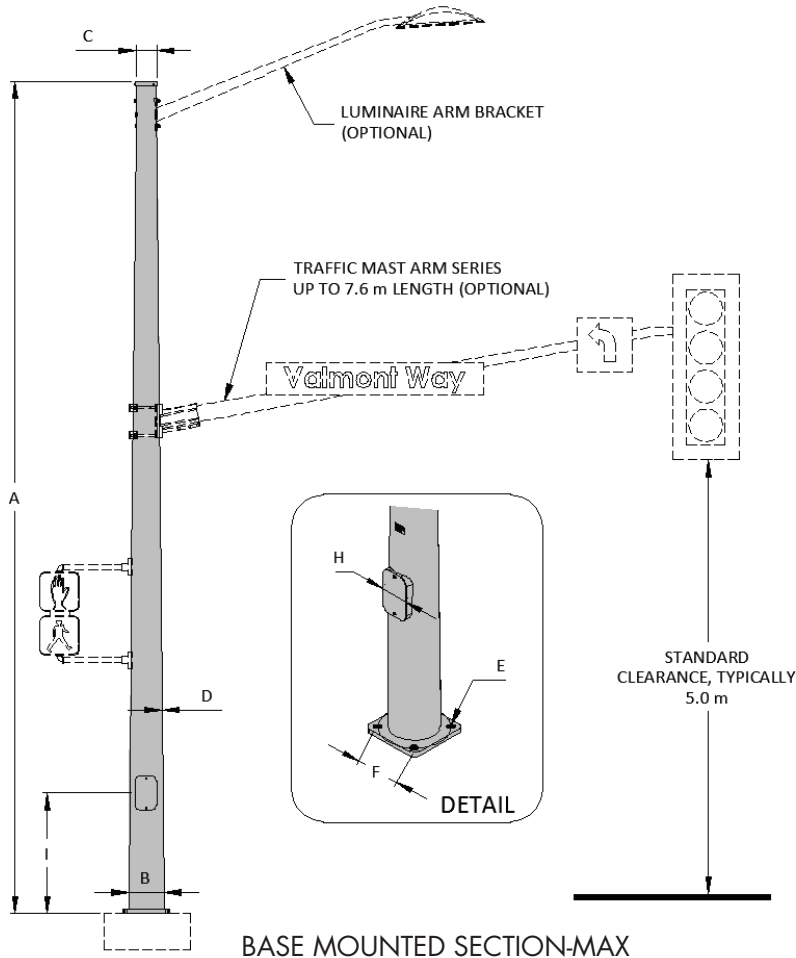
Direct Bury Section-MAX Series:

The Contractor shall supply and install a Valmont Structures, #SM-8XXXDB Section-MAX Series pole, in the location(s) shown on the Contract Drawings. The pole shall be round tapered, single-section, hot dipped galvanized steel and shall be supplied complete with a pole cap, hand hole frame complete with cover, and wire apertures within the embedded portion of the structure. The hand hole frame must be reinforced to develop the full strength of the pole in the area of the hand hole cut out. All poles shall include a manufacturer's pole identification label that includes the manufacturer's name, CSA certification mark, year of manufacture, and the pole structure type.

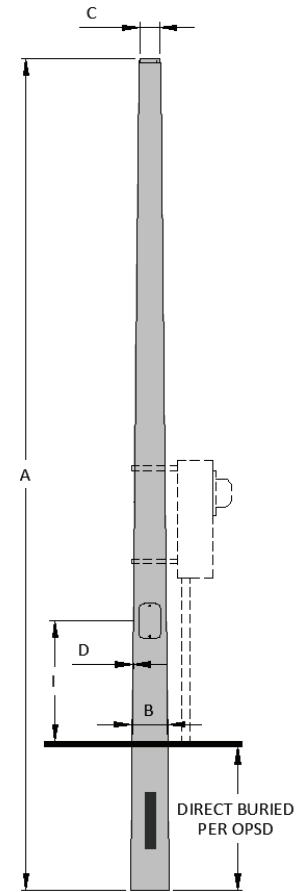
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Payment shall be made at the unit price for each pole supplied and installed, and shall be full compensation for all labour, materials and equipment required to complete this work as specified in the Contract Documents.

PRODUCT DATA AND APPLICATION GUIDE



BASE MOUNTED SECTION-MAX



DIRECT BURY SECTION-MAX

VALMONT SERIES #	Height		ODB	ODT	Thk.	Base Plate		BoltØ	Hand Hole		WT. kg	COMMON APPLICATION								SPECIFICATION	
	m	ft.	B	C	D	E	F	G	H	I											
SM-8911	3.3	11	102	60		150	106	5/8"	76 x 125	214	23	•									
SM-8913 +	3.8	13	230	154		320 - 326	228	1"	127 x 305	457	68										
SM-8918 +	5.5	18		120							84										
SM-8920 *	6.0	20		210		438 - 457	318	1-1/4"			164	•	•								
SM-8923 *	7.0	23		190							178	•	•								
SM-8929 *	8.7	29		156							200	•	•	•							
SM-8935 *	10.5	35		120							217	•	•	•	•						
SM-8918DB	5.25	18		258	3						134										
SM-8923DB	7.0	23		223							165										
SM-8929DB	8.7	29	330	189		N/A - Direct Bury Pole			180 x 300	1100	190			•							
SM-8934DB	10.25	34		158							209			•							
SM-8940DB	11.9	40		123							226			•							
SM-8920 *	6.0	20		210							164		•								
SM-8925 *	7.5	25		190		438 - 457	318	1-1/4"			185		•								
SM-8930 *	9.0	30		156							202		•	•	•						
SM-8935H *	10.5	35		120				1-1/2"			217		•	•	•	•					

Notes: Pole Series with (+) are non-standard OPSS 2453 specified heights, but are accepted as functional structures.
Pole Series with (*) have common dimensions and can be interchanged between OPSS 2453/2422 Classes.



Customer Support

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