



Valmont Structures Maintenance Policy

This Maintenance Policy is solely associated with the Valmont structure and is not applicable to any of the electrical components, signals, control panels, or wiring on the structures.

Structure owners should conduct a visual inspection at least every six months in accordance with the instructions below and keep a record of such inspection. More frequent inspection may be required if the structure is in a high-risk area. Please consult AASHTO to determine if your structure is in a high-risk area. If visual inspection uncovers any suspected areas of concern, a follow up inspection should be conducted by a licensed structural engineer.

The inspection process should include visual inspection of the entire pole, included but not limited to the following:

Surface

- Galvanized surface -
 - Check the galvanized coating for any damaged areas such as scales, nicks, scratches, scrapes, cuts, or rusting.
 - Clean damaged or rusted area and coat with a zinc-enriched paint such as ZRC (or equivalent) per ASTM A780
- Painted surface -
 - Check the paint film for any damage areas such as scales, nicks, scratches, scrapes, cuts, or rusting.
 - Clean damaged or rusted areas and apply a prime and top coat per manufacturer's recommendation.
- Anodized surface –
 - Check the anodized surface for any damage areas such as scales, nicks, scratches, scrapes, cuts, or rusting.
 - Clean the entire anodized surface with mild, non-detergent soap and water.

Noticeable loss of aluminum or steel due to corrosion, such as visible holes in the shaft, requires immediate inspection by a licensed structural engineer. Grouting at the base of the poles is not recommended as grouting will entrap internal moisture and weaken structural integrity by facilitating internal corrosion. Existing poles with grouting should be inspected by a licensed structural engineer.

Mechanical

- Anchor Bolts should be securely fastened to both the top and bottom side of the base plate. Please consult www.nucor-fastener.com/Files/PDFs/TechDataSheets/TDS_012_Turn-of-Nut_Installation.pdf for specific instructions on securing anchor bolts.
- All structures must be visually inspected at and around all welds on the structure for any signs of rust or cracking. Welds that show signs of rust or cracking should be inspected by a licensed structural engineer.



Attachments

All structures must be checked for missing, loose or damaged attachments. Damaged or missing attachments should be replaced immediately. Instructions for loose attachments are as follows:

- Pole top cap - tighten as required.
- Nut covers - tighten as required.
- Hand hole cover(s) - tighten as required.
- Mast arm - tighten as required. **NOTE** – High strength (ASTM A325) hardware should not be reused once tensioned and should be replaced immediately.
- Mast arm end caps - tighten as required.
- Luminaire arm - tighten as required. **NOTE** – High strength (ASTM A325) hardware should not be reused once tensioned and should be replaced immediately.
- Span wire clamps - tighten as required.

*Individual structures may include additional attachments.

THIS MANUAL MUST BE FORWARDED TO THE END USER AND/OR CUSTOMER. ALL WARRANTIES PROVIDED BY VALMONT ARE CONTINGENT UPON ADHERENCE TO THE ABOVE POLICY.

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