|  |  |  |
| --- | --- | --- |
|  | FDOT Traffic Engineering Research Laboratory (TERL)  Small Equipment Enclosure Compliance Matrix | By signing this form, the applicant declares that he/she has read and understands the provisions of Sections 676 and 995 of the FDOT *Standard Specifications for Road and Bridge Construction* and all implemented modifications. The requirements listed on this matrix are derived from Sections 676 and 995, and are the basis for determining a product’s compliance and its acceptability for use on Florida’s roads. |

|  |  |  |  |
| --- | --- | --- | --- |
| Date: | Click here to enter a date. | Applicant’s  Name (print): |  |
| Manufacturer: |  |  |  |
| Item, Model No.: |  | Signature: |  |

|  |  | **\*\* Greyed out rows in table below are for TERL use only \*\*** |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID No** | **Section** | **Requirement** | **Item Comply? (Yes/No/NA)** | **Comments (Applicant must provide information as indicated)** | **TERL Evaluation Method** |
| 1 | 995-1.1 | Enclosure is permanently marked with manufacturer name or trademark, part number, and date of manufacture or serial number. |  | *Applicant may provide comments in this field.* | Physical Inspection |
| TERL Test Cases (Steps): SEE002 (Step 1) |  |  | Init.: |
| 2 | 995-11.1 | Cabinet is permanently marked with a water-resistant label that is visible after installation on the inside of the main door including the manufacturer's name or trademark, model/part number, and the year and month of manufacture. |  | *Applicant may provide comments in this field.* | Physical Inspection |
| TERL Test Cases (Steps): SEE002 (Step 2) |  |  | Init.: |
| 3 | 995-11.7 | Enclosure is NEMA 3R rated, minimum. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 1) |  |  | Init.: |
| 4 |  | The enclosure is less than 16 inches wide by 24 inches tall by 12 inches deep. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 2), SEE002 (Step 3) |  |  | Init.: |
| 5 |  | The enclosures include a safe means of removing power from the installed equipment for servicing and replacement, such as a switch, fuse, or breaker. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 3), SEE002 (Step 4) |  |  | Init.: |
| 6 |  | All fasteners less than 5/8 inch exposed to the elements are Type 304 or 316 stainless steel. |  | *Provide statement of conformance from hardware supplier that shows the product meets this requirement.* | Document Review |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 4) |  |  | Init.: |
| 7 |  | Aluminum enclosures are constructed of 5052 sheet aluminum alloy with a minimum thickness of 0.090 inches. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 5), SEE002 (Step 5) |  |  | Init.: |
| 8 |  | Aluminum enclosures have a uniform natural finish or are powder coat painted in accordance with AAMA-2603-02 specifications. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 6), SEE002 (Step 6) |  |  | Init.: |
| 9 |  | All welds, bends, and seams are neatly formed and free of cracks, blow holes and other irregularities. All inside and outside edges of the enclosure are free of burrs, rivet holes, visible scratches, and gouges and have a smooth, uniform finish. |  | *Applicant may provide comments in this field.* | Physical Inspection |
| TERL Test Cases (Steps): SEE002 (Step 7) |  |  | Init.: |
| 10 |  | Non-metallic enclosures are designed for outdoor use, and resist chemicals, corrosion, and ultraviolet rays. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 7) |  |  | Init.: |
| 11 |  | Enclosure door includes a vandal resistant hinge and is secured with a locking latch, or a minimum of two quick-release Type 304 or 316 stainless steel latches with padlock hasps. |  | *Provide statement of conformance from hardware supplier that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 8), SEE002 (Step 8) |  |  | Init.: |
| 12 |  | Removal of the hinge or hinge pin is not possible while the enclosure is closed. Two sets of keys are provided with each lock. |  | *Applicant may provide comments in this field.* | Physical Inspection |
| TERL Test Cases (Steps): SEE002 (Step 9) |  |  | Init.: |
| 13 |  | If the enclosure is vented, all holes larger than 1/8 inch are covered by a heavy-duty screen. |  | *Applicant may provide comments in this field.* | Physical Inspection |
| TERL Test Cases (Steps): SEE002 (Step 10) |  |  | Init.: |
| 14 |  | Post/pole mounted enclosures are supplied with mounting hardware for attaching the enclosure to a 4-1/2 inch (OD) aluminum post. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| TERL Test Cases (Steps): SEE001 (Step 9), SEE002 (Step 11) |  |  | Init.: |
| 15 | 676-4 | Cabinets, enclosures, and risers have a manufacturer’s warranty covering defects for a minimum of 2 years from the date of final acceptance. |  | *Provide a statement of conformance in this field.* | Compliance Matrix Review |
| TERL Test Cases (Steps): SEE001 (Step 10) |  |  | Init.: |
| 16 |  | The warranty includes providing replacements, within 10 calendar days of notification, for defective parts and equipment during the warranty period at no cost to the Department or maintaining agency. |  | *Provide a statement of conformance in this field.* | Compliance Matrix Review |
| TERL Test Cases (Steps): SEE001 (Step 11) |  |  | Init.: |

**Document History for:**

**Small Equipment Enclosure Compliance Matrix**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rev | Description | Authored and Checked | Reviewed | Approved | Approval Date | Rev More Stringent? |
| 1.0 | New CM | W. Geitz | J. Morgan  M. DeWitt | D. Vollmer | 12/12/2019 | N/A |
| 2.0 | Change reflects FA 7-2-20 update with no changes to this CM. | W. Geitz | M. DeWitt  C. Raimer | D. Vollmer | 10/27/2020 | No |
| 3.0 | Updated to reflect FA 7-23-21 revisions for small enclosures in spec 676. Added warranty information from 676-4 for traffic cabinets. | W. Geitz | M. DeWitt  C. Raimer | D. Vollmer | 12/22/2021 | No |
| 4.0 | Corrected CM identifier. | A. Burleson | M. DeWitt | M. DeWitt | 01/20/2022 | No |
| 5.0 | Move from 676 to 995 FA 10-24-22. | W. Geitz | M. DeWitt  D. Christian | D. Vollmer | 04/07/2023 | No |
| 6.0 | Updated to latest FA dates of 9-14-23 and 10-6-23 for specs 676 and 995 respectively. | W. Geitz | D. Christian | D. Vollmer | 12/4/2023 | No |
| 7.0 | Added test cases and test steps. | W. Geitz | A. Burleson | D. Vollmer | 05/01/2024 | No |