

1200 New Jersey Ave., SE Washington, D.C. 20590

February 9, 2011

In Reply Refer To: HSST/LS-70

Mr. Robert Sik Akron Foundry Company P.O. Box 27028 Akron, Ohio 44314

Dear Mr. Sik:

This is in response to your letter of June 26, 2010, requesting the Federal Highway Administration's (FHWA) acceptance of modifications to a number of your cast aluminum transformer bases. You wish to standardize the base bottom castings stocking only parts having ground mounting bolt-circle ranges of 13 thru 15 inches, or 10 thru 12 inches, as appropriate. We concur that these modifications, as described below, are acceptable for use on the National Highway System.

Your Cast Aluminum Breakaway Transformer Bases are manufactured as a two piece weldment. The TB1 series bottom casting is used for the following bases:

Akron Foundry's TB1 - 20, TB1 - 17, TB5 - 9, Pole-Lite F - 1302 Feralux CS - 370.

You wish to standardize these base bottom castings, stocking only parts having a ground mounting bolt-circle range of 13 inches thru 15 inches.

The TB2 series bottom casting is used for the following bases:

Akron Foundry's TB2 - 20, TB2 - 17, TB6 - 9 Pole-Lite F - 1300 Feralux CS - 300.

You wish to standardize these bottom castings, stocking only parts having a ground bolt-circle range of 10 inches thru 12 inches.

Also, you asked FHWA to state that the bases TB5 - 9, Pole-Lite F - 1302, and Feralux CS - 370 are acceptable for use on ground mounting bolt circles ranging from 13 inches thru 15 inches with mounting ears cut—off at 5.12 inches, typical (10.25 inches overall).

In addition, bases TB6 - 9, Pole-Lite F - 1300 & Feralux CS - 300 are acceptable for use on ground mounting bolt circles ranging from 10 inches thru 12 inches with mounting ears cut-off @ 3.62 inches, typical. (7.25 inches overall).



FHWA:HSSI:NArtimovichr:ms:x61331:2/7/11
File: s://directory folder/HSST/Artimovich/LS70\_Akron.dotx cc: HSSI (NArtimovich; JDewar)

The Akron Foundry Breakaway T-base information sheet (enclosed for reference) summarizes your company's breakaway transformer bases. In letters dated June 10, 2010, addressed to both Pole-lite & Feralux Inc., your provided sketches outlining your TB 1 Series bottom casting and your TB 2 Series bottom casting. We will keep these on file for reference.

Your breakaway bases have been found acceptable in the Federal Highway Administration Acceptance letters shown in the table below.

LS-14	May 30, 1990	Valmont Industries	Cast Al transformer base No. 0283093 15 inch bolt circle	Transformer Base
LS-17	August 6, 1990	Akron Foundry	CS-300 and CS-370 Al Transformer Bases (tests of Feralux bases)	Transformer Base
LS-18	August 6, 1990	Akron Foundry	F-1300 and F-1302 Al Transformer Bases (tests of Pole Lite bases)	Transformer Base
LS-19	August 6, 1990	Akron Foundry	TB-3-17, TB-5-9, TB-6-9 Transformer Bases, 11.5 to 15.5" BC	Transformer Base
LS-22	September 19, 1990	Akron Foundry	Chart summarizing approval letters LS-2, LS-4, LS-9, LS-15, LS-19	Transformer Base
LS-58	February 8, 2005	Akron Foundry	Addition of Stack Pack washers to TB1-17	Transformer Base
LS-61	December 15, 2006	Akron Foundry	Revised bolt circle on Akron Foundry TB-6-9	Transformer Base
LS-62	December 15, 2006	Akron Foundry	Revised bolt circle on Feralux CS-300	Transformer Base
LS-63	December 15, 2006	Akron Foundry	Revised bolt circle on Pole-lite F-1300	Transformer Base

Enclosed for reference please find a set of drawings representing this condition which would be true for your complete line of bases. All previous conditions contained in the acceptance letters remain in effect.

Sincerely,

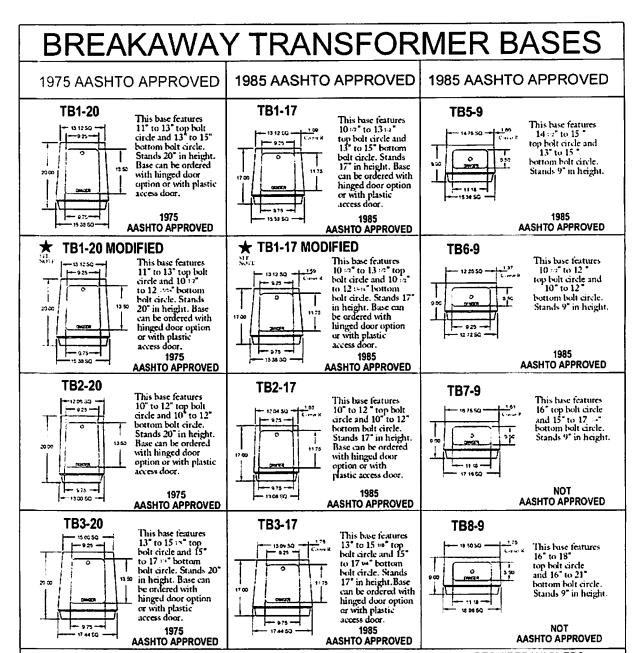
Michael S. Griffith

Michael & Fulfit

Director, Office of Safety Technologies

Office of Safety

**Enclosures** 





## AKRON FOUNDRY COMPANY

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FOR FHWA "ACCEPTANCE LETTERS" GO TO http://safety.flwa.doi.gov/roadway\_dept/road\_hardware/listing.cfm?code=lumin

## ALL REQUIRED WASHERS ARE AVAILABLE

74727171001022				
Part No.	Size			
AF-W3	21/2" DIA. O.D. X 11/4" I.D. X 31/4" THICK			
AF-W1	274" DIA. O.D. X 1"4," I.D. X 1/2" THICK			
AF-W2	27. DIA. O.D. X 17. I.D. X 17. THICK			
AF-W4	27, X47, X 7, THICK RECTANGULAR			
★ NO.	(FOR 1 1/16 * OR 15/4 ID.)			

SPECIAL STACK PACK WASHERS ARE REQUIRED

CAUTION:BEFORE INSTALLATION, USER SHOULD CONSULT WITH AUTHORIZED DISTRIBUTOR REGARDING USER'S PROPOSED APPLICATION, LOAD REQUIREMENTS AND INSTALLATION METHODS. FAILURES CAN RESULT FROM USER'S MISAPPLICATION OR IMPROPER INSTALLATION. MADE IN THE U.S.A.