

GENERAL WARNINGS AND CAUTIONARY STATEMENTS FOR COLLAPSIBLE BOLLARDS

In order to safely and effectively use any TrafficGuard®, Inc. product, please read and understand the General Warnings and Cautionary Statements contained below. If you have any questions about any of these General Warnings and Cautionary Statements, or about any aspect of TrafficGuard®, Inc.'s products or literature, please contact TrafficGuard®, Inc. at 877-727-7347, or email sales@trafficguard.net.



BOLLARD SELECTION AND PLACEMENT

based on vehicle weight, speed and other site specific factors to be determined by owner.



FAILURE TO UTILIZE TRAFFICGUARD®, INC. AUTHORIZED PARTS, OR MODIFICATIONS

to the TrafficGuard®, Inc. products, or failure to follow the recommended installation procedures, will result in your warranty being null and void.



READ AND FULLY UNDERSTAND THE INSTALLATION INSTRUCTIONS

before attempting to install any TrafficGuard®, Inc. bollard product.



SUBSTITUTION OF COMPONENTS MAY IMPAIR THE PROPER FUNCTION

of TrafficGuard®, Inc. bollards products. If you need replacement parts, please contact TrafficGuard®, Inc. at the number and email above.



ALWAYS ENSURE THAT THE LOCK PIN IS LOCKED INTO PLACE

in the upright position with all collapsible bollards.



WARNING: FAILURE TO RETURN COLLAPSIBLE BOLLARD TO UPRIGHT, LOCKED POSITION IMMEDIATELY AFTER USE POSES A SIGNIFICANT HAZARD.



REPLACEMENT LOCK PINS ARE AVAILABLE

for purchase at TrafficGuard®, Inc. For purchase of replacement lock pins or other components, please contact TrafficGuard®, Inc. at the number or email above.



CAUTION: LOCK PIN MUST ALWAYS BE SECURED WITH PADLOCK WHEN BOLLARD IS IN **UPRIGHT POSITION.**



FOR MAXIMUM EFFECTIVENESS

of TrafficGuard®, Inc. bollard products, be sure to properly maintain bollards by replacing any damaged, corroded or missing components, and reapply paint as required to maximize visibility. Failure to properly maintain product can negatively impact the bollards performance over time.



TO ENSURE VISIBILITY

of bollards, be sure to apply all decals that are provided with the product, and in the manner recommended by TrafficGuard®, Inc.

sales@trafficguard.net

IF IN DOUBT CALL TRAFFICGUARD®, INC. 877-727-7347

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INSTALLATION INSTRUCTIONS FOR:

(HDHB & LPHDHB)

LOW PROFILE HEAVY DUTY HINGED BOLLARD

- 1. Verify that all Low Profile Heavy Duty Hinged Bollard parts are in the shipment package as shown on the "Bill of Material".
- 2. Provide Low Profile Heavy Duty Hinged Bollard Anchor System (see included Anchor System Drawing—BAS) of your choice at a location to suit your specific needs.
- 3. Install LPHDHB Base (Item 2) true and level on your selected Anchor System using the flat washers and hex nuts included in your Anchor System Kit. Use S.S. shims to level if needed. Torque hex nuts to Minimum 100 ft—Ibs for Anchor Systems CPAS and ESAS. Torque hex nuts for other Anchor Systems to Manufacturers Specification.
- 4. Install LPHDHB Post (Item 1) to LPHDHB Base (Item 2) using Hinge Bolt (Item 3), Flat Washer (Item 5), and Hex Nut (Item 4) as shown. Tack Weld Hex Nut to Hinge Bolt or Chisel Hinge Bolt Threads such that Hex Nut cannot be easily removed.
- 5. Install Locking Pin thru UP Position Bollard Post, and install Padlock where shown. A Hex Nut (Item 4) is included in case a padlock is not available.
- 6. Install the four Labels at the locations shown.
- 7. Check the functional operation of the Low Profile Heavy Duty Hinged Bollard.
- * Note: S.S. shims, tools, grease, and padlocks are not provided.

LOW PROFILE HEAVY DUTY HINGED BOLLARD THRO ANGLE # TrafficGuard, Inc											
ASSEMBLY DRAWING	Do not scale fr	om dra	wing		P.O. Box 201, Geneva, IL. 60134 Toll Free: 877-727-7347 Fax: 800-814-7194						
						Action	by				
ZABEL ENGINEERING						Design	WKZ	SIZE	Assembly Shipping Weig	ht	Drawing Number:
CONSULTING ENGINEERS	_	-	-	-		Drawn	CJD	D	70.64 Pounds		LPHDHBA2
203 South Rosedale Av., Aurora, IL 60506 Bus: 630-692-0698 Fax: 630-692-1087	Rev.	by	Date	Descrip	ition	Checked	wĸz	Scale:	3"=1" Drawing Date:	9-25	5-2002 Sheet: 2 of 3





