

# GENERAL WARNINGS AND CAUTIONARY STATEMENTS FOR REMOVABLE BOLLARDS

In order to safely and effectively use any TrafficGuard® 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®'s products or literature, please contact TrafficGuard® 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® AUTHORIZED PARTS, OR MODIFICATIONS

to the TrafficGuard® 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® bollard product.



### SUBSTITUTION OF COMPONENTS MAY IMPAIR THE PROPER FUNCTION

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



WARNING: FAILURE TO FILL/COVER AN OPEN GROUND SLEEVE ON ALL REMOVABLE BOLLARDS MAY RESULT IS DAMAGE TO VEHICLES OR INJURY TO PEDESTRIANS. ALWAYS FILL/COVER THE GROUND SLEEVE PER TRAFFICGUARD® INSTRUCTIONS.



### REPLACEMENT GROUND SLEEVE FILLER PIECES ARE AVAILABLE

for purchase at TrafficGuard<sup>®</sup>. For purchase of replacement ground sleeve filler pieces or other components, please contact TrafficGuard<sup>®</sup> at the number or email above.



CAUTION: BOLLARD MUST ALWAYS BE SECURED WITH LOCK MECHANISM WHEN BOLLARD IS IN THE GROUND SLEEVE TO AVOID MISUSE.



## FOR MAXIMUM EFFECTIVENESS

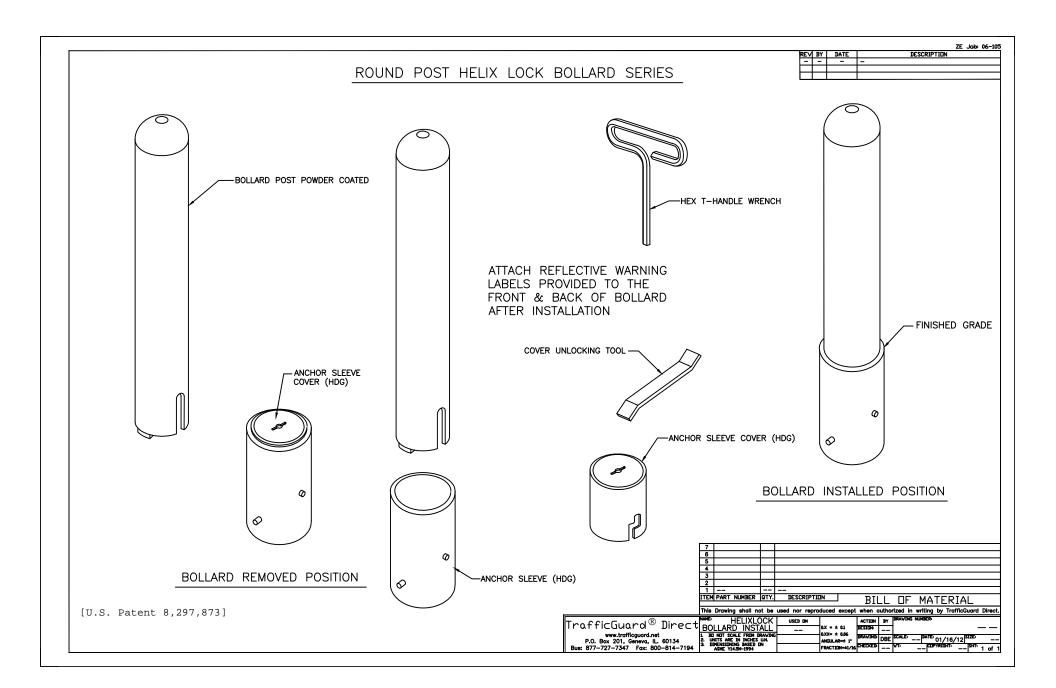
of TrafficGuard® bollard products, be sure to properly maintain bollards by replacing any damaged, corroded or missing components, and reapply paint as required to maximize visibility. Failure to properly maintain product can negatively impact the bollards performance over time.



### **TO ENSURE VISIBILITY**

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

IF IN DOUBT CALL TRAFFICGUARD® 877-727-7347



# DESIGN AND CONSTRUCTION DATA SCHEDULE RPAS

- 1. THE DESIGN LOAD IS A STATIC LOAD "P" LOCATED AT 27 INCHES ABOVE GRADE THAT SHOULD CAUSE FAILURE OF THE BOLLARD.
- 2. THE EARTH PRESSURE VALUE IS SHOWN AT DESIGN LOAD AND THE OWNER SHOULD VERIFY THAT THE EARTH IS ADEQUATE TO WITHSTAND THE NOTED EARTH DESIGN PRESSURE.
- 3. ANCHORAGE SYSTEMS BY OTHERS THAN TRAFFICGUARD MAY CAUSE PREMATURE FAILURE OF THE BOLLARD BY ROTATION OF ANCHORAGE AT DESIGN LOAD.

DESIGN FORMULA: EARTH PRESSURE MAXIMUM Qmax = 3888 P / DB(A+B)

NOTE: CONCRETE, FORM, ROCK, PVC DRAIN AND REBAR PROVIDED BY OTHERS																			
DESIGN	BOLLAF	RD		EARTH	1	PIE	R HT.	VEF	RT. RE	BAR	HC	OP	PIEF	7	FRE	NCH	PIER	LOAD	DIM
LOAD P	Out Dia.	Ins Dia.	Fb PSI	"Q" N	ΛΑΧ.	"C"	MIN.	LE	NGTH	QTY	TIE	S	CON	NCRET	EDRA	JN.	"D"	"A"	"B"
600 #	1.910"	1.620"	49090	992	PSF	42	INCH	38	INCH	3	6	EA.	6 6	ù Ft	1.2	CF	8"	7"	14"
1200 #	2.440"	2.064"	46552	1984	PSF	42	INCH	38	INCH	3	6	EA.	6 C	u Ft	1.2	CF	8"	7"	14"
3000 #	3.500"	3.068"	47093	2204	PSF	42	INCH	38	INCH	4	6	EA.	6 C	u Ft	0.5	CF	18"	7"	14"
6000 #	4.500"	4.026"	50467	4408	PSF	42	INCH	38	INCH	4	6	EA.	6 C	u Ft	0.5	CF	18"	7"	14"
6000 #	4.500"	4.026"	50467	2667	PSF	54	INCH	50	INCH	4	7	EA.	8 C	u Ft	0.5	CF	18"	9"	18"
10000#	5.563"	5.047"	49541	4444	PSF	54	INCH	50	INCH	4	7	EA.	8 C	u Ft	0.5	CF	18"	9"	18"
10000#	5.563"	5.047"	49541	3600	PSF	60	INCH	56	INCH	4	8	EA.	9 C	u Ft	0.5	CF	18"	10"	20"
10000#		5.047"	49541	2975	PSF	66	INCH	62	INCH	4	8	EA.	10	Cu F	0.5	CF	18"	11"	22"
15000#	6.625"	6.065"	47647	3750	PSF	72	INCH	68	INCH	4	9	EA.	11	Cu F	0.5	CF	18"	12"	24"
15000#	6.625"	6.065"	47647	3195	PSF	78	INCH	72	INCH	4	9	EA.	12	Cu F	0.5	CF	18"	13"	26"
15000#	6.625"	6.065"	47647	3240	PSF	60	INCH	56	INCH	8	8	EA.	25	Cu F	1.6	CF	30"	10"	20"
15000#	6.625"	6.065"	47647	3333	PSF	54	INCH	50	INCH	8	7	EA.	32	Cu F	1.8	CF	36"	9"	18"

This Drawing shall not be used nor reproduced except when authorized in writing by TrafficGuard.

			ROUND POST E	BOLLARD RPAS	THIRD ANGLE PROJECTION	<del>•</del>	$\downarrow \downarrow \downarrow$	Тош	raffic	Gu	ard ®
			ANCHORAGE S	SYSTEM DETAILS	Do not scale fr		-	Free P.	O. Box 201,	Genevo	ı, IL. 60134
3	-	-	_			Action		Bus: 1.877.7			
2	-	1	_					Dwg. Scale: nts			
1	_	-	-					Copywrite: 2010	· ·		
Rev.	Date	by	Description			Checked	wkz	Dwg. Size: Letter	Drawing Date:12.	10.10	Sheet: 2 of 2

