

BlinkerSign[®] Flashing LED Sign

TAPCO's brilliant innovation of enhancing traffic signs with LEDs (Light-Emitting Diodes) makes crosswalks safer, reduces accidents and saves lives! Day-Viz™ (Daylight Visible) BlinkerSigns feature an array of incredibly bright LEDs that flash in unison, once per second, commanding the attention of drivers day and night.

- Installs easily onto any new or existing sign post or poles
- Solar Powered, no AC power required
- 24/7 and web programmable systems available
- Easy Installation
- MUTCD Compliant
- Visible up to 2 miles at night
- Flashing LEDs get noticed day and night



Features

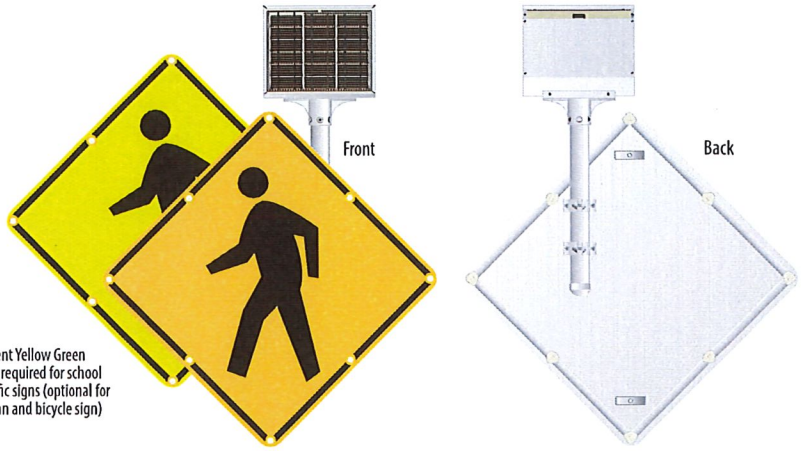
- Installs easily onto any new or existing sign post
- Can be integrated into an ITS (Intelligent Transportation System)
- High intensity Day-Viz™ LEDs command attention day and night
- Can be programmed to operate continuously (24/7) or triggered by optional push-button, wireless bollard or pedestrian motion detectors
- Proprietary circuitry automatically adjusts light output for maximum visibility and battery efficiency
- Heightened driver awareness
- Increased visibility at high incident intersections

Applications

- New crosswalk locations
- High incident intersections
- Rural roads
- Advance crosswalk warnings

Benefits

- Reduce accidents, incidents and fatalities
- Federally approved (MUTCD compliant)
- Eco-friendly
- Heightened driver awareness
- Increased visibility at high incident crosswalks



Fluorescent Yellow Green sheeting required for school area traffic signs (optional for pedestrian and bicycle sign)

Standard Specifications (subject to change without notice)

Sign	
Sign Substrate	.080 Highway Grade Aluminum
Reflective Sheeting	3M™ DG3- with anti-graffiti overlay
MUTCD Compliance	MUTCD Section 2A.07 Compliant
Day-Viz® Management System (patent pending)	
Battery	Nickel Metal Hydride (NiHM)- 14,000mAh
Battery Lifespan	Up to 5 years
Autonomy- Functionality without Charge	Up to 30 days in 24/7 operation
Flash Pattern	MUTCD Compliant
LED Type	High Power Luxeon- 1 watt
LED Life Expectancy	Over 100,000 hours
Warranty	
	2 Years
Smart Activation Options	
	24/7 continuous LED flash
	Push-button
	Wireless bollard
	Pedestrian motion detector

PATENT NUMBERS 6,943,698 AND 6,693,556. OTHER PATENTS PENDING

Optional BlinkerBeam® Wireless Communication

Push buttons can activate BlinkerBeam® solar/battery-powered transceiver radios. These compact controllers activate one or more BlinkerSign® LED Signs, BlinkerBeacon® LED Beacons, RRFB and other ITS devices wirelessly within a 1000 ft. range, up to one mile with an external antenna.



Optional Push Button Activation

Activated with less than 2 lbs. of force. Provides two-tone audible confirmation as well as visual confirmation. Meets ADA, MUTCD and TAC requirements, and housing meets NEMA specifications. Remote mounting available. Audible navigation units are available.



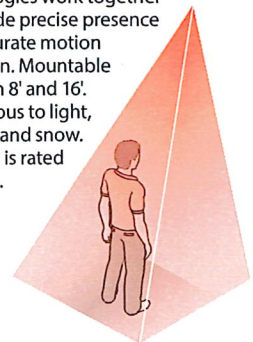
Optional Wireless Bollard Activation

Pedestrians and bicyclists can passively trigger flashing BlinkerSign® LED signs, RRFB, BlinkerBeacon® LED Beacons, in-pavement LEDs and other ITS devices. Actuators are housed in anodized aluminum cabinets that can be secured to concrete or asphalt. Battery operated: no grid wiring required.



Optional Pedestrian Motion Detector

Active infrared and microwave technologies work together to provide precise presence and accurate motion detection. Mountable between 8' and 16'. Impervious to light, sun rain and snow. Housing is rated NEMA-4.

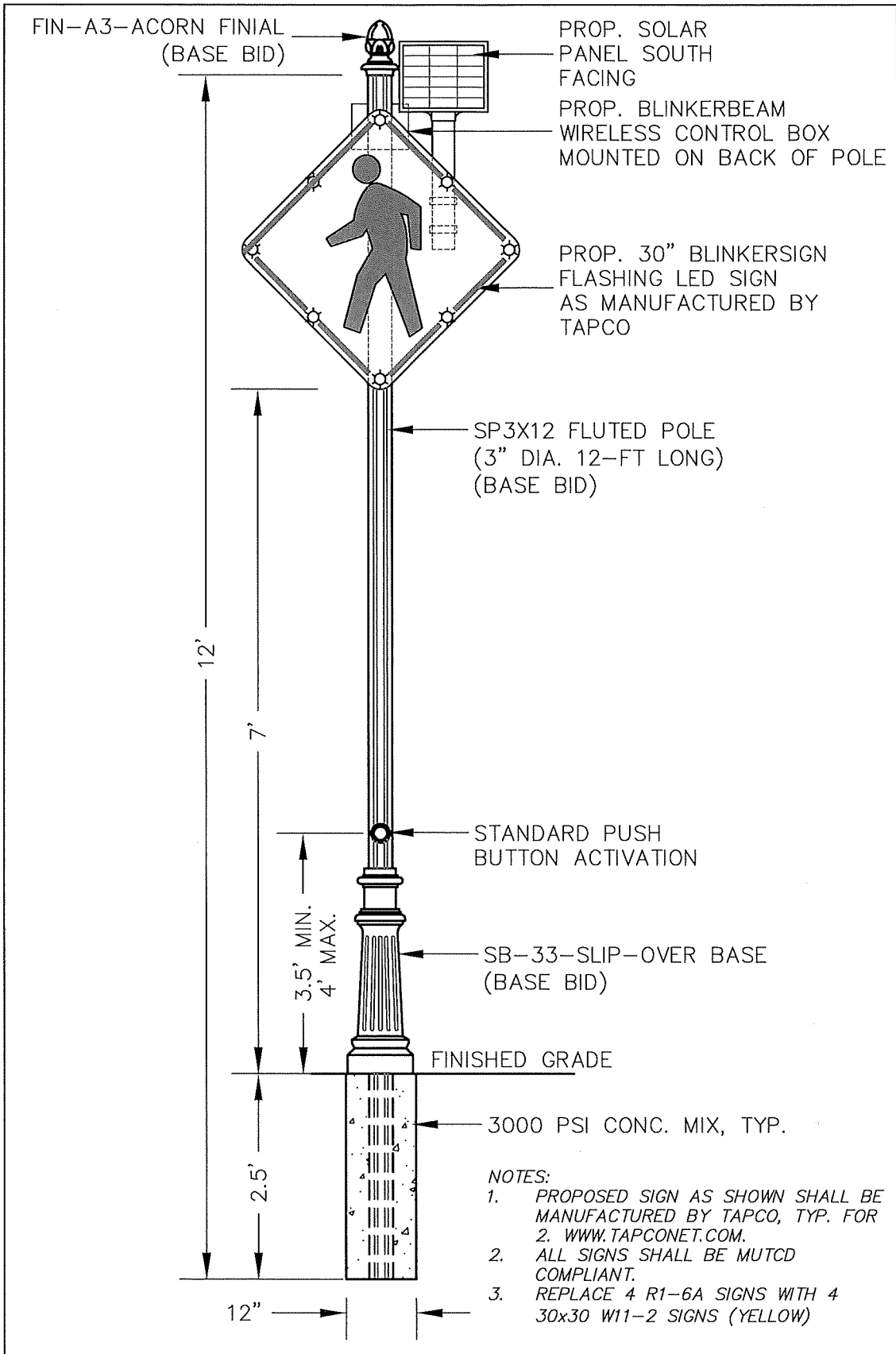


TAPCO®

1-800-236-0112

www.tapconet.com





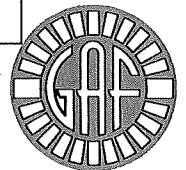
SCALE: N.T.S.

TOWN OF WAREHAM

PEDESTRIAN CROSSING SIGN

WAREHAM

SK-2 - REVISED



ENGINEERING, INC.

CENTURY PAVING & CONSTRUCTION CORP.
 Mailing: 167 Hyacinth Street Office: 42 North Quarry Street
 Fall River, MA 02720
 Tel# (508) 674-2000 Fax# (508) 674-5982

CHANGE ORDER NO. 8 (REVISED)
ADDITIONAL WORK / ADJUSTMENTS

DATE: August 15, 2013

TO: TOWN OF WAREHAM
C/O G.A.F. ENGINEERING, INC.
266 MAIN STREET
WAREHAM, MA 02571

PROJECT:	WAREHAM VILLAGE STREETScape PROJECT - PHASE 2
CONTRACT NO.	

WE HEREBY AGREE TO THE CHANGE(S) OR ADDITIONAL WORK SPECIFIED BELOW:

ITEM 1.) ADD - ADDITIONAL SIGNS:

- ADD**
- (2) "H" Hospital Signs
 - (4) Pedestrian in Crosswalk Signs (W11-2)
 - (2) TAPCO Flashing Pedestrian in Crosswalk Signs
 - (1) No Parking Sign
 - (1) Boats-in-Tow Sign
 - (2) Directional Arrow Signs
 - (1) Relocate Pinehurst Beach Sign

A. (2) FLASHING SIGNS

--SUBCONTRACTOR - BEAUPRE ELECTRIC \$ 11,238.00

B. OTHER ADDITIONAL SIGNS (AS ABOVE LISTED)

--SUPPLIER - BRANDON INDUSTRIES \$ 2,112.00

C. INSTALLATION OF SIGNS (11 SIGNS)

(2) Laborers - 6 hrs. each	6	\$ 58.00	\$348.00	\$ 348.00
Service Truck - 6 hrs.	6	\$ 25.00	\$150.00	\$ 150.00
				\$ 13,848.00
				\$ 2,077.20

PLUS: 15% FOR OVERHEAD AND PROFIT \$ 2,077.20

TOTAL AMOUNT ITEM 1: \$ 15,925.20 \$ 15,925.20

ITEM 2.) "ADDITIONAL" WORK - (2) BENCHES AND (1) TRASH RECEPTACLE

ADD
 *PLEASE NOTE CREDIT FOR ORIGINALLY CALLED-FOR (4) BENCHES
 AND (2) TRASH RECEPTACLES ISSUED AT CHANGE ORDER NO. 6

--SUPPLIER - COLUMBIA CASCADE \$ 4,640.00

Installation: Foreman - 2 hrs.	2	\$ 65.00	\$130.00	
(2) Laborers - 2 hrs. each	4	\$ 58.00	\$232.00	
(2) Service Trucks - 2 hrs. each	4	\$ 25.00	\$100.00	
			\$462.00	\$ 462.00

PLUS: 15% FOR OVERHEAD AND PROFIT \$ 765.30

TOTAL AMOUNT ITEM 1: \$ 5,867.30 \$ 5,867.30

ITEM 3.) CREDIT TO OWNER - INSTALLATION OF BOLLARDS (14 TOTAL)
DEDUCT PURCHASED BUT NOT INSTALLED

CREDIT TO ISSUE ON INSTALLATION ONLY

--Operator - 1 hr.	1	\$ 78.00	\$78.00	
--Foreman - 6 hrs.	6	\$ 65.00	\$390.00	
--(2) Laborers - 6 hrs. each	12	\$ 58.00	\$696.00	
--Backhoe - 1 hr.	1	\$ 55.00	\$55.00	
--Service Truck - 6 hrs.	6	\$ 25.00	\$150.00	
--Concrete - 4 yds.	4	\$ 91.00	<u>\$364.00</u>	
			\$1,733.00	\$ (1,733.00)

ITEM 4.) CREDIT TO OWNER - MESSAGE CENTER

DEDUCT MESSAGE CENTER NOT INSTALLED
CREDIT FOR MESSAGE CENTER (CONTRACT ALLOWANCE AMOUNT) \$ (3,000.00)

ITEM 5.) CREDIT TO OWNER - SIDEWALK & CURB WORK ON ACCESS DRIVE

DEDUCT ABUTTING HESS PROPERTY

A.) REMOVE EXISTING PAVEMENT AND INSTALL CONCRETE SIDEWALKS

133' X 6' 88 S.Y. @ \$40.90/SY = \$ 3,599.20

B.) INSTALL GRANITE CURB

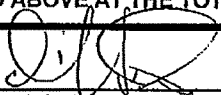
145' @ \$27.27/FT \$ 3,954.15

TOTAL CREDIT AMOUNT ITEM 5 --- \$ 7,553.35 \$ (7,553.35)

NET CHANGE ORDER AMOUNT ... (ADD) \$ 9,506.15

NOTE: THIS CHANGE ORDER BECOMES PART OF AND IN CONFORMANCE WITH THE EXISTING CONTRACT.

WE AGREE HEREBY TO MAKE THE CHANGE (S) SPECIFIED ABOVE AT THE TOTAL AMOUNT ABOVE STATED.


 Daniel Silva, President

8/16/2013
 DATE

ACCEPTED - THE ABOVE PRICES AND SPECIFICATIONS OF THIS CHANGE ORDER ARE SATISFACTORY AND ARE
 HEREBY ACCEPTED. ALL WORK TO BE PERFORMED UNDER SAME TERMS AND CONDITIONS AS SPECIFIED IN ORIGINAL
 CONTRACT UNLESS OTHERWISE STIPULATED.

SIGNATURE

PRINT NAME AND TITLE: Paul Sullivan


 DATE