

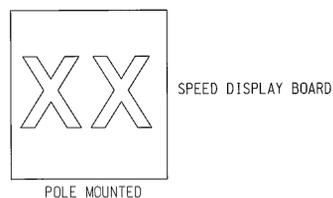
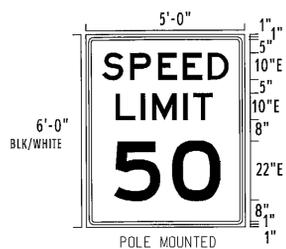
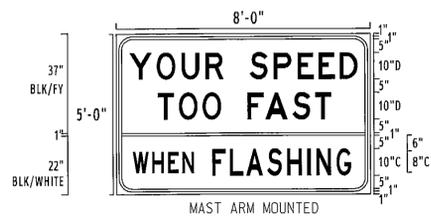


US 15 IS CONSIDERED TO RUN IN A NORTH SOUTH DIRECTION

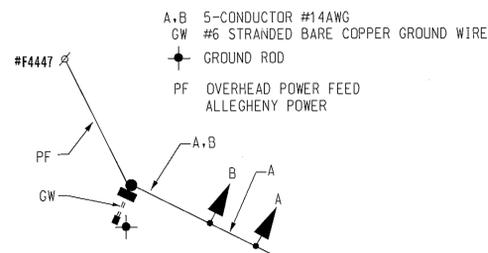
PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A SPEED ACTIVATED HAZARD IDENTIFICATION BEACON (HIB) FOR THE SOUTHBOUND DIRECTION OF US 15 NORTH OF WILLOW ROAD IN FREDERICK COUNTY. WHEN ACTIVATED, THE HIB WILL DISPLAY BOTH AN ALTERNATING PAIR OF YELLOW SIGNAL HEADS AS WELL AS ACTIVATE A SPEED DISPLAY SIGN TO DISPLAY THE DRIVER'S ACTUAL SPEED.

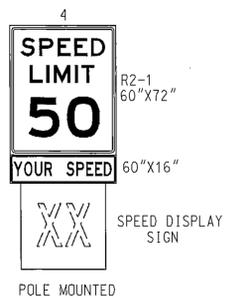
SIGN DETAILS



WIRING DIAGRAM



PROPOSED SIGNS

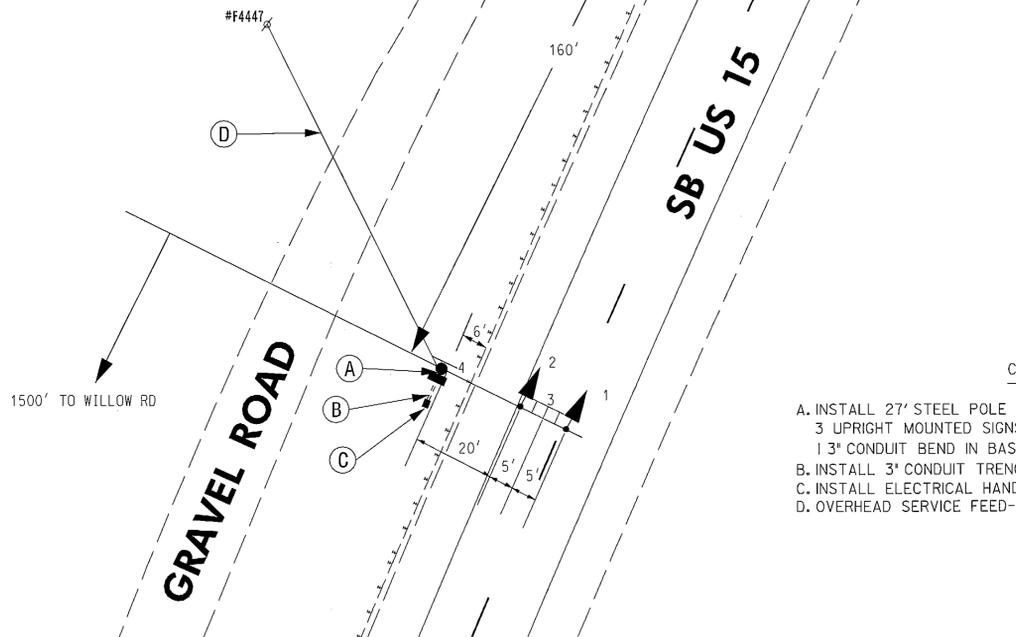


PROPOSED SIGNALS



SEQUENCE CHART

	XX	1	2
NORMAL OPERATION	DARK	DARK	DARK
SPEED ACTIVATED	DISPLAY SPEED	FL Y	FL Y
FLASHING OPERATION	DARK	DARK	DARK



CONSTRUCTION DETAILS

- A. INSTALL 27' STEEL POLE WITH 70' SINGLE MAST ARM (35' BUTT SECTION ONLY), 1 OVERHEAD MOUNTED SIGN, 3 UPRIGHT MOUNTED SIGNS, SIGNAL HEADS, CABINET AND CONTROLLER AND ELECTRICAL UTILITY SERVICE EQUIPMENT. 1 3" CONDUIT BEND IN BASE, 1/4" GALVANIZED RISER ON POLE FOR SERVICE
- B. INSTALL 3" CONDUIT TRENCHED
- C. INSTALL ELECTRICAL HANDHOLE WITH 1 GROUND ROD
- D. OVERHEAD SERVICE FEED-ALLEGHENY POWER

TOD No: XX449-51
SHA No: FR631A52/CS2
SB US 15 North of Willow Road

PROJECT CONTACTS

OFFICE OF TRAFFIC AND SAFETY

MR. ROBERT SNYDER
TOD-INSPECTION
410-787-7630

MR. ED RODENHIZER
SIGNAL OPERATIONS
410-787-7650

MR. SONNY BAILEY
SIGNAL OPERATIONS
410-787-7670

MR. MIKE STOCKER
SIGNAL WAREHOUSE
410-787-7696

DISTRICT 7 OFFICE

MR. JOHN CONCANNON
ASST. DIST ENG TRAFFIC
301-624-8141

MS. ANDREA ABEND
DIST. UTILITY ENGINEER
301-624-8116

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9012	1 EA	2 CIRCUIT FLASHER
9032	1 EA	70' MAST ARM SINGLE X 27'-0" POLE: 35' BUTT SECTION ONLY
9037	1 EA	CABINET "G" TYPE POLE MOUNT
9571	80 SF	SHEET ALUMINUM SIGN-MAST ARM/POLE MOUNT
9000	1 EA	SPEED DISPLAY SIGN

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	2 EA	F&I 12" LED SIGNAL HEAD SECTION
8027	10 LF	F&I SCH 80 PVC CONDUIT, UP TO 4"-TRENCHED
8033	25 LF	#6 STRANDED BARE COPPER GROUND WIRE
8035	1 EA	3" WEATHERHEAD
8037	1 EA	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240V 60 AMPS
8039	100 LF	F&I ELECTRICAL CABLE 1-CONDUCTOR #8 AWG-THHN-THWN
8044	1 EA	F&I ELECTRICAL HANDHOLE
8046	100 SF	INSTALL OVERHEAD SIGN
8057	100 LF	F&I ELECTRICAL CABLE 5-CONDUCTOR #14AWG
8061	1 EA	INSTALL STEEL POLE AND SINGLE MAST ARM-ANY SIZE
8065	1 EA	INSTALL POLE MOUNTED CABINET

APPROVALS	REVISIONS
 C. STRAIN 7-8-10 YEAR LEADER D. DODA 7-8-10 ASST. DIV. CHIEF MIKE STOCKER 7-8-10 DIVISION CHIEF J. BAILEY 7/8/10 OFFICE DIRECTOR	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
SB US 15 SPEED ZONE SIGNING
SPEED ADVISORY HAZARD IDENTIFICATION BEACON

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE JULY 2010 CONTRACT NO. XX4495185

DESIGNED BY C. STRAIN COUNTY FREDERICK
DRAWN BY C. STRAIN LOGMILE 10001517.48
CHECKED BY D. DODA TMS NO. K683
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 4769 DRAWING SG-1 OF 1 SHEET NO. 1 OF 1

PLOTTED: Thursday, July 08, 2010 at 11:30:06 AM
FILE: p8h-wv_sign.dgn

BY: cstrain