PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW INTERSECTION CONTROL BEACON AT THE INTERSECTION OF US 13 (OCEAN HWY) AND MD 366 (STOCKTON RD). IN WORCESTER COUNTY. US 13 (OCEAN HWY) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA TWO-PHASE, FLASHING YELLOW FOR US 13 (OCEAN HWY) AND FLASHING RED FOR MD 366 (STOCKTON RD).

SPECIAL NOTES

ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY THE S.H.A. SIGNAL SHOP CONTACT MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO HOURS IN ADVANCE OF INTENDED WORK.

THE CONTRACTOR SHALL CONTACT BOB SNYDER AT (410) 787-7630 TO ARRANGE FOR TELEPHONE DROP.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION. (SHA CONTRACT NO. XX4435185)

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9044	1	EA	CONTROLLER CABINET, SIZE 6
9570	22	SF	SHEET ALUMINUM GROUND MOUNTED SIGN
	1	EA	SHIELD ASSEMBLY (SOUTH, MD 13,<¬) (30" x 51") GROUND MOUNTED
	1	EA	SHIELD ASSEMBLY (NORTH, MD 27,<¬) (30" x 51") GROUND MOUNTED
9571	93	SF	SHEET ALUMINUM MAST ARM MOUNTED SIGN
	2	EA	D3-1 (VAR. x 16") (Stockton Rd) MAST ARM MOUNTED
	2	EA	D3-1 (VAR. x 16") (Ocean Highway) MAST ARM MOUNTED
	1	EA	SHIELD ASSEMBLY (SOUTH, MD 13,<¬) (48" x 75") POLE MOUNTED
	1	EA	SHIELD ASSEMBLY (NORTH, MD 27,<¬) (48" x 75") POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR (SHA CONTRACT NO. XX4435185)

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1003	2	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5004	80	LF	5 INCH HEAT APPLIED WHITE OR YELLOW PERM. PAVEMENT MARKINGS
8006	2	EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP & LUMINAIRE
8022	2	EA	TWIN MAST ARM POLE & 50 FT/60 FT MAST ARMS ANY 'T' DIMENSION
8032	375	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - BORED
8033	30	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - SLOTTED
8034	200	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8035	68	LF	WOOD SIGN SUPPORTS UP TO 4 X 6
8036	115	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8038	600	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8041	1	EA	METERED SERVICE PEDESTAL EMBEDDED
8043	50	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN
8045	6	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	10	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8056	100	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8057	1900	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8058	800	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC
8065	1	EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #1 ARE AS FOLLOWS:

MR. DONNIE DREWER
DISTRICT ENGINEER
410-677-4040

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-677-4010

MR. BRUCE POOLE
UTILITY ENGINEER
410-677-4082

MR. JAMES WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-624-8105/8106

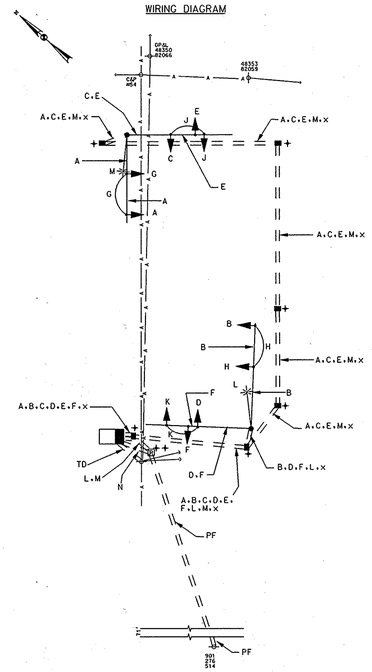
MR. RICHARD L. DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

THE POWER COMPANY REPRESENTATIVE IS:
DELAWARE POWER AND LIGHT
MR. RODNEY BANE
410-860-6292

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
	Y	Y	Y	Y	R	R	R	R	R	R	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

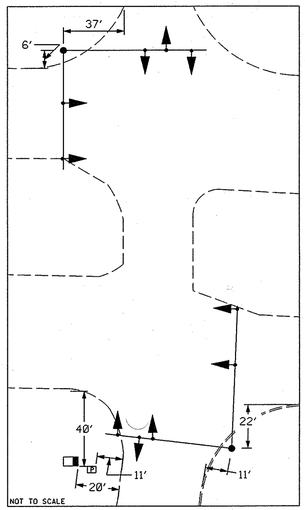
WIRING DIAGRAM



WIRING KEY

A,B,C,D,E,F	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
G,H,J,K	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
L,M	2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TC
N	1 CONDUCTOR ELECTRICAL CABLE 3 WIRES (NO. 4 AWG)
x	1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
PF	UNDERGROUND POWER FEED
TD	TELEPHONE DROP
⊕	GROUND ROD

POLE AND CABINET DIMENSIONS



TOD NO: XX443-01
SHA NO:WO409A51/C51
US 13@ MD 366

BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9220 Rumsey Road; Suite 110
Columbia, Maryland 21045
Phone 410-884-3607
www.brudis.com

PLOTTED: Friday, August 29, 2008 AT 08:29 AM
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 13 (OCEAN HIGHWAY) AT MD 366 (STOCKTON ROAD)

WORCESTER COUNTY, MARYLAND

GENERAL INFORMATION SHEET

SCALE N.T.S. ADVERTISED DATE AUGUST 2008 CONTRACT NO. XX4435185

DESIGNED BY J.B. COUNTY WORCESTER
DRAWN BY N.G. LOGMILE 230011304.23
CHECKED BY TIMS NO. I-777
F.A.P. NO. TOD NO.

TS NO. 4676 SHEET NO. 2 OF 2

WORCESTER

BY: wstroud