

PROJECT DESCRIPTION

THIS PROJECT INVOLVES MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 528 (PHILADELPHIA AVENUE) AND 28TH STREET/ROBIN DRIVE IN WORCESTER COUNTY. L.E.D. COUNTDOWN PEDESTRIAN SIGNALS AND APS PEDESTRIAN PUSH-BUTTONS AND SIGNS WILL BE INSTALLED AT THIS LOCATION. MD 528 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION OPERATES IN A NEMA SIX-PHASE SEMI-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 528, AND ALTERNATE PEDESTRIAN PHASES FOR CROSSING THE NORTH AND SOUTH LEGS OF THE INTERSECTION.

CONTROLLER REQUIRMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 1 ARE AS FOLLOWS:

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040

MR. JIMMY WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 543-6715

MR. BRUCE POOLE
ASSISTANT DISTRICT ENGINEER - UTILITY
PHONE: (410) 677-4082

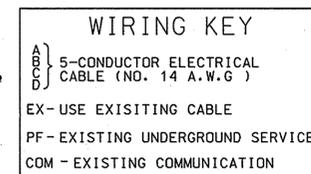
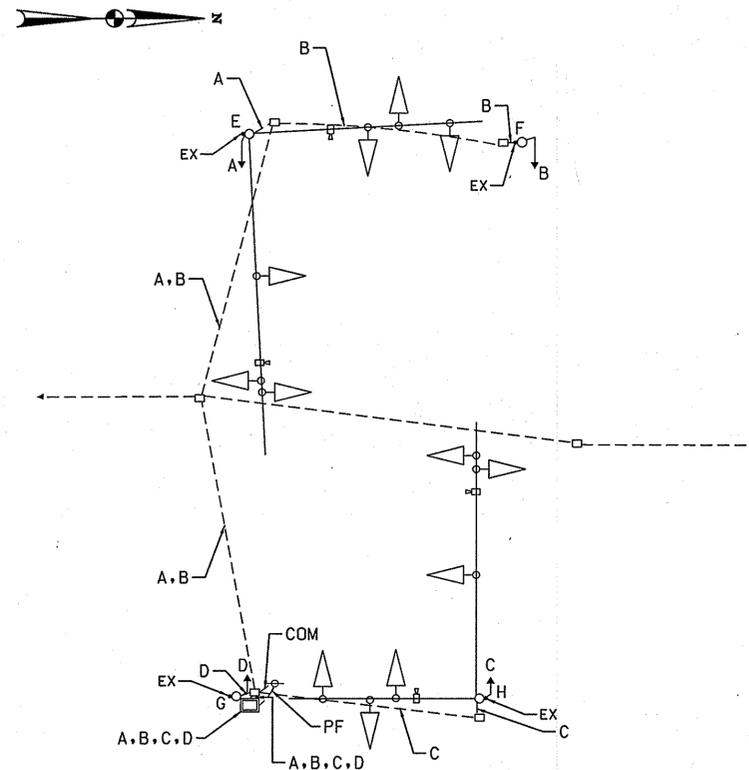
CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

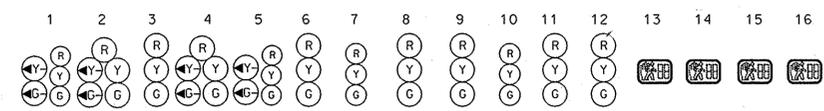
MR. ED RODENHIZER
SIGNAL SHOP
PHONE: (410) 787-7652

MR. SONNY BAILEY
SIGN SHOP
PHONE: (410) 787-7670

WIRING DIAGRAM



PHASE CHART



PHASE 1 & 5	←G-/R	←G-/R	R	←G-/R	←G-/R	R	R	R	R	R	R	R	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																
PHASE 1 & 6	←G-/G	←G-/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 6 CHANGE	←Y-/G	←Y-/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	←G-/G	←G-/G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 & 5 CHANGE	R	R	R	←Y-/G	←Y-/G	G	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE/COUNTDOWN	R	R	R	R	R	R	G	G	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9571	SHEET ALUMINUM POLE MOUNT 4 - R10-4(1) (9"x12" - COASTAL HWY)	SF	3

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	*
5005	F & I 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	LF	200
8021	REMOVE & DISPOSE MATERIAL & EQUIPMENT PER ASSIGNMENT	EA	**
8057	INSTALL OVERHEAD SIGN	SF	3
8086	F&I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)	LF	450
8099	F&I 16" LED COUNTDOWN PEDESTAL SIGNAL HEADS	EA	4
8104	F&I APS PUSHBUTTON & ASSY.	EA	4
8105	FURNISH & DELIVER APS CENTRAL CONTROL UNIT	EA	1

* - MOT QUANTITIES ARE SHOWN ON LAST GI SHEET

** - REMOVE & DISPOSE QUANTITIES ARE SHOWN ON THE LAST GI SHEET

EQUIPMENT LIST "C"

ALL UNUSED EQUIPMENT AND MATERIAL REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

TOD No: AT355-20
SHA: WO421A58/B58
Worcester Co.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 528 (PHILADELPHIA AVENUE) AT
28TH STREET / ROBIN DRIVE
OCEAN CITY, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' DATE 01/2006 CONTRACT NO. AT3555185

DESIGNED BY TC COUNTY WORCESTER
DRAWN BY TC LOGMILE 23052806.72
CHECKED BY DAE TMS NO. H282
FAP NO. TOD NO.

RK & K
RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TELE: (410) 728-2900 FAX: (410) 383-3270

TS NO. 2018C-G1 DRAWING - OF SHEET NO. 6 OF 18