

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES INSTALLATION OF VIDEO DETECTION CAMERAS TO REPLACE THE EXISTING LOOP DETECTORS AT THE INTERSECTION OF MD 528 (PHILADELPHIA AVENUE) AND 17TH STREET IN WORCESTER COUNTY. MD 528 (PHILADELPHIA AVENUE) IS ASSUMED TO RUN IN THE NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SEVEN PHASE, SEMI TRAFFIC-ACTUATED MODE, WITH THE MD 528 APPROACHES RUNNING CONCURRENTLY. THERE ARE EXCLUSIVE /PERMISSIVE LEFT TURN PHASES FOR THE NORTHBOUND AND SOUTHBOUND MD 528. THERE IS AN EXCLUSIVE /PERMISSIVE LEFT TURN PHASE FOR THE EASTBOUND APPROACH OF 17TH STREET FOLLOWED BY THE THRU APPROACHES ON 17TH STREET RUNNING CONCURRENTLY. THERE ARE ALTERNATE PEDESTRIAN PHASES FOR THE NORTH AND SOUTH LEGS OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. AX1395185

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM	QUANTITY	UNIT	DESCRIPTION
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

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

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	*	EA	MAINTENANCE OF TRAFFIC
8007	4	EA	VIDEO DETECTION CAMERA & CABLE

* QUANTITY IS INCLUDED ON SHEET 2 OF 6.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

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

MR. JAMES R. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010

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

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

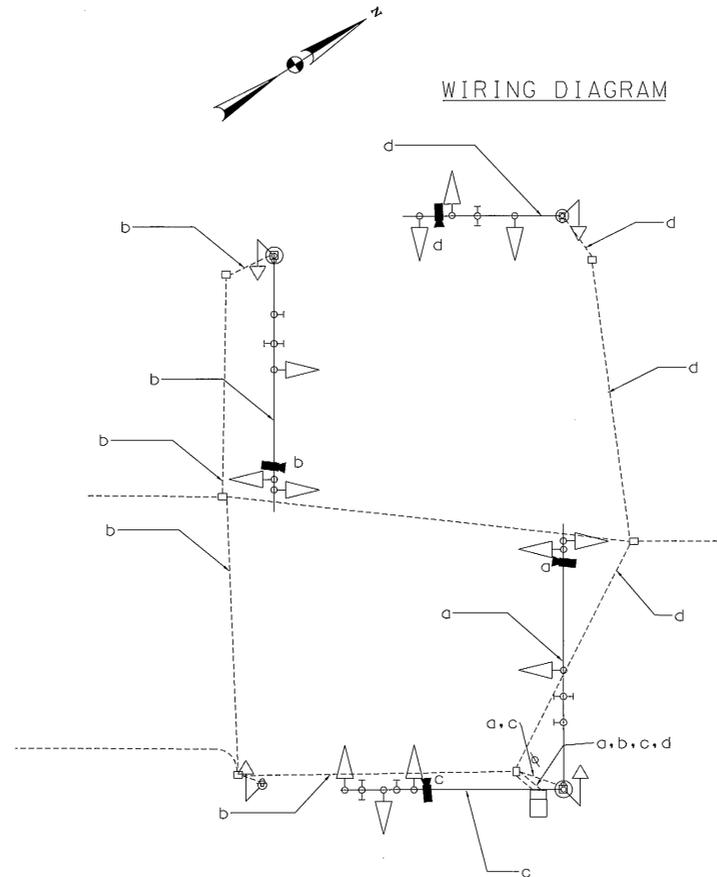
MR. ED RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS
PHONE: 410-787-7650

MR. JOE MANNING
SIGNAL TECHNICIAN- DISTRICT 1
PHONE: 410-677-4056

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 5 CHANGE	TO PHASE 1 & 6, 2 & 5 OR 2 & 6												DW	DW	DW	DW
PHASE 1 & 6	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	G	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 3 & 8	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW
3 & 8 CHANGE	R	R	R	R	R	R	G	G	G	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	FLDW	FLDW	FLDW	FLDW
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	FLDW	FLDW	FLDW	FLDW
4 & 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

a, b, c, d } VIDEO DETECTION CABLE

TOD NO: AX139-08
SHA NO: WO309A51/B51
MD 528 @ 12TH, 15TH, 17TH ST

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 528 (PHILADELPHIA AVE.) @ 17TH ST
TRAFFIC SIGNAL MODIFICATION

GENERAL INFORMATION SHEET

SCALE	N.T.S.	ADVERTISED DATE	01-2009	CONTRACT NO.	AX1395185
DESIGNED BY	NG	COUNTY	WORCESTER		
DRAWN BY	NG	LOGMILE	23052807.44		
CHECKED BY	JB	TIMS NO.	J517		
F.A.P. NO.		TOD NO.			

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TS NO.	361B GI	DRAWING	- 6 OF 6	SHEET NO.	2 OF 2
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