

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC SIGNAL AT US 113 (WORCHESTER) AND MD 610 (WHALESVILLE) IN WORCESTER COUNTY. US 113 (WORCHESTER) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA (6) SIX-PHASE FULLY-TRAFFIC-ACTUATED MODE WITH SOUTHBOUND AND NORTHBOUND US 113 APPROACHES OPERATING CONCURRENTLY. THE EASTBOUND AND WESTBOUND MD 610 APPROACHS WILL OPERATE CONCURRENTLY. EXCLUSIVE/PERMISSIVE LEFT TURNS WILL BE PROVIDED FOR ON US 113 APPROACHES.

CONTROLLER REQUIREMENTS:

A FULLY - TRAFFIC - ACTUATED - EIGHT - PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE - MOUNTED SYSTEM READY CABINET WITH VIDEO CAMERA DETECTION WILL REMAIN AT THIS INTERSECTION.

SPECIAL NOTE:

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
900000	900000	32 S.F.	FURNISH SHEET ALUMINUM SIGNS
		- 2 EA	R3-7R SIGN 48"x48"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
585624	SP-555	70 L.F.	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE)
800000		L.S.	REMOVE AND DISPOSE OF EXISTING EQUIPMENT.
800000		2 EA.	FURNISH AND INSTALL MICRO LOOP PROBE SET W/ 1000 FT. LEAD-IN. (NON EVASIVE)
800000		2 EA.	REMOVE AND RELOCATE VIDEO CAMERA.
800000		2 EA.	FURNISH AND INSTALL 500 FT. VIDEO DETECTION CABLE.
870164	805	60 L.F.	FURNISH AND INSTALL 3 IN. DIA. PVC ELECTRICAL CONDUIT SCHEDULE 80 - BORED
813014	813	32 S.F.	INSTALL GROUND MOUNTED SIGN.
800000	813	6 EA.	REMOVE AND RELOCATE EXISTING OVERHEAD SIGN.
860265	814	5 EA.	RELOCATE EXISTING SIGNAL HEAD.
861107	810	50 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	810	900 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
862102	810	70 L.F.	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
811001	811	1 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #2 ARE AS FOLLOWS:

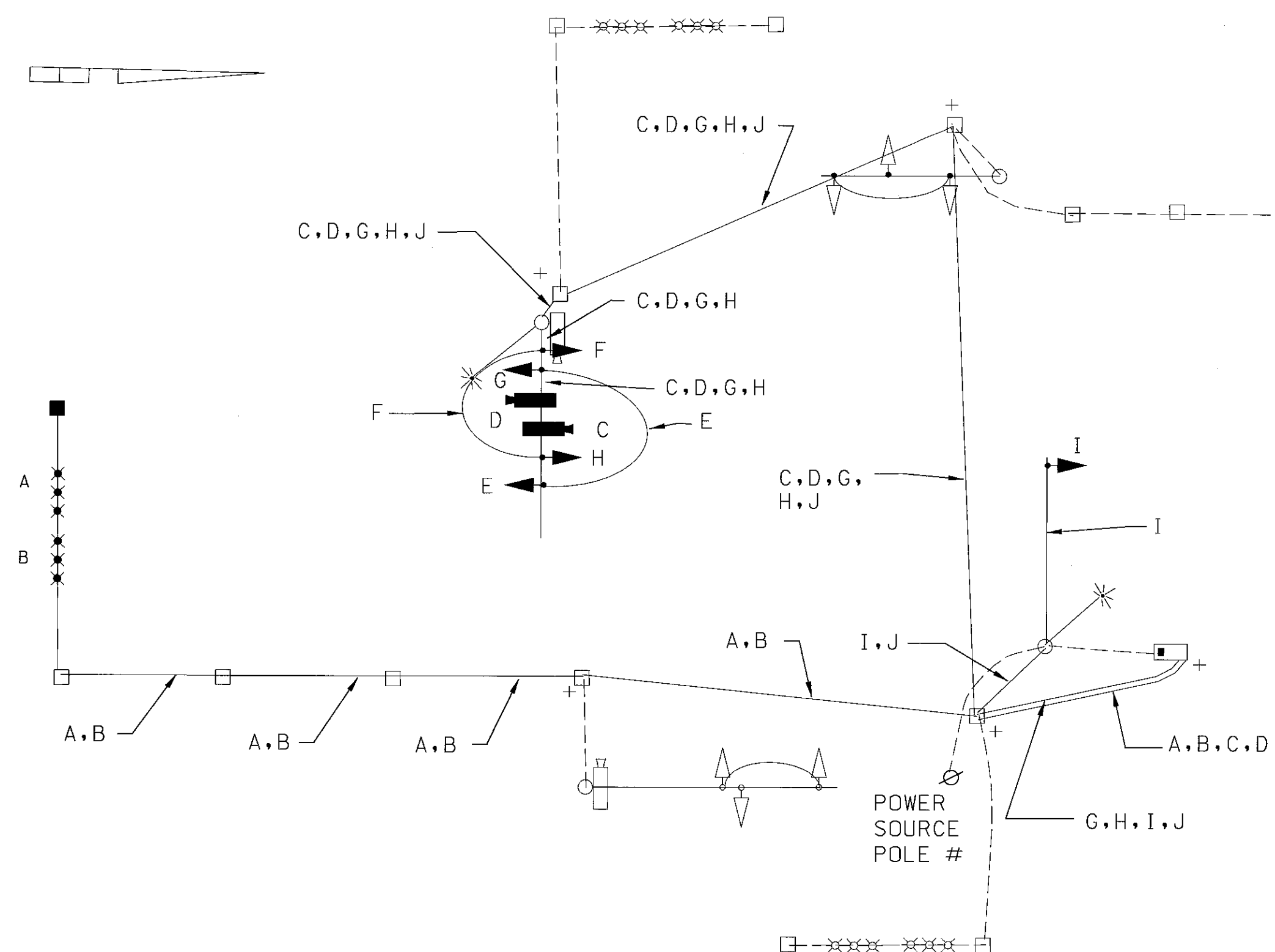
MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040

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

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

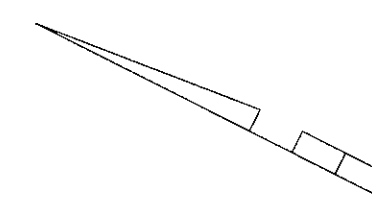
THE POWER COMPANY REPRESENTATIVE IS:
CONNECTIV POWER
MR. CHRIS SMITH
PHONE: (410) 860-6036

WIRING DIAGRAM



WIRING KEY

- A - B } PROBES
- C - D } VIDEO CABLE FOR CAMERA
- E - F } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- G - I } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- PF - POWER FEED (NO. 4 A.W.G.)
- + - 3/4 IN. x 10 FT. GROUND ROD



	1	2	3	4	5	6	7	8	9	10	11
PHASE 1+5	R	R	R	R	R	R	R	R	R	R	R
PHASE 1+6	G	G	R	R	R	R	R	R	R	R	R
PHASE 2+5	R	R	G	G	G	R	R	R	R	R	R
PHASE 2+6	G	G	G	G	G	R	R	R	R	R	R
PHASE 4 + 8	R	R	R	R	R	G	G	G	G	G	G
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

TS-4



REVISIONS		MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION TRAFFIC SIGNAL GENERAL INFORMATION US 113 (WORCHESTER) AT HAMMOND RD / MD 610 (WHALESVILLE RD) TEMPORARY TRAFFIC SIGNAL PHASE 2	
© RECONSTRUCT SIGNAL DUE TO GEOMETRICS IMPROVEMENTS W07475170 5/02 B RECONSTRUCT SIGNAL DUE TO GEOMETRICS IMPROVEMENTS W07475170 5/02 A RECONSTRUCT SIGNAL 12/03/93			
DRAWN BY:	C.A.P. NO. SEE TITLE SHEET	TS NO.	SHEET NO.
CHECKED BY:	S.I.L.A. NO. W0 685-501-176	1848 C	
SCALE: NONE	COUNTY: WORCESTER	T.J.M.S. NO.	36 OF 38
DATE:	LOC MILE: 23011337.04	E - 116	