

EQUIPMENT LIST (CONT.)

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

ITEM NO.	DESCRIPTION	QUANTITY
Neg.	LED 16" countdown pedestrian signal head.	8 EA
Neg.	2 wire Central Control unit	1 EA
Neg.	Audible/tactile pedestrian pushbutton.	8 EA
Neg.	Pedestrian R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS EAST WEST HWY.")	4 EA

Neg. Pedestrian R10-4(1) sign. (Note: 4 EA
Sign to read "PUSHBUTTON TO
CROSS EAST WEST HWY".)

ITEM NO.	DESCRIPTION	QUANTITY
6002	Standard type A combination curb and gutter 12" gutter pan 8" depth.	40 L.F.
6003	Monolithic concrete median 4", type A-1.	5 L.F.
6004	4" concrete sidewalk.	430 S.F.
1 8001	Furnish and install concrete for signal foundation.	23 ± C.Y.
1 8002	Furnish and install 12" pedestrian signal head section.	16 EA.
8007	Pre-manufactured camera to controller (100' length) cable	2 EA
8008	Pre-manufactured camera to controller (200' length) cable	2 EA
8009	Pre-manufactured camera to controller (300' length) cable	2 EA
8010	Pre-manufactured camera to controller (400' length) cable	2 EA
1 8018	Furnish and install breakaway pedestal pole (10').	7 EA
8019	Remove and dispose of existing material and equipment per assignment.	1 EA
8027	Detectable warning system (truncated domes).	96 SF
8030	Furnish and install wood sign supports 4" x 6".	110 L.F.
1 8031	Furnish and install No. 6 AWG stranded bare copper ground wire.	1150 L.F.
8034	Furnish and install 3" electrical conduit - galvanized riser.	70 L.F.
8035	Furnish and install 3" weatherhead.	2 EA
8038	Furnish and install 4" schedule 80 rigid polyvinyl chloride conduit - bored.	365 L.F.
8039	Furnish and install 2" schedule 80 rigid polyvinyl chloride - trenched.	35 L.F.
1 8040	Furnish and install 3" schedule 80 rigid polyvinyl chloride - trenched.	140 L.F.
8041	Furnish and install 4" schedule 80 rigid polyvinyl chloride - trenched.	75 L.F.
8045	Furnish and install 1" liquid tight flexible non-metallic conduit for detector sleeve.	20 L.F.
8046	Metered service pedestal.	1 EA
8048	Furnish and install electrical cable - 1 conductor No. 4 AWG THHN/THWN.	30 L.F.
8050	Furnish and install microloop probe set with 500' lead-in	4 EA
8054	Furnish and install electrical handhole.	7 EA
8056	Install ground mounted sign.	52 S.F.
8057	Install overhead sign.	130 S.F.
8058	Furnish and install video detector camera.	8 EA
8059	Furnish and install 3M opticom #76 discrimination module-4 channel.	1 EA
8061	Furnish and install 3M opticom #721 detector eye	1 EA
8064	Furnish and install 27' (cut to 21') mast arm pole and 50' mast arm.	3 EA
8068	Furnish and install 27' (cut to 21') mast arm pole and 70' mast arm.	1 EA
8075	Furnish and install ground rod - 1/4" x 10'.	11 EA
8076	Furnish and install 8" vehicular traffic signal head section.	6 EA
8077	Furnish and install 12" vehicular traffic signal head section	44 EA
8079	Furnish and install 4-conductor opticom detector cable.	225 L.F.
8080	Cut, clean, galvanize and cap traffic signal structure.	4 EA
1 8083	Furnish and install electrical cable - 2 conductor (No. 14 AWG).	1080 L.F.
8085	Furnish and install electrical cable - 5 conductor (No. 14 AWG).	1625 L.F.
8086	Furnish and install electrical cable - 7 conductor (No. 14 AWG).	1675 L.F.
8089	Furnish and install saw cut for signal (loop detector).	100 L.F.
1 8090	Neg. Pedestrian pushbutton and R10-4(1) sign. (Note: Sign to read "PUSHBUTTON TO CROSS BALTIMORE AVE".)	4 EA
8096	Install controller and cabinet base mount.	1 EA
Neg.	Furnish and install electrical cable - 1 conductor (No. 250 KCMIL)	165 L.F.

SHA Forces shall remove the controller and all auxilliary equipment from the controller cabinet. The cabinet and all other removed signal materials are to become property of the contractor.

The contact persons for District #3 (Prince George's County) are as follows:

Mr. Majid Shakib
Assistant District Engineer - Traffic
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Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Augie Rebish
Assistant District Engineer - Utility
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

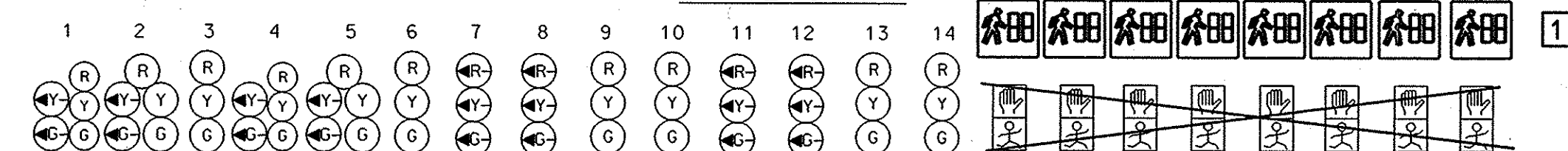
Mr. Ed Rodenh
Signal Shop
410-787-7652

Mr. Sonny Bailey
Sign Shop
410-787-7670

The power company representative is:

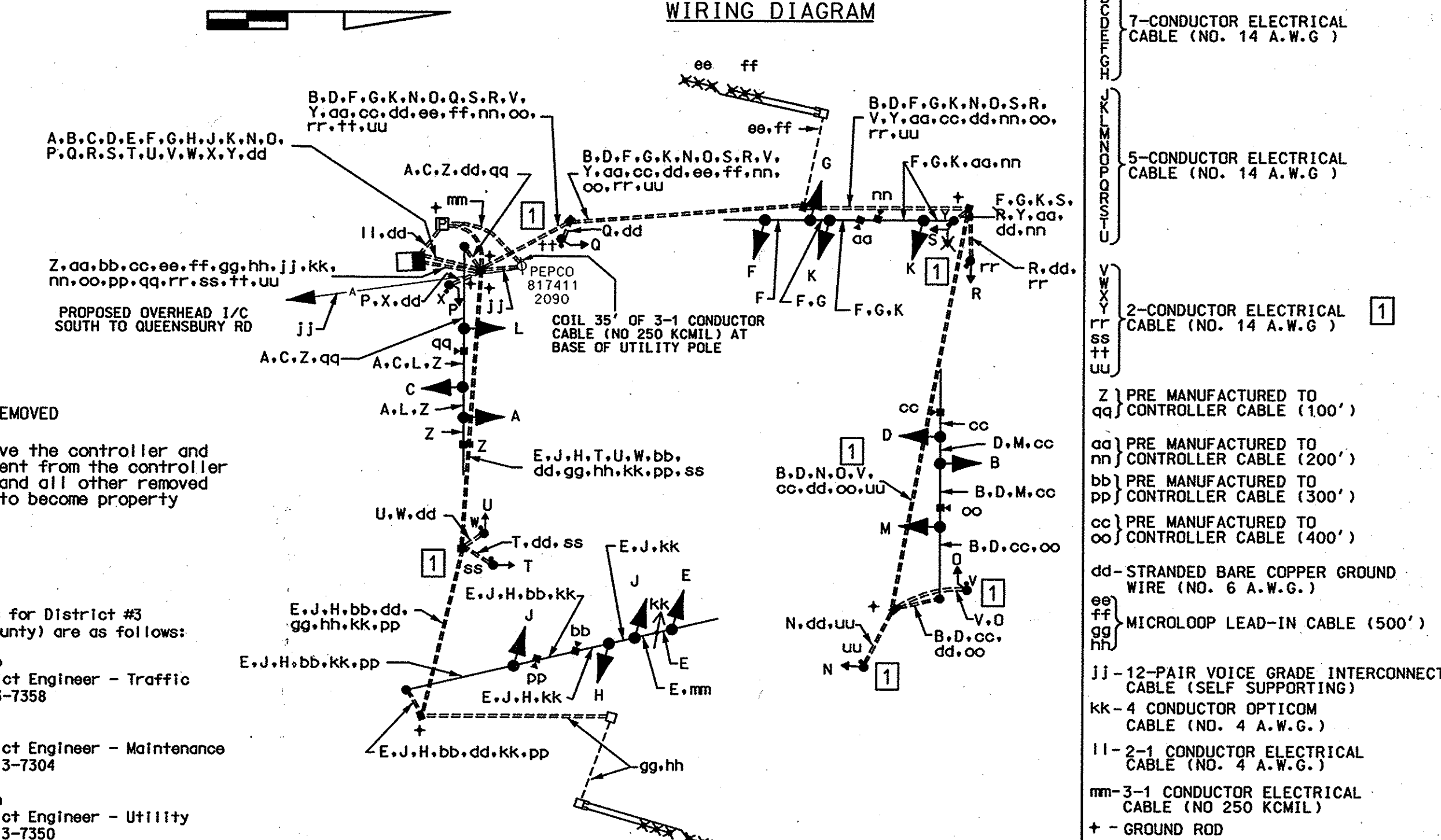
Mr Richard Chilcoat
PEPCO
8300 Old Marlboro Pike
Upper Marlboro, MD 20772

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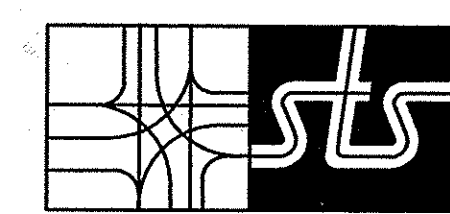


PHASE 1 & 5	←G~R	←G~/R	R	←G~/R	←G~/R	R	←R~	←R~/	R	R	←R~	←R~/	R	R	DW	DW	DW	DW	DW	DW
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6																				
PHASE 1 & 6	←G~/G	←G~/G	G	R	R	R	←R~	←R~/	R	R	←R~	←R~/	R	R	DW	NK	NK	DW	DW	DW
1 & 6 CHANGE	←Y~/G	←Y~/G	G	R	R	R	←R~	←R~/	R	R	←R~	←R~/	R	R	DW	NK	NK	DW	DW	DW
PHASE 2 & 5	R	R	R	←G~/G	←G~/G	G	←R~	←R~/	R	R	←R~	←R~/	R	R	NK	DW	DW	NK	DW	DW
2 & 5 CHANGE	R	R	R	←Y~/G	←Y~/G	G	←R~	←R~/	R	R	←R~	←R~/	R	R	NK	DW	DW	NK	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	←R~	←R~/	R	R	←R~	←R~/	R	R	NK	NK	NK	DW	DW	DW
PED CLEAR	G	G	G	G	G	G	←R~	←R~/	R	R	←R~	←R~/	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	←R~	←R~/	R	R	←R~	←R~/	R	R	DW	DW	DW	DW	DW	DW
PHASE 3 & 7	R	R	R	R	R	R	←G~/	←G~/	R	R	←G~/	←G~/	R	R	DW	DW	DW	DW	DW	DW
CHANGES TO PHASES 3 & 8, 4 & 7 OR 4 & 8																				
PHASE 3 & 8	R	R	R	R	R	R	←R~	←R~/	R	R	←G~/	←G~/	G	G	DW	DW	DW	DW	DW	DW
3 & 8 CHANGE	R	R	R	R	R	R	←R~	←R~/	R	R	←Y~/	←Y~/	G	G	DW	DW	DW	DW	DW	DW
PHASE 4 & 7	R	R	R	R	R	R	←G~/	←G~/	G	G	←R~	←R~/	R	R	DW	DW	DW	DW	DW	DW
4 & 7 CHANGE	R	R	R	R	R	R	←Y~/	←Y~/	G	G	←R~	←R~/	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	←R~	←R~/	G	G	←R~	←R~/	G	G	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	←R~	←R~/	Y	Y	←R~	←R~/	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 3 & 8 ALT	R	R	R	R	R	R	←R~	←R~/	R	R	←G~/	←G~/	G	G	DW	DW	DW	DW	NK	NK
3 & 8 ALT CHANGE	R	R	R	R	R	R	←R~	←R~/	R	R	←Y~/	←Y~/	G	G	DW	DW	DW	DW	NK	NK
PHASE 4 & 7 ALT	R	R	R	R	R	R	←G~/	←G~/	G	G	←R~	←R~/	R	R	DW	DW	DW	DW	DW	NK
4 & 7 ALT CHANGE	R	R	R	R	R	R	←Y~/	←Y~/	G	G	←R~	←R~/	R	R	DW	DW	DW	DW	DW	NK
PHASE 4 & 8 ALT	R	R	R	R	R	R	←R~	←R~/	G	G	←R~	←R~/	G	G	DW	DW	DW	DW	NK	NK
PED CLEARANCE	R	R	R	R	R	R	←R~	←R~/	G	G	←R~	←R~/	G	G	DW	DW	DW	DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	R	←R~	←R~/	Y	Y	←R~	←R~/	Y	Y	DW	DW	DW	DW	DW	DW
PRE EMPT	R	R	R	R	R	R	←G~/	←G~/	G	G	←R~	←R~/	R	R	DW	DW	DW	DW	DW	DW
PRE EMPT CHANGE	R	R	R	R	R	R	←Y~/	←Y~/	Y	Y	←R~	←R~/	R	R	DW	DW	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	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING KEY



1 REDLINE REVISION 11/28/05



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 **MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 AND MD 410 (EAST WEST HWY)

DRAWN BY: <u>RC</u>	F.A.P. NO. _____	TS NO. _____	SHEET NO. 2 OF 2
CHECKED BY: _____	S.H.A. NO. <u>AT5665185</u>	<u>299</u>	
DATE: <u>NONE</u>	COUNTY: <u>PRINCE GEORGE'S</u>	T.J.M.S. NO. _____	
SCALE: <u>2 1/5/05</u>	LOG MILE _____	<u>G633</u>	