PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification of the existing traffic signal at the intersection of MD 202 and Cheverly Avenue in Prince George's County Maryland. MD 202 runs in an East-West direction.

II. INTERSECTION OPERATION

The proposed traffic signal will operate in a NEMA five (5) phase, semi-traffic actuated mode with eastbound and westbound approaches operating concurrently with a westbound exclusive/permissive left turn phase.

The existing eight phase fully traffic actuated controller and master controller will remain. New wiring will be brought into the cabinet.

III. SPECIAL NOTES

1. It is the responsibility of the contractor to confirm geometrics prior to placing signal equipment.
2. The signal shop will be notified to perform internal wiring of the cabinet at MD 202 @ Cheverly Avenue. All cable shall be identified and brought into the controller by the contractor. The contractor shall notify Mr. Edward Rodenhizer, SHA Signal Shop at (410) 787-7650 seventy-two (72) hours in advance of this work.
3. The Maryland State Highway Administration District #3 will be given at least seven (7) days notice to perform striping through the intersection area. Contact Mr. Majid Shakib at (301) 513 - 7358 to initiate this operation.
4. This Project Shall Follow The Standard MOT Plates.
5. 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.
6. The contractor shall furnish and deliver the video detection control cabinet equipment a minimum of three (3) weeks prior to picking up the signal control cabinet from SHA Signal Shop, 7491 Connelley Drive. The contact person is Mr. Ed Rodenhizer for SHA. (410) 787-7650.

THE FOLLOWING CONTACT PERSONS FOR DISTRICT # 3 ARE AS FOLLOWS:

Mr. Lee Starkloff
District Engineer
Phone: (301) 513-7318

Mr. Raleigh Medley
Asst. District Engineer - Maintenance
Phone: (301) 513-7304

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

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

Mr. Majid Shakib
Assistant District Engineer-Traffic
Phone: (301) 513-7358

The Power Company Representative is:

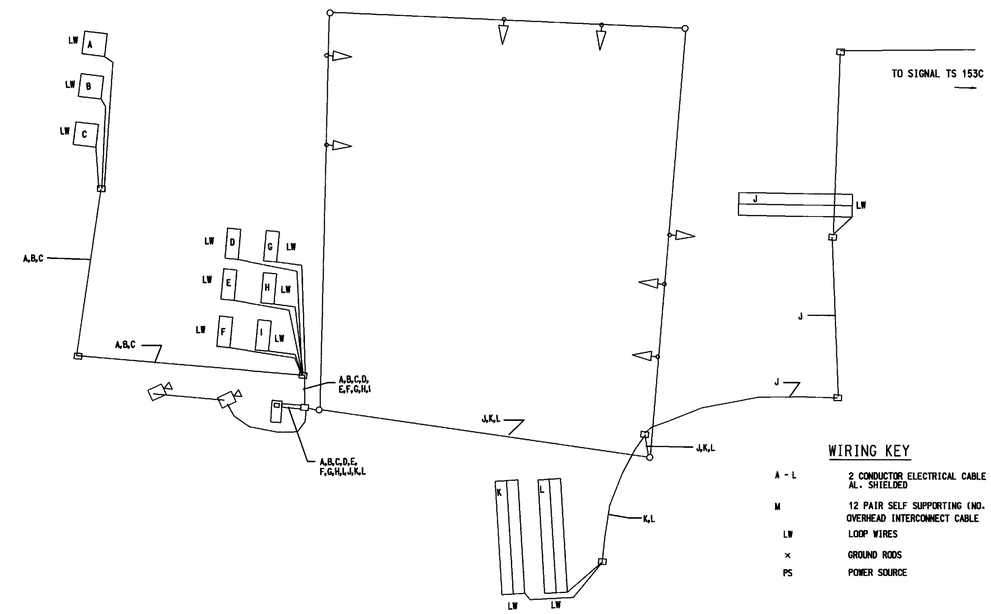
POTOMAC ELECTRIC POWER COMPANY

8300 OLD MARLBORO PIKE
UPPER MARLBORO MARYLAND, 20772
(301) 961-5325

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

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
585620	SP-556	200 L.F.	FURNISH AND INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK)
585624	SP-556	110 L.F.	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE)
805160	805	60 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT.
861104	810	1400 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (AL SHIELDED)
862101	810	2300 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
862102	810	800 L.F.	FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)

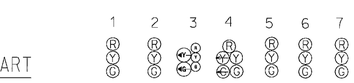
WIRING DIAGRAM



WIRING KEY

A - L	2 CONDUCTOR ELECTRICAL CABLE AL. SHIELDED
M	12 PAIR SELF SUPPORTING (NO. 19) AWG OVERHEAD INTERCONNECT CABLE
LW	LOOP WIRES
×	GROUND RODS
PS	POWER SOURCE

PHASE CHART



	1	2	3	4	5	6	7
PHASE 2 & 5	R	R	~~G~~ G	~~G~~ G	G	R	R
PHASE 5 CHANGE	R	R	~~Y~~ G	~~Y~~ G	G	R	R
PHASE 2 & 6	G	G	G	G	G	R	R
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	R	G	G
PHASE 4 CHANGE	R	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future
72 Loveton Circle Baltimore, Maryland 21152-0949

REVISIONS

B	8-02	REDUE LOOPS DUE TO RESURFACING P04215184
C. MUNZ		
A	7-00	ASBUILT FOR RED LIGHT CAMERA INSTALLATION
RRZ		

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 202 & CHEVERLY AVENUE
GENERAL INFORMATION

DRAWN BY: G. COOK / P.M.	F.A.P. NO.	TS NO. 691 B	SHEET NO.
CHECKED BY:	S.H.A. NO. P-368-385		
SCALE: N.T.S.	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. E 691	65 OF 92
DATE: 8-30-72	LOG MILE: 16020213.34		

FILE: m:\land_3\sp_202_cheverly_gen.dgn DATE: 10/14/02