

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification of the existing traffic signal at the intersection of MD 133 and Stevensons Road in Baltimore County Maryland. MD 133 runs in a North-South direction.

II. INTERSECTION OPERATION

The proposed traffic signal will operate in a NEMA three (3) phase, fully traffic actuated mode with northbound and southbound approaches operating concurrently. The westbound approach will operate separately.

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

III. SPECIAL NOTES

- It is the responsibility of the contractor to confirm geometrics prior to placing signal equipment.
- The signal shop will be notified to perform internal wiring of the cabinet at MD 133 & Stevensons Road. 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.
- The Maryland State Highway Administration District #4 will be given at least seven (7) days notice to perform striping through the intersection area. Contact Mr. Randall Scott at (410) 321-2781 to initiate this operation.
- MOT Plates for this project will be as follows: 104.00 to 104.00-12, 104.01-01, 104.02-01, 104.03-01, 104.75
- 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.

EQUIPMENT LIST

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

CATEGORY CODE	SPEC. #	QUANTITY	DESCRIPTION
900000	813	66.42 S.F.	SHEET ALUMINUM SIGNS
			- 2 EA R3-5L SIGN 30"X36"
			- 1 EA W9-21(4) SIGN 42"X30"
			- 2 EA D3-2 SIGN 96"X16" (DUEL FACED)

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

CATEGORY CODE	SPEC. #	QUANTITY	DESCRIPTION
203030	205	4 CY	TEST PIT EXCAVATION
801004	801	7.27 C.F.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
870163	805	50 LF	FURNISH AND INSTALL 3 IN. DIA. PVC ELECTRICAL CONDUIT SCHEDULE 80 - TRENCHED
869102	819	130 LF	FURNISH AND INSTALL STEEL SPAN WIRE 3/4 IN. DIA.
866104	808	2 EA.	FURNISH AND INSTALL 20 FT. LIGHTING ARM ON SIGNAL STRUCTURE
831010	804	2 EA.	FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
837001	804	2 EA.	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIA. X 10 FT. LENGTH
861116	810	350 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2 - CONDUCTOR NO. 12 AWG TYPE <i>T/C</i>
861107	810	525 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5 - CONDUCTOR NO. 14 AWG
861108	810	300 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7 - CONDUCTOR NO. 14 AWG
802501	810	275 LF	FURNISH AND INSTALL #6 AWG STRANDED BARE COPPER WIRE
813015	813	66.42 SF	INSTALL OVERHEAD MOUNTED SIGNS
860272	814	21 EA.	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION (BLACK FACED)
800000	818	1 EA.	FURNISH AND INSTALL 12 IN. X 27 FT. MAST ARM POLE WITH TWIN 50 FT. MAST ARMS
800000	818	1 EA.	FURNISH AND INSTALL 12 IN. X 27 FT. MAST ARM POLE WITH 38 FT. MAST ARM
800000	L.S.		REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT.

NOTE: ALL EQUIPMENT AND MATERIAL NOT LISTED ABOVE WILL BECOME THE PROPERTY OF THE CONTRACTOR.

THE FOLLOWING CONTACT PERSONS FOR DISTRICT # 4 ARE AS FOLLOWS:

Mr. David Malkowski
District Engineer
Phone: (410) 787-7630

Mr. Joseph McMahon
Acting Engineer-Utility
Phone: (410) 321-2841

Mr. Randall Scott
Assistant District Engineer-Traffic
Phone: (410) 321-2781

Mr. Dave Ramsey
Asst. District Engineer - Maintenance
Phone: (410) 321-2761

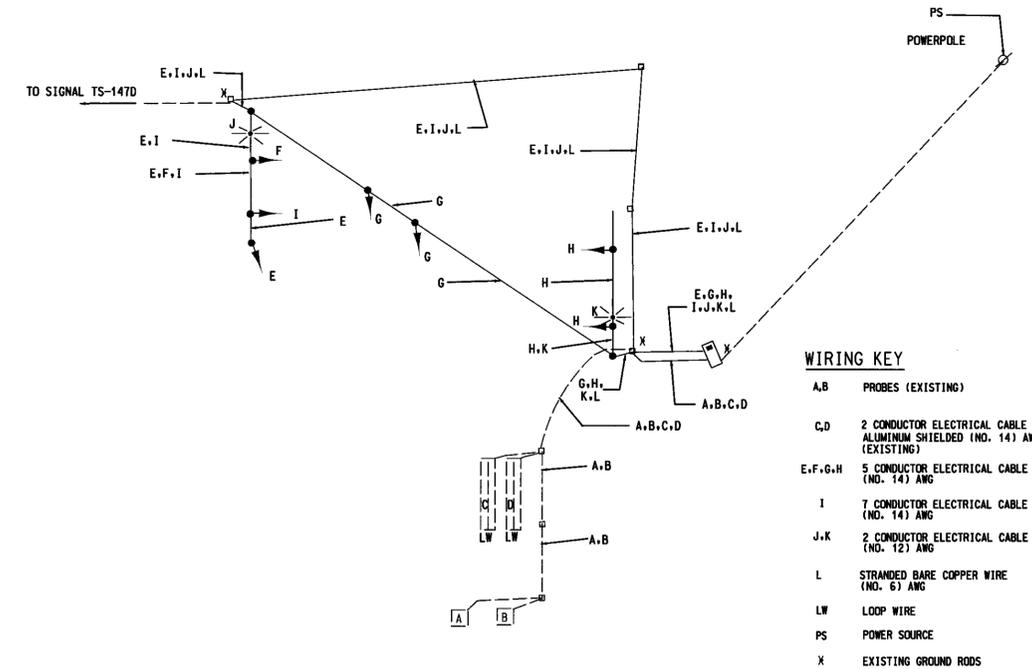
Mr. Richard L. Daff
Chief Traffic Operations Division
Phone: (410) 787-7630

The Power Company Representative is:

BALTIMORE GAS LAND ELECTRIC COMPANY

7313 PARKWAY DRIVE SOUTH
BALTIMORE MARYLAND, 21076
(410) 859-9030

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	
PHASE 2 & 6	R	R	R	R	R	R	R	←
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	→
PHASE 4	R	R	R	R	G	G	G	↑
PHASE 4 CHANGE	R	R	R	R	Y	Y	Y	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	↔



REVISIONS		APPROVALS	
C	RECONSTRUCT SIGNAL DUE TO GEOMETRIC CHANGES. TEMPORARY SIGNAL W/ SPAN WIRE 8A307516		
B	ADD NEAR-SIDE SIGNAL HEAD FOR MD 133 9/28/95		
A			

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 133 (OLD COURT ROAD) & STEVENSON ROAD
GENERAL INFORMATION

DRAWN BY: LT JB	F.A.P. NO.	TS NO. TS-153C	SHEET NO.
CHECKED BY: N.T.S.	S.H.A. NO.	T.I.M.S. NO.	15 OF 22
SCALE: 12-22-72	COUNTY: BALTIMORE	LOG MILE: 03013300.07	