

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of two (2) Firehouse Warning Devices along US 50 in advance of the Linkwood Fire Station in Dorchester County. A pushbutton for flashing activation will be installed inside the firehouse. US 50 is assumed to run in an east-west direction. Also included in this project is the removal of the existing Railroad Warning Devices along US 50 in the area of the firehouse.

II. INTERSECTION OPERATION

- Both Warning Devices along US 50 shall operate as a yellow flash, when activated, to warn drivers of an emergency vehicle's impending entrance onto US 50.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LISTS (CONT.)

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

ITEM NO.	DESCRIPTION	QUANTITY
8066	Furnish and install control and distribution equipment (120/240 V, 1 phase 3 wire system).	1 EA
8084	Furnish and install 12" vehicular traffic signal head section (Yellow)	4 EA
Neg.	Furnish and install pushbutton.	1 EA
Neg.	Furnish and install 1/2" EMT conduit for pushbutton.	LUMP SUM
Neg.	Furnish and install 4" galvanized steel pipe (8' section) (concrete filled).	4 EA
Neg.	Furnish and install electrical cable - 7 conductor (No. 12 AWG).	2300 L.F.
Neg.	Furnish and install electrical cable 3 - 1 conductor (No. 4 AWG).	175 L.F.

EQUIPMENT LISTS

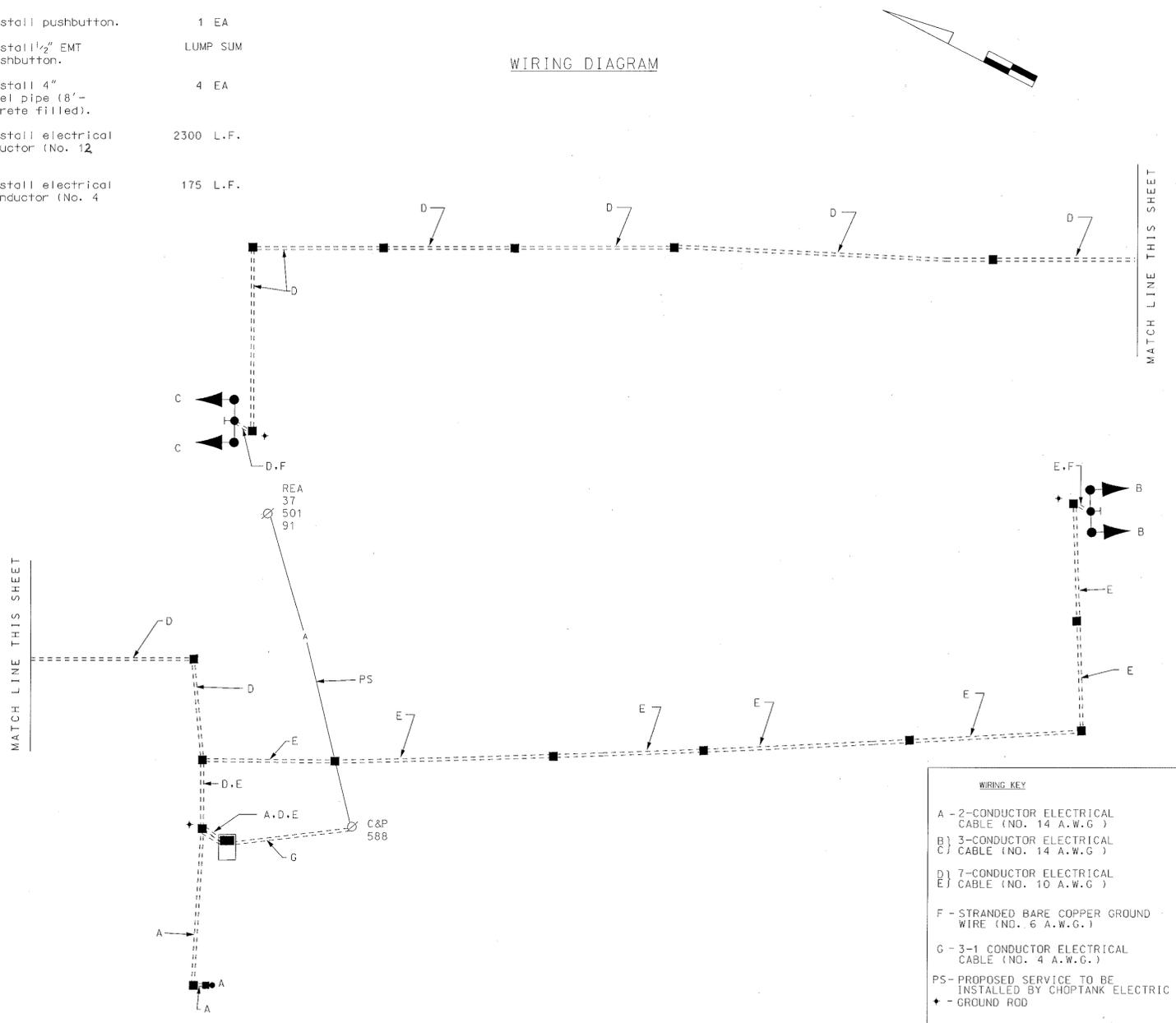
A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9000	Eight-phase, full-traffic actuated, solid state digital controller with associated harnesses housed in a NEMA size "6"-base mounted cabinet.	1 EA
9089	Sheet aluminum signs to consist of: S4-4 special "WHEN FLASHING" sign, (20"x48") pole mounted. W11-8 "FIRE STATION SYMBOL / X-ING" sign, (48"x48") pole mounted.	45.5 SF 2 EA 2 EA

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

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2001	Test pit excavation.	3 C.Y.
8001	Furnish and install concrete for signal foundation.	6 C.Y.
8003	Furnish and install 20' breakaway pedestal pole.	2 EA
8020	Install controller and cabinet base mount.	1 EA
8027	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - trenched	1750 L.F.
8029	Furnish and install 3" schedule 80 rigid polyvinyl chloride conduit - bored.	550 L.F.
8030	Furnish and install 4" schedule 80 rigid polyvinyl chloride conduit - trenched.	30 L.F.
8033	Furnish and install electrical handhole.	17 EA
8034	Furnish and install ground rod - 3/4" x 10'.	3 EA
8042	Furnish and install electrical cable - 2 conductor (No. 14 AWG).	140 L.F.
8043	Furnish and install electrical cable - 3 conductor (No. 14 AWG).	60 L.F.
8048	Furnish and install No. 6 AWG stranded bare copper ground wire.	50 L.F.
8053	Install overhead sign.	45.5 S.F.
8060	Remove and dispose of existing material and equipment per assignment.	1 EA

WIRING DIAGRAM



WIRING KEY

A	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
D	7-CONDUCTOR ELECTRICAL CABLE (NO. 10 A.W.G.)
E	7-CONDUCTOR ELECTRICAL CABLE (NO. 10 A.W.G.)
F	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
G	3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
PS	PROPOSED SERVICE TO BE INSTALLED BY CHOPTANK ELECTRIC
+	GROUND ROD



REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 AND LINKWOOD FIREHOUSE

DRAWN BY: W. J. NIES	F.A.P. NO. 4026	TS NO. 4026	SHEET NO. 2 OF 2
CHECKED BY: R. R. ZACHERL	S.H.A. NO. 10599821853	T.I.M.S. NO. E 024	
SCALE: 1" = 50'	COUNTY:	LOG MILE:	
DATE: 8-23-00			