DRILL HOLES

BORDER REV: DATE: June 1, 2004

DRILL HOLES

DRILL HOLES

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of interconnect cable along US 40 Alt from MD 17 to Middletown Pkwy in Frederick County. Sampling loops shall be placed along US 40 Alt at the intersections of: US 40 Alt / MD 17, US 40 Alt / Schoolhouse Dr and US 40 Alt / Middletown Pkwy.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
2. 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.
3. 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.

The contact persons for District #7 are as follows:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: (310) 624-8141

Mr. Ray Johnson
Assistant District Engineer - Maintenance
Phone: (310) 624-8106

Ms Andrea Abend
District Engineer - Utility
Phone: (301) 624-8110

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

Mr. Ed Rodenhizer
Signal Shop
410-787-7652

Mr. Sonny Bailey
Sign Shop
410-787-7670

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
9044	Controller cabinet, size "5"	2 EA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	2 EA
2002	Test Pit Excavation	10 CY
8003	3/4" to 3" blind coupling welded and galvanized.	2 EA
8022	Remove and dispose of existing material and equipment per assignment.	1 EA
8039	1" electrical conduit - galvanized sleeve or riser.	20 L.F.
8032	F&I SCH 80 Rigid PVC Conduit, Up To 4"-Bored	2000 L.F.
8034	F&I SCH 80 Rigid PVC Conduit, Up To 4"-Trenched	4495 L.F.
8033	F&I SCH 80 Rigid PVC Conduit, Up To 4"-Slotted	330 L.F.
8041	1" liquid tight flexible non-metallic conduit for detector sleeve.	30 L.F.
8044	Furnish and install electrical handhole.	29 EA
8051	12-pair communication cable jelly-filled, (underground).	6200 L.F.
8055	Electrical cable - 2 conductor (aluminium shielded)	405 L.F.
8061	Loop wire encased in flexible tubing (No. 14 AWG).	700 L.F.
8062	Saw cut for signal (loop detector).	155 L.F.
8066	Install controller and cabinet pole mount.	2 EA

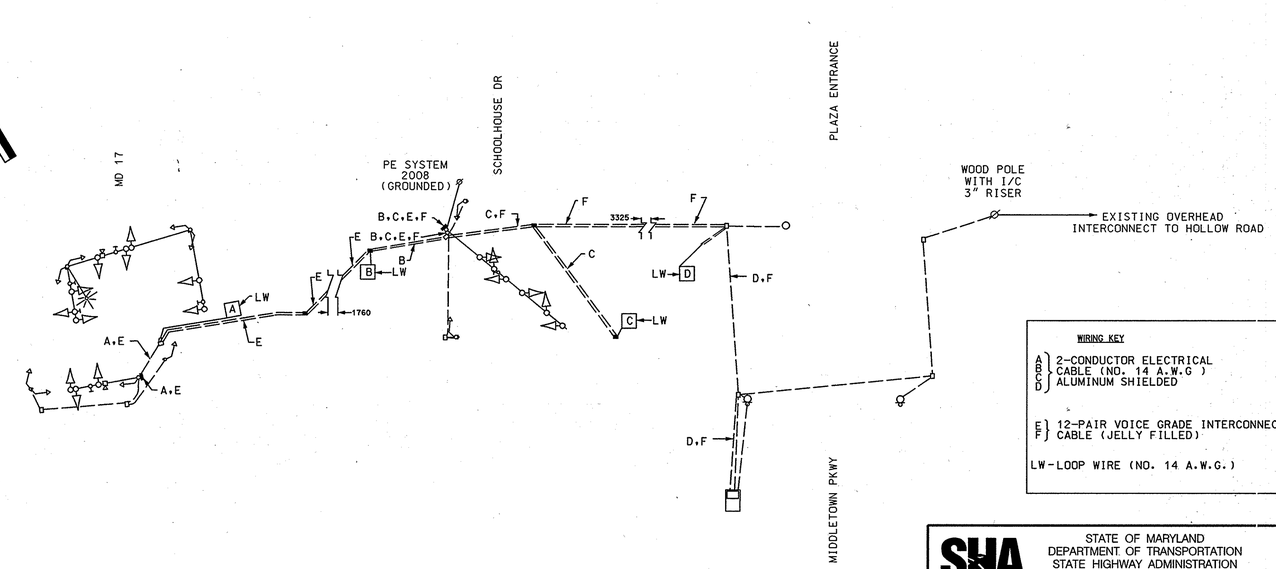
C. EQUIPMENT TO BE REMOVED

SHA Forces shall remove the controller.
All other removed materials are to become property of the contractor.

PHASE CHART

THERE IS NO PHASE CHART FOR THIS PROJECT.

WIRING DIAGRAM



WIRING KEY

A, B, C, D } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G) ALUMINUM SHIELDED

E, F } 12-PAIR VOICE GRADE INTERCONNECT CABLE (JELLY FILLED)

LW-LOOP WIRE (NO. 14 A.W.G.)

TOD NO: AT914-01
SHA No: FR589A51/B51
US 40: MD 17 to Hollow Rd

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4948GI.dgn T-59

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 40 ALT:
FROM MD 17 TO HOLLOW RD.

MIDDLETOWN, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 3/13/07 CONTRACT NO. AT9145185

DESIGNED BY James Allen Jr. COUNTY FREDERICK
DRAWN BY RC LOGMILE 10040A05.13-10040A06.68
CHECKED BY TIMS NO. H181
F.A.P. NO. TOD NO.

TS NO. 1535 SCS DRAWING NO. IC5 OF 5 SHEET NO. OF

PLOTTED: WEDNESDAY, MARCH 14, 2007 AT 10:31:08 AM
FILE: 4948GI-V8.DGN