DRILL HOLES

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BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a Hazard Identification Beacon and video detector along northbound MD 665 near its overpass of Riva Road. in Anne Arundel County. MD 665 is assumed to run an north-south direction.

II. OPERATION

1. When the video camera detects a predetermined number of vehicles or speed on northbound MD 665, a signal shall be sent to the Hazard Identification Beacon to begin flashing "Yellow". This is intended to warn northbound drivers that they are approaching a congested area.

2. A full-traffic-actuated, eight-phase controller with video interface, detector rack and all necessary equipment housed in a size "G" pole-mounted cabinet shall be installed at this location.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, 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 (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.

4. Contractor shall supply the anchor bolts and concrete foundation for the strain pole. Contractor shall be paid for these parts from the strain pole installation price item.

The contact persons for District #5 are as follows:

Ms. Kim Tran
Assistant District Engineer - Traffic
Phone: (410) 841-1003

Mr. Charles George
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

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

The power company representative is:

Mr. Steve Schneider
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, MD 21076
410-859-9310

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
9009	12"x30" strain pole.	1 EA
9012	2-circuit flasher unit with a dimmer switch	1 EA
9042	Controller ASC II with telemetry with mini hub II	1 EA
9037	Cabinet "G" type - pole mount	1 EA
9086	Video detection interface equipment: 1-4 cameras (To be installed by signal shop).	1 EA
9571	Sheet aluminum signs to consist of: (pole mount)	64 SF
	W4-1 (L) " Merge (Symbolic)" sign (48" x 48").	1 EA
	SPEC "WATCH FOR STOPPED / TRAFFIC AHEAD / WHEN FLASHING / W4-1 (L)" sign. (144" x 48").	1 EA

EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	3 C.Y.
8001	12" LED signal head section.	2 EA
8007	Any size lighting arm on signal pole with 250 watt HPS lamp & luminaire.	1 EA
8013	Install steel strain	1 EA
8017	Mast arm pole and 60' mast arm any "T" dimension	1 EA
8026	Video detection camera & cable up to 500'	1 EA
8035	Schedule 80 rigid PVC conduit up tp 4" - trenched.	1100 L.F.
8036	Schedule 80 rigid PVC conduit up tp 4" - bored.	110 L.F.
8039	Install overhead mounted sign.	64 S.F.
8041	No. 6 AWG stranded bare copper ground wire.	45 L.F.
8043	Metered service pedestal embedded.	1 EA
8045	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	120 L.F.
8047	Furnish and install electrical handhole.	6 EA
8056	Electrical cable - 5 conductor (No. 14 AWG).	1160 L.F.
8064	Install controller and cabinet pole mount.	1 EA

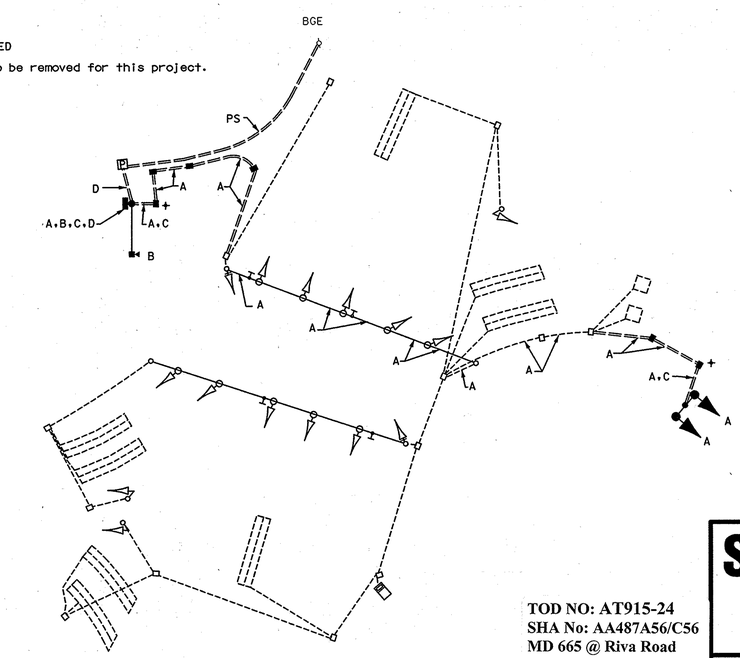
C. EQUIPMENT TO BE REMOVED

There is no signal material to be removed for this project.

PHASE CHART

THERE IS NO PHASE CHART FOR THIS PROJECT.

WIRING DIAGRAM



WIRING KEY

A - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G)

B - VIDEO CONTROL CABLE

C - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

D - 3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)

PS - PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY BGE

+ - GROUND ROD

TOD NO: AT915-24
SHA No: AA487A56/C56
MD 665 @ Riva Road

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

5140GI.dgn T-28

PLOTTED: @DATETIME@
FILE: @FILE@

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 665 @ RIVA ROAD

ANNAPOLIS, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 12/15/06 CONTRACT NO. AT9155185

DESIGNED BY J. ALLEN Jr. COUNTY ANNE ARUNDEL
DRAWN BY R. C. LOGMILE
CHECKED BY TIMS NO. H922
F.A.P. NO. TOD NO.

TS NO. DRAWING NO. 2 OF 2 SHEET NO. OF

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