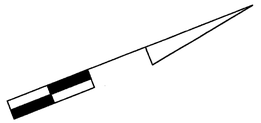


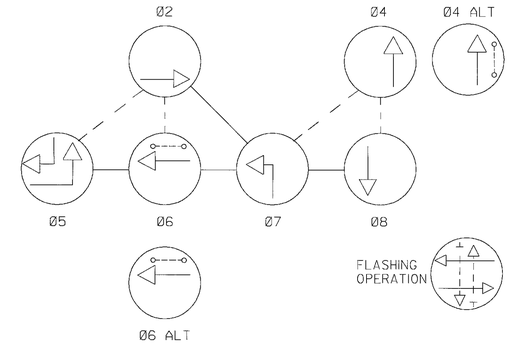
MD 173 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

EXISTING SIGNALS

VIDEO DETECTION CAMERA

NEMA PHASING



PROJECT DECRIPTION

GENERAL

This project involves the addition of a lighting standard with a 250W HPSV luminaire on the southeast quadrant of the intersection. BGE will also upgrade existing lease lighting at the intersection. MD 173 is considered to run in a north-south direction.

INTERSECTION OPERATION

There is no change in the existing operation of the signal.

CONSTRUCTION DETAILS

A. Install 40' lighting standard with 15' lighting arm and 250 W HPS luminaire. Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install handhole.

C. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

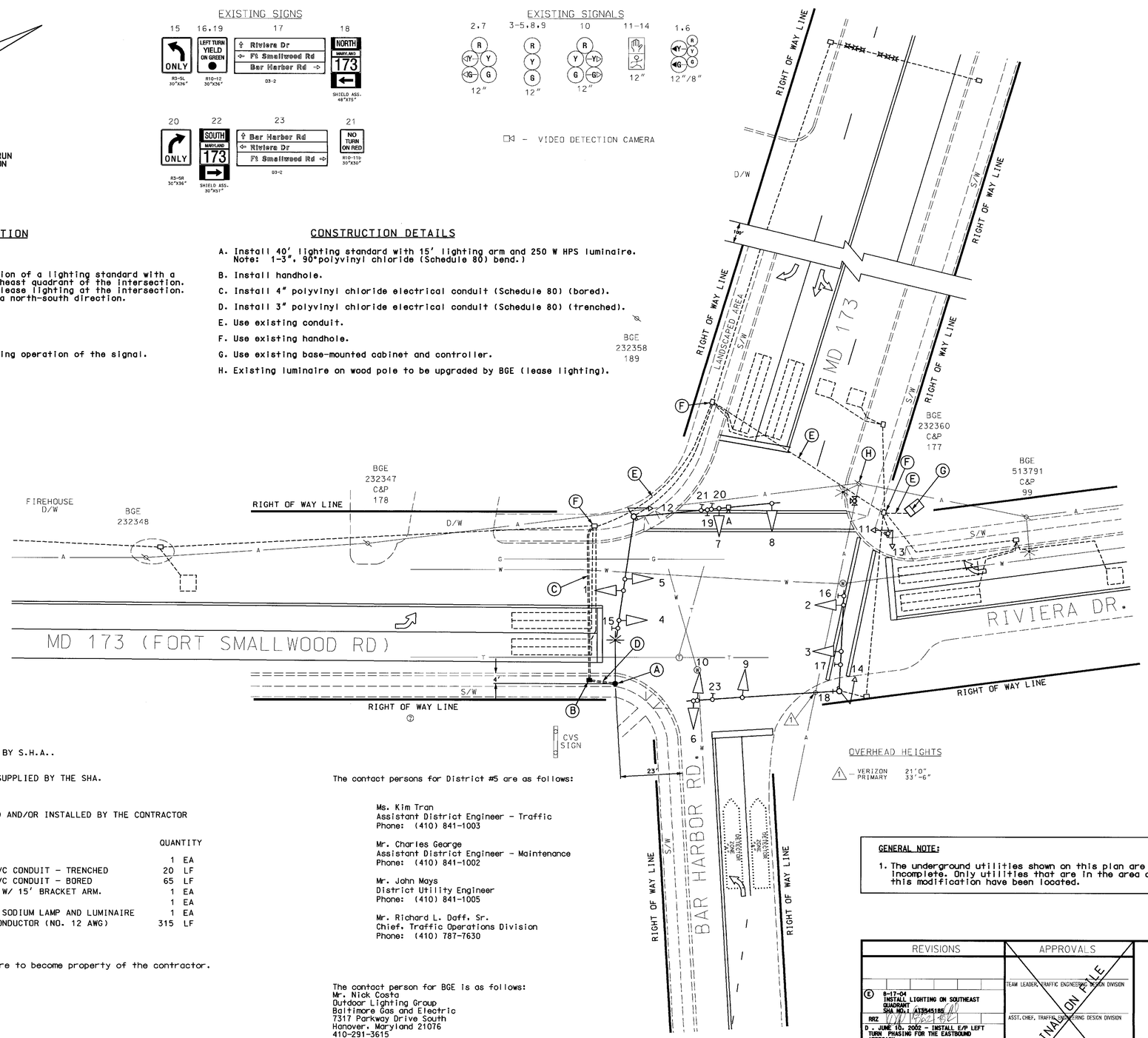
D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

E. Use existing conduit.

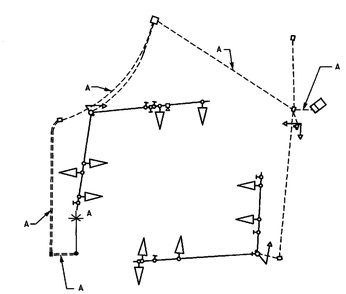
F. Use existing handhole.

G. Use existing base-mounted cabinet and controller.

H. Existing luminaire on wood pole to be upgraded by BGE (lease lighting).



WIRING DIAGRAM



WIRING KEY

A - 2 CONDUCTOR TRAY CABLE (NO. 12 AWG)

EQUIPMENT LIST

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

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

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

ITEM NO.	DESCRIPTION	QUANTITY	
1001	MAINTENANCE OF TRAFFIC	1	EA
8009	3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	20	LF
8013	4" SCHEDULE 80 RIGID PVC CONDUIT - BORED	65	LF
8022	40' LIGHTING STRUCTURE W/ 15' BRACKET ARM.	1	EA
8023	ELECTRICAL HANDHOLE	1	EA
8026	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	1	EA
8041	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	315	LF

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

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
District Utility Engineer
Phone: (410) 841-1005

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

The contact person for BGE is as follows:
Mr. Nick Costa
Outdoor Lighting Group
Baltimore Gas and Electric
7317 Parkway Drive South
Hanover, Maryland 21076
410-291-3615

OVERHEAD HEIGHTS

1 - VERIZON 21'0"
PRIMARY 33'-6"

GENERAL NOTE:

1. The underground utilities shown on this plan are incomplete. Only utilities that are in the area of this modification have been located.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

REVISIONS

E 8-17-04 INSTALL LIGHTING ON SOUTHEAST QUADRANT SHA NO.: AT3545185				
RRZ				
D. JUNE 10, 2002 - INSTALL E/P LEFT TURN PHASING FOR THE EASTBOUND APPROACH SHA NO. XX1085185				
J.A.H.	M.A.R.	D.A.Z.	B.R.K.	T.H.
C. 01/16/1998 ADD PEDESTRIAN MOVEMENT FOR NORTH & EAST APPROACHES				
F.W.	D.J.D.	D.A.Z.	B.R.K.	D.R.A.

APPROVALS

ORIGINAL ON FILE

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

REVISION "E"

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

4671.dgn WT-54

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 173 AND
BAR HARBOR RD / RIVIERA DRIVE

SHA#: AA910A02 TID#: AT3511-07

DRAWN BY: W.E. Miller	F.A.P. NO.	TS NO. 1369 E	SHEET NO. 1 OF 1
CHECKED BY: Dennis J. Dade	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. G 513	
DATE:	LOG MILE: 02017305.13		

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