

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF NON-INVASIVE PROBES AT THE INTERSECTION OF MD 372 (WILKENS AVENUE) AND I-695 SOUTHBOUND OFF RAMP IN CATONSVILLE, BALTIMORE COUNTY DUE TO GRIND AND OVERLAY OF MD 372.

MD 372 (WILKENS AVENUE) IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

II. INTERSECTION OPERATION

1. THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE WITH THE MD 372 APPROACHES RUNNING CONCURRENTLY. EXCLUSIVE/PERMISSIVE LEFT TURN PHASING SHALL OPERATE FOR WESTBOUND APPROACH OF MD 372. I-695 SOUTHBOUND OFF RAMP SHALL OPERATE AN INDEPENDENT LEFT TURN PHASE.

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
2. 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.
3. CONTRACTOR SHALL REFER TO 2011 EDITION OF MdMUTCD FOR ANY LANE OR SHOULDER CLOSURES DURING THE INSTALLATION OF NON-INVASIVE PROBES.

CONTACTS

DISTRICT	OFFICE OF TRAFFIC AND SAFETY
MR. DAVE PEAK DISTRICT ENGINEER 410-229-2310	CHIEF, TRAFFIC OPERATIONS 410-787-7630
MRS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC 410-229-2381	MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. MICHAEL PASQUARIELLO UTILITIES ENGINEER 410-229-2341	MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS 410-787-7650
MR. DONALD SCHAEFER ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 410-229-2421	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS 410-787-7670
MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE 410-229-2361	MRS. DARLENE EIDE SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

EQUIPMENT LIST

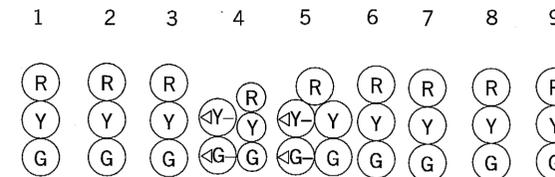
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION.

NO EQUIPMENT SHALL BE FURNISHED BY STATE HIGHWAY ADMINISTRATION.

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

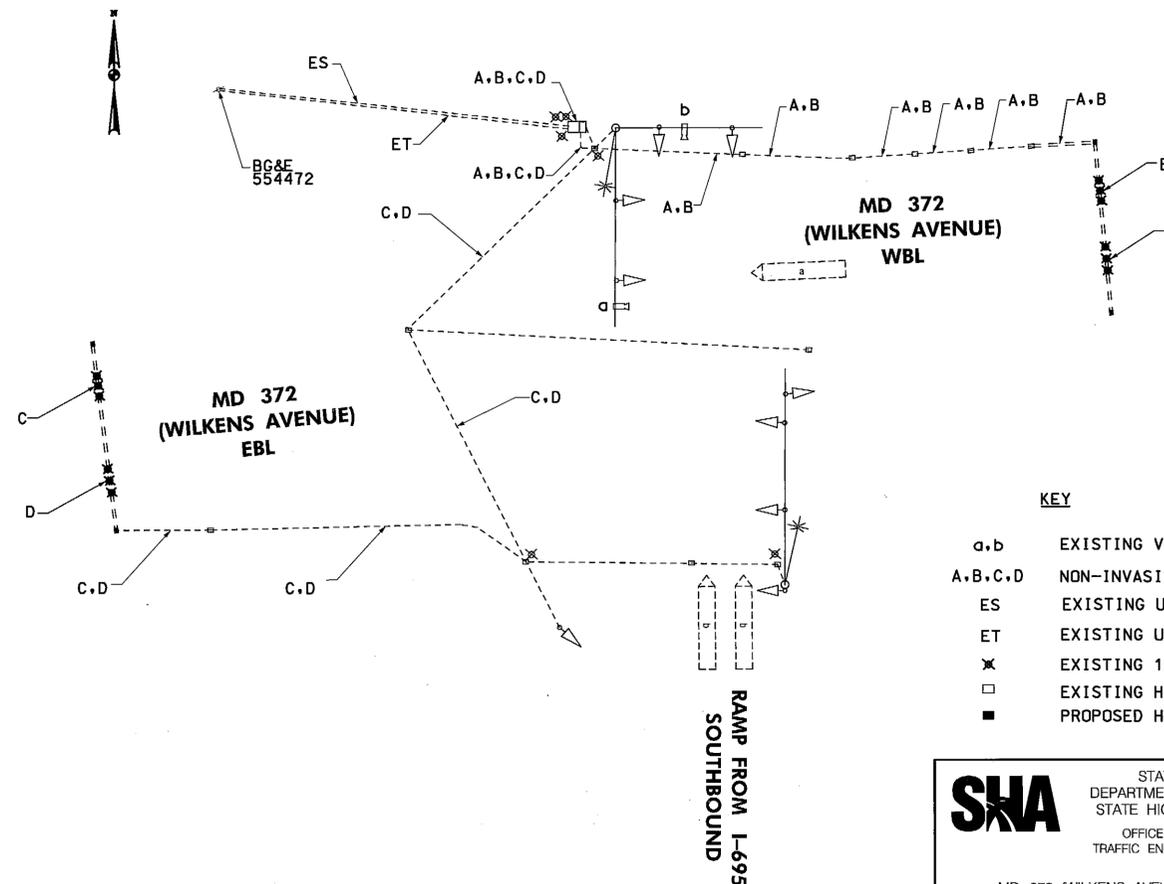
CAT CODE	QUANTITY	UNITS	DESCRIPTION
801706	5	SF	REMOVE SIGNS FROM EXISTING OVERHEAD STRUCTURE
805115	42	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805135	63	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805150	45	LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
810601	2	EA	NON-INVASIVE DETECTOR, 500 FOOT LEAD IN CABLE
811001	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813023	5	SF	RELOCATE EXISTING GROUND MOUNTED SIGNS

PHASE CHART



PHASE 2 AND 5	R	R	R	<G/G	<G/G	G	R	R	R
2 AND 5 CHANGE	R	R	R	<Y/G	<Y/G	G	R	R	R
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R
PHASE 4	R	R	R	R	R	R	G	G	G
4 CHANGE	R	R	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R

WIRING DIAGRAM



KEY

- a,b EXISTING VIDEO DETECTOR CAMERA
- A,B,C,D NON-INVASIVE PROBE WITH LEAD-IN
- ES EXISTING UNDERGROUND ELECTRICAL SERVICE
- ET EXISTING UNDERGROUND TELEPHONE SERVICE
- X EXISTING 10 FT. GROUND ROD
- EXISTING HANDHOLE
- PROPOSED HANDHOLE

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 372 (WILKENS AVE) AT KENWOOD AVE (TO I-695 RAMPS)
CATONSVILLE, MARYLAND

REDLINE REVISION NO. 5
SHEET ADDED; SG-1

James V. Pralle
FIELD TEAM LEADER APPROVAL

G&M
GREENHORNE & O'MARA, INC. / CENTURY ENGINEERING, INC.
A JOINT VENTURE
Baltimore, MD

REVISIONS

1	REDLINE NO. 5 BY 2
2	INSTALLATION NON-INVASIVE PROBES DUE TO GRIND AND OVERLAY OF MD 372 FOR SHA NO. 8A6015180
3	INSTALL VIDEO DETECTION 8-25-2004
4	RELOCATE AND RECONSTRUCT TRAFFIC SIGNAL DUE TO BA333572 CONSTRUCTION

GENERAL INFORMATION SHEET

SCALE: NTS ADVERTISED DATE: 9/25/2012 CONTRACT NO. 8A6015180

DESIGNED BY: CENTURY COUNTY: BALTIMORE
DRAWN BY: CENTURY LOGMILE: 03037201.34
CHECKED BY: CENTURY TMS NO.:
F.A.P. NO.: SEE TITLE SHEET TOD NO.:

TS NO. 1595D DRAWING SG-2 OF 2 SHEET NO. 183B OF 220

PLOTTED: \$DATETIMES
FILE: \$FILES

BY: \$USERNAMES