PROJECT DESCRIPTION

THIS PROJECT INVOLVES UPGRADING THE PRESENCE DETECTION TO VIDEO DETECTION ALONG NORTHBOUND MD 97 (MALCOLM DRIVE) AT THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 97 SOUTH AND MD 140 IN CARROLL COUNTY, MARYLAND. MD 140 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

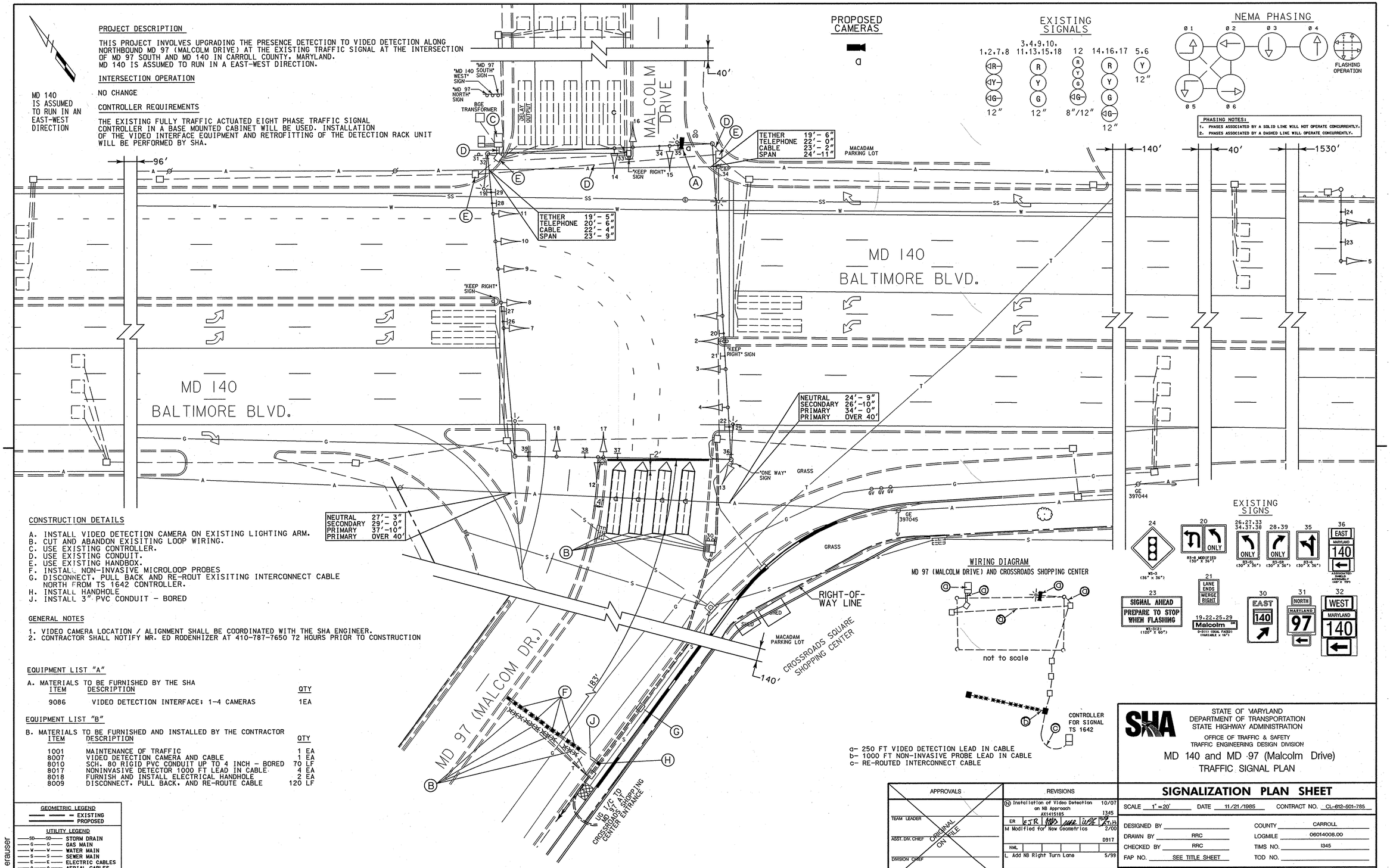
INTERSECTION OPERATION

NO CHANGE

CONTROLLER REQUIREMENTS

THE EXISTING FULLY TRAFFIC ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE MOUNTED CABINET WILL BE USED. INSTALLATION OF THE VIDEO INTERFACE EQUIPMENT AND RETROFITTING OF THE DETECTION RACK UNIT WILL BE PERFORMED BY SHA.

MD 140 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



CONSTRUCTION DETAILS

A. INSTALL VIDEO DETECTION CAMERA ON EXISTING LIGHTING ARM.
B. CUT AND ABANDON EXISITING LOOP WIRING.
C. USE EXISTING CONTROLLER.
D. USE EXISTING CONDUIT.
E. USE EXISTING HANDBOX.
F. INSTALL NON-INVASIVE MICROLOOP PROBES
G. DISCONNECT, PULL BACK AND RE-ROUT EXISITING INTERCONNECT CABLE NORTH FROM TS 1642 CONTROLLER.
H. INSTALL HANDHOLE
J. INSTALL 3" PVC CONDUIT - BORED

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. CONTRACTOR SHALL NOTIFY MR. ED RODENHIZER AT 410-787-7650 72 HOURS PRIOR TO CONSTRUCTION

EQUIPMENT LIST "A"

A. MATERIALS TO BE FURNISHED BY THE SHA

ITEM	DESCRIPTION	QTY
9086	VIDEO DETECTION INTERFACE: 1-4 CAMERAS	1EA

EQUIPMENT LIST "B"

B. MATERIALS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM	DESCRIPTION	QTY
1001	MAINTENANCE OF TRAFFIC	1 EA
8007	VIDEO DETECTION CAMERA AND CABLE	1 EA
8010	SCH. 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED	70 LF
8017	NONINVASIVE DETECTOR 1000 FT LEAD IN CABLE	4 EA
8018	FURNISH AND INSTALL ELECTRICAL HANDHOLE	2 EA
8009	DISCONNECT, PULL BACK, AND RE-ROUTE CABLE	120 LF

a- 250 FT VIDEO DETECTION LEAD IN CABLE
b- 1000 FT NON-INVASIVE PROBE LEAD IN CABLE
c- RE-ROUTED INTERCONNECT CABLE

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SO — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

BY: erauser

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(N) Installation of Video Detection on NB Approach AX1415185	1345	10/07
ER ESR MAS		RPZ
M Modified for New Geometrics	D917	2/00
NML		
L Add NB Right Turn Lane		5/99
RPZ		

PLOTTED: Monday, June 04, 2007 at 12:55:10 PM
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 140 and MD 97 (Malcolm Drive)
TRAFFIC SIGNAL PLAN

SIGNALIZATION PLAN SHEET

SCALE 1"=20' DATE 11/21/1985 CONTRACT NO. CL-612-501-785

DESIGNED BY
DRAWN BY RRC
CHECKED BY RRC
FAP NO. SEE TITLE SHEET

COUNTY CARROLL
LOGMILE 06014008.00
TIMS NO. 1345
TOD NO.

TS NO. 165N | DRAWING SG-## OF ## | SHEET NO. 1 OF 1