F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

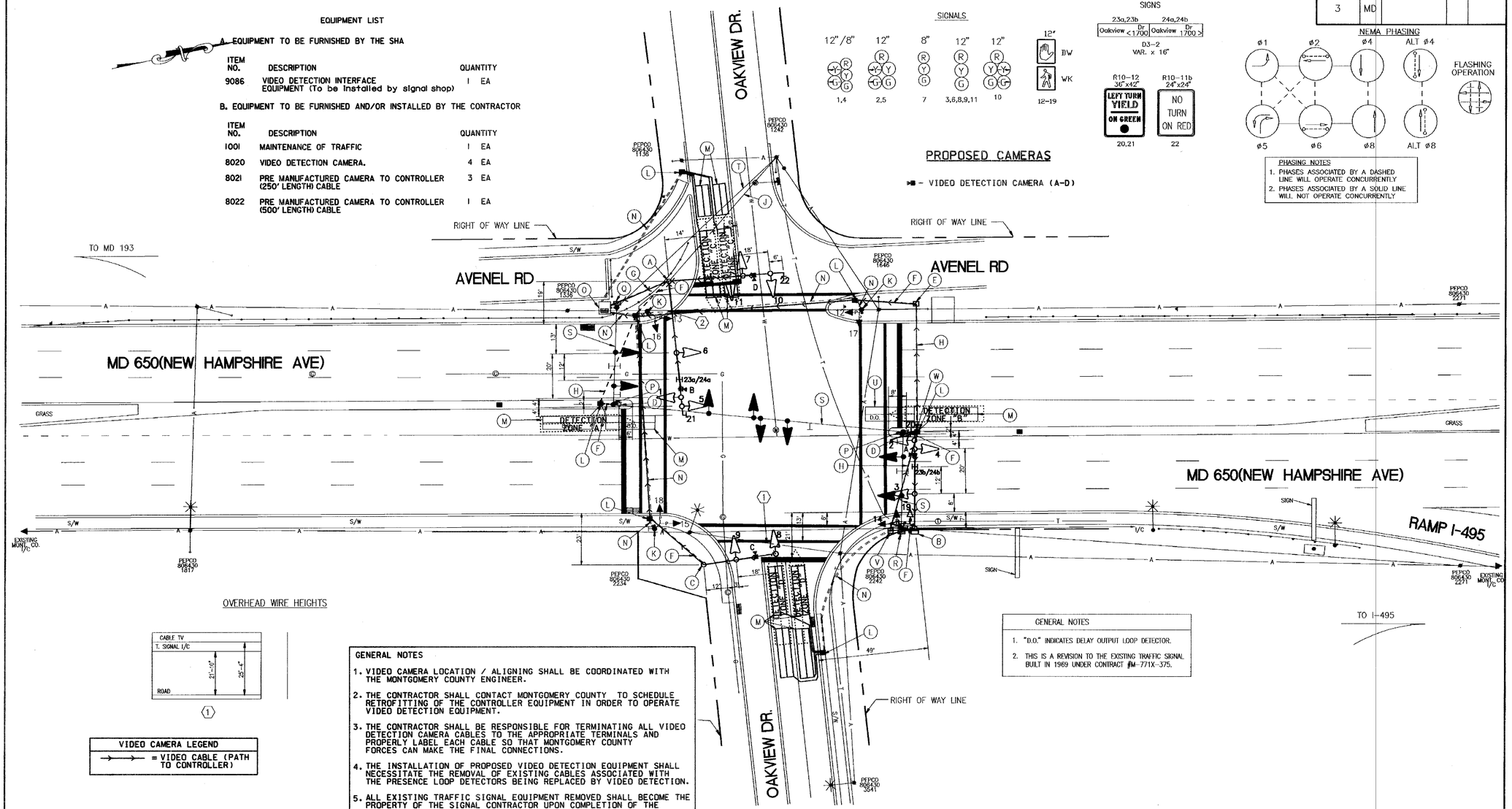
EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY
9086	VIDEO DETECTION INTERFACE EQUIPMENT (To be installed by signal shop)	1 EA

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

ITEM NO.	DESCRIPTION	QUANTITY
1001	MAINTENANCE OF TRAFFIC	1 EA
8020	VIDEO DETECTION CAMERA.	4 EA
8021	PRE MANUFACTURED CAMERA TO CONTROLLER (250' LENGTH) CABLE	3 EA
8022	PRE MANUFACTURED CAMERA TO CONTROLLER (500' LENGTH) CABLE	1 EA



SIGNALS

SIGNS

NEMA PHASING

PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PROPOSED CAMERAS

- VIDEO DETECTION CAMERA (A-D)

OVERHEAD WIRE HEIGHTS

GENERAL NOTES

1. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
2. THIS IS A REVISION TO THE EXISTING TRAFFIC SIGNAL BUILT IN 1969 UNDER CONTRACT #M-771X-375.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE MONTGOMERY COUNTY ENGINEER.
2. THE CONTRACTOR SHALL CONTACT MONTGOMERY COUNTY TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT MONTGOMERY COUNTY FORCES CAN MAKE THE FINAL CONNECTIONS.
4. THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

VIDEO CAMERA LEGEND

→→ = VIDEO CABLE (PATH TO CONTROLLER)

UTILITY LEGEND

T	T	TELEPHONE CABLES
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
BC		BURIED CABLE
SD		STORM DRAIN

GEOMETRIC LEGEND

———	EXISTING GEOMETRICS
— — —	PROPOSED GEOMETRICS

CADFILE:MD650OAK.DWG
PLOT SCALE:1"=20(L)

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-5537

46870593.DGN

CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS

(1) 6-15-93 ASBUILT PEDESTRAIN SIGNAL EQUIPMENT. ADD NEW MAST ARMS POLES, AND SIGNALS.
JRG/DCW
C 5-10-91 ASBUILT AND ADD PED PHASE
S.H.A. No.
RRZ
D 7-23-83 ASBUILT
JPT
(E) 2/2005 REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA MOJMOT175/85
JA

APPROVALS

CHIEF, SIGNAL DESIGN SECTION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC
ORIGINAL ON FILE

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL DRAWN BY: J. SPENCE/J. ALLEN Jr.
DES. BY: R. GORDON
CHK. BY:
DATE: 5-13-69
SCALE: 1"=20'
F.A.P. NO.
S.H.A. NO. M-771X-375

MD 650 AND OAKVIEW DRIVE

T.I.M.S.: 6593
LOG MILE: ~~15065000.61~~ 15065002.96
COUNTY: MONTGOMERY
TS/FILE NO. TS-20D E
SHEET NO. 3 OF 3

SHA#: MD717A59/D59 TOD#: M0717-08