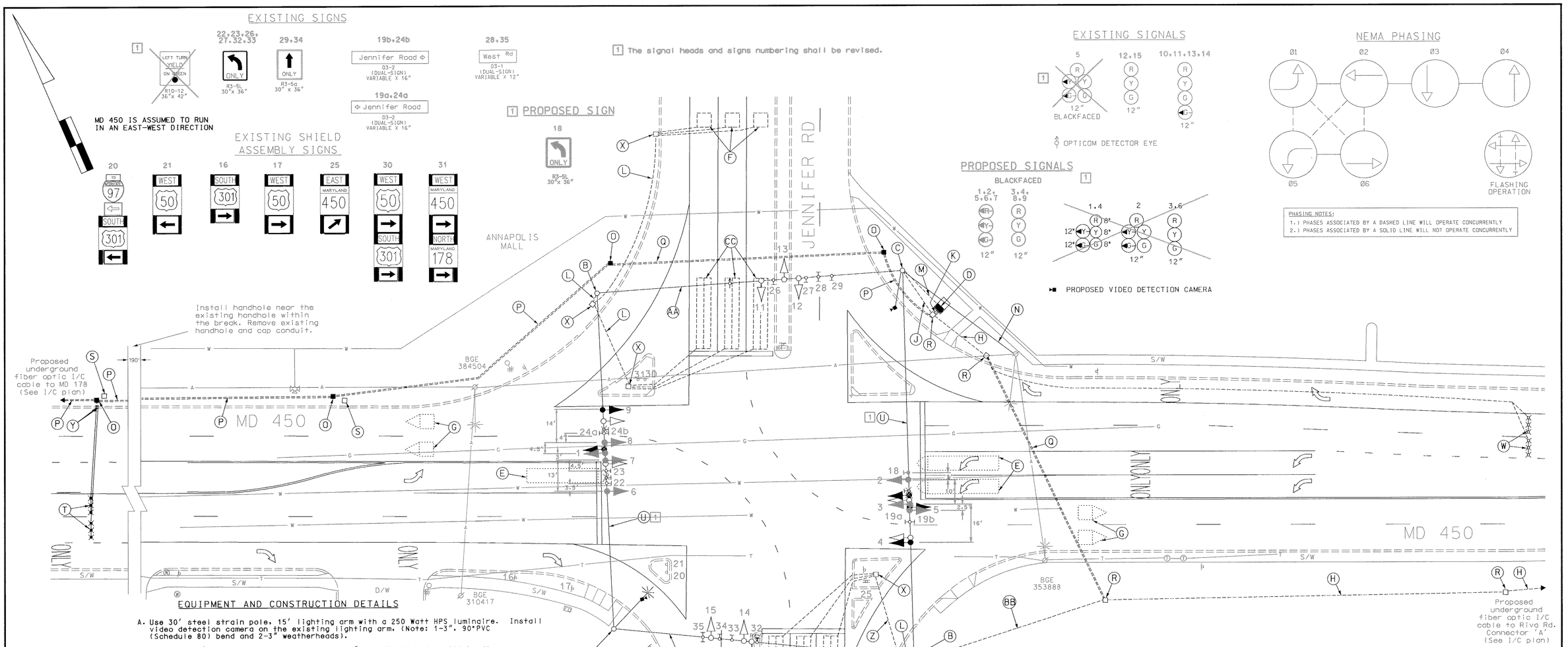

EQUIPMENT AND CONSTRUCTION DETAILS

A. Use 30' steel strain pole, 15' lighting arm with a 250 Watt HPS luminaire. Install video detection camera on the existing lighting arm. (Note: 1-3", 90°PVC (Schedule 80) bend and 2-3" weatherheads).

B. Existing 30' steel strain pole. (Note: 1-3", 90°PVC (Schedule 80) bend).

C. Use 30' steel strain pole with control and distribution equipment. Install video detection camera on a 15' bracket arm. (Note: 1-3", 90° PVC bend and 1-2" weatherhead).

D. Remove existing cabinet and controller. Install new controller and cabinet with all necessary equipment on the same foundation. Add 4" PVC electrical conduit to handhole. Rewire and add fiber optic I/C, probe lead-in, and camera cables (Note: 1-2", 1-3", and 2-4", 90° PVC (Schedule 80) bends).

E. Video detection field for presence detection. (Disconnect and abandon existing loop).

F. Existing 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).

G. Video detection field for sampling detection.

H. Use 3" polyvinyl chloride electrical conduit for installation of the fiber optic I/C cable with tracer wire..

J. Use 3" polyvinyl chloride electrical conduit for installation of the video detection camera cables.

K. Use 4" polyvinyl chloride electrical conduit for installation of the fiber optic I/C cable with tracer wire and probe lead-in cables.

L. Existing 2" polyvinyl chloride electrical conduit (Schedule 80).

M. Existing 2" polyvinyl chloride electrical conduit (Schedule 80) for electrical service.

N. Existing overhead electrical service by BG&E.

O. Install handhole.

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

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

R. Use existing handhole, replace the frame and cover. Install probe lead-ins, camera and fiber optic I/C cables.

S. Remove existing handhole, cap and abondon existing conduit.

T. Install mircoloop probe set with 500' lead-in cable.

1 U. Use 3/8" steel span wire, remove existing signal heads and install new signal heads and adjust signs as shown. Wire signal heads numbered 1,2,5, and 6 with 7-conductor electrical cable and signal heads numbered 3,4,7,8, and 9 with 5-conductor electrical cable.

V. Existing 3/8" steel span wire with signal heads and signs.

W. Existing Mircoloop probe set with 500' lead-in cable.

EQUIPMENT AND CONSTRUCTION DETAILS (CONTINUED)

X. Existing Handhole.

Y. Install 1" galvanized electrical conduit for the detector sleeve.

Z. Existing 2" galvanized electrical conduit.

AA. Use 3/8" diameter steel span wire with the signal heads, signs and opticom detector eye. Install camera cables back and into the controller cabinet.

BB. Existing 3" polyvinyl chloride electrical conduit.

CC. Existing 6' x 30' loop detector encased in 1/4" flexible tubing. (3-6-3)

GENERAL NOTES:

1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.
3. The items for the installation of the fiber optic system for this plan are listed below- the items have been incorporated into the System GI Sheet NO. 15 of 15.

8092-A	Fiber optic I/O Panel	1 Each
8093-A	Fiber optic Repeater Modem	1 Each
8095-A	Fiber optic Telemetry Modules	1 Each
8097-A	Telemetry Interface Cable	1 Each
8098-A	Fiber optic Modem Cable	1 Each
8099-A	Fiber optic Telemetry Cable	1 Each

GEOMETRIC LEGEND	
PROPOSED	
EXISTING	

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

REVISION 'J' 1

STREET TRAFFIC STUDIES, LTD.
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3925e.dgn TASK-5

REVISIONS	
1 REVISION E/P L'T'S TO EXCLUSIVE LEFT TURNS SHA NO. XX1005885	8/22/01
EMM	
J ASBUILT & SYSTEMIZATION SHA NO. XX1005885	7/13/01
EMM	
I ADD NEW DETECTOR LOOPS FOR WB MD RTE 450	10/20/97

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 450 AND JENNIFER RD / US 50 RAMPS

DRAWN BY: L.F. CLARY	F.A.P. NO. AAC085A56/B56	TS NO. 1050 J 1	SHEET NO. 2 OF 3
CHECKED BY: S. RENZI	S.H.A. NO.	T.I.M.S. NO. D 828	
SCALE: 1"= 20'	COUNTY: ANNE ARUNDEL		
DATE: 1/29/73	LOG MILE: 02045009.45		