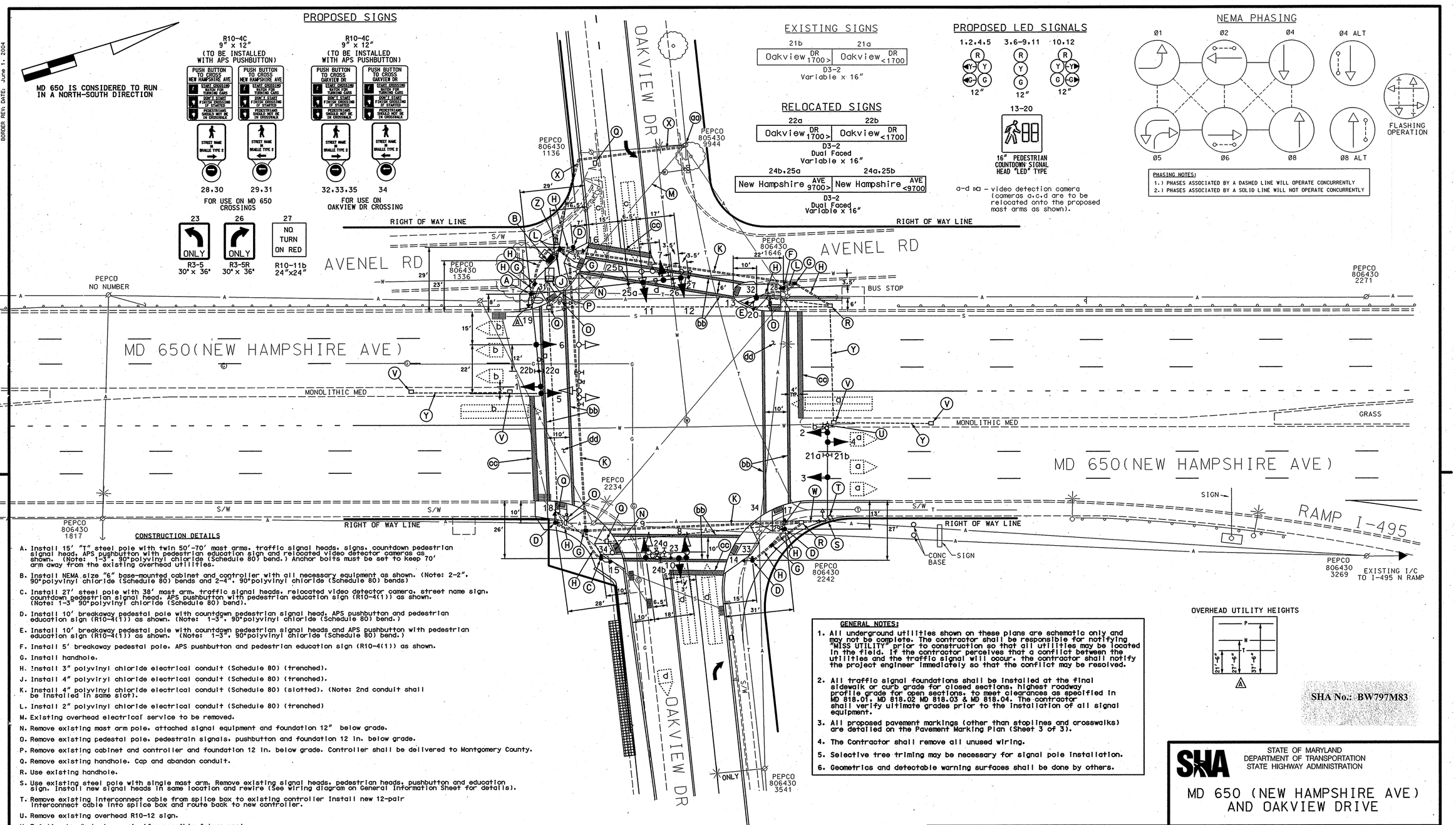

CONSTRUCTION DETAILS

A. Install 15' "T" steel pole with twin 50'-70' mast arms, traffic signal heads, signs, countdown pedestrian signal head, APS pushbutton with pedestrian education sign and relocated video detector cameras as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.) Anchor bolts must be set to keep 70' arm away from the existing overhead utilities.

B. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown. (Note: 2-2", 90°polyvinyl chloride (Schedule 80) bends and 2-4", 90°polyvinyl chloride (Schedule 80) bends)

C. Install 27' steel pole with 38' mast arm, traffic signal heads, relocated video detector camera, street name sign, countdown pedestrian signal head, APS pushbutton with pedestrian education sign (R10-4(1)) as shown. (Note: 1-3" 90°polyvinyl chloride (Schedule 80) bend).

D. Install 10' breakaway pedestal pole with countdown pedestrian signal head, APS pushbutton and pedestrian education sign (R10-4(1)) as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

E. Install 10' breakaway pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign (R10-4(1)) as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

F. Install 5' breakaway pedestal pole, APS pushbutton and pedestrian education sign (R10-4(1)) as shown.

G. Install handhole.

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

J. Install 4" polyviryl chloride electrical conduit (Schedule 80) (trenched).

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted). (Note: 2nd conduit shall be installed in same slot).

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

M. Existing overhead electrical service to be removed.

N. Remove existing mast arm pole, attached signal equipment and foundation 12" below grade.

O. Remove existing pedestal pole, pedestrain signals, pushbutton and foundation 12 in. below grade.

P. Remove existing cabinet and controller and foundation 12 in. below grade. Controller shall be delivered to Montgomery County.

Q. Remove existing handhole. Cap and abandon conduit.

R. Use existing handhole.

S. Use existing steel pole with single mast arm. Remove existing signal heads, pedestrian heads, pushbutton and education sign. Install new signal heads in same location and rewire (See wiring diagram on General Information Sheet for details).

T. Remove existing interconnect cable from splice box to existing controller Install new 12-pair interconnect cable into splice box and route back to new controller.

U. Remove existing overhead R10-12 sign.

V. Existing handhole to remain (for possible future use).

W. Use existing conduit.

X. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored) for electrical service.

Y. Existing conduit to remain.

Z. Install metered service pedestal for underground electrical utility service

aa. Install 3" polyvinyl chloride bend at base of utility pole with 35' of 3 wire, 1 conductor (No. 250 KC MIL) for PEPCO's use in providing service.

bb. Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk).(Crosswalks are to be centered on handicap ramps).

cc. Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline).

dd. Remove existing crosswalk and stopline pavement marking.

GENERAL NOTES:

1. All underground 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.
2. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in MD 818.01, MD 818.02 MD 818.03 & MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. All proposed pavement markings (other than stoplines and crosswalks) are detailed on the Pavement Marking Plan (Sheet 3 of 3).
4. The Contractor shall remove all unused wiring.
5. Selective tree trimming may be necessary for signal pole installation.
6. Geometrics and detectable warning surfaces shall be done by others.

OVERHEAD UTILITY HEIGHTS

SHA No.: BW797M83

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

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

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APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV.	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
© 3-13-06 MODIFIED SIGNAL DUE TO GEOMETRIC IMPROVEMENTS	
RRZ	
© 2/2005 REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA WO-M0717585	
JK JA	

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 650 (NEW HAMPSHIRE AVE) AND OAKVIEW DRIVE

SCALE 1"= 20'	DATE 1/16/91	CONTRACT NO.	
DESIGNED BY R R ZACHERL		COUNTY MONTGOMERY	
DRAWN BY W J NIES		LOGMILE 15065000.61	
CHECKED BY		TIMS No: H300	
F.A.P. NO.			
DRAWING NO. 20F	- 1 OF 3	SHEET NO. OF	

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