MD 528 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

17,20 — LEFT TURN / YIELD / ON GREEN — R10-12 36"x 42"

18,21 — 45 TH Street — D3-2 VARIABLE X 16" (DUAL-FACED)

24,26 — Coastal HWY — D3-2 VARIABLE X 16" (DUAL-FACED)

23,25 — YIELD / TO PEDS — R9-1mod 48"x48"

19,22 — RIGHT LANE / BUSES AND RIGHT TURNS ONLY — R3-14(MOD) 30"X36"

PUSH BUTTON TO CROSS COASTAL HWY — 1. START CROSSING WATCH FOR TURNING CARS; 2. DON'T START FINISH CROSSING IF STARTED; 3. PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-4(1) 9" x 12"

PROPOSED SIGNALS

(BLACK-FACED)

1,4 — 12" R 8", 12" Y 8", 12" G 8"

2,5 — R, Y, G — 12"

3,6,8, 9,11,12 — R, Y, G — 12"

7,10 — R, Y, G — 8"

13-16 — 12"

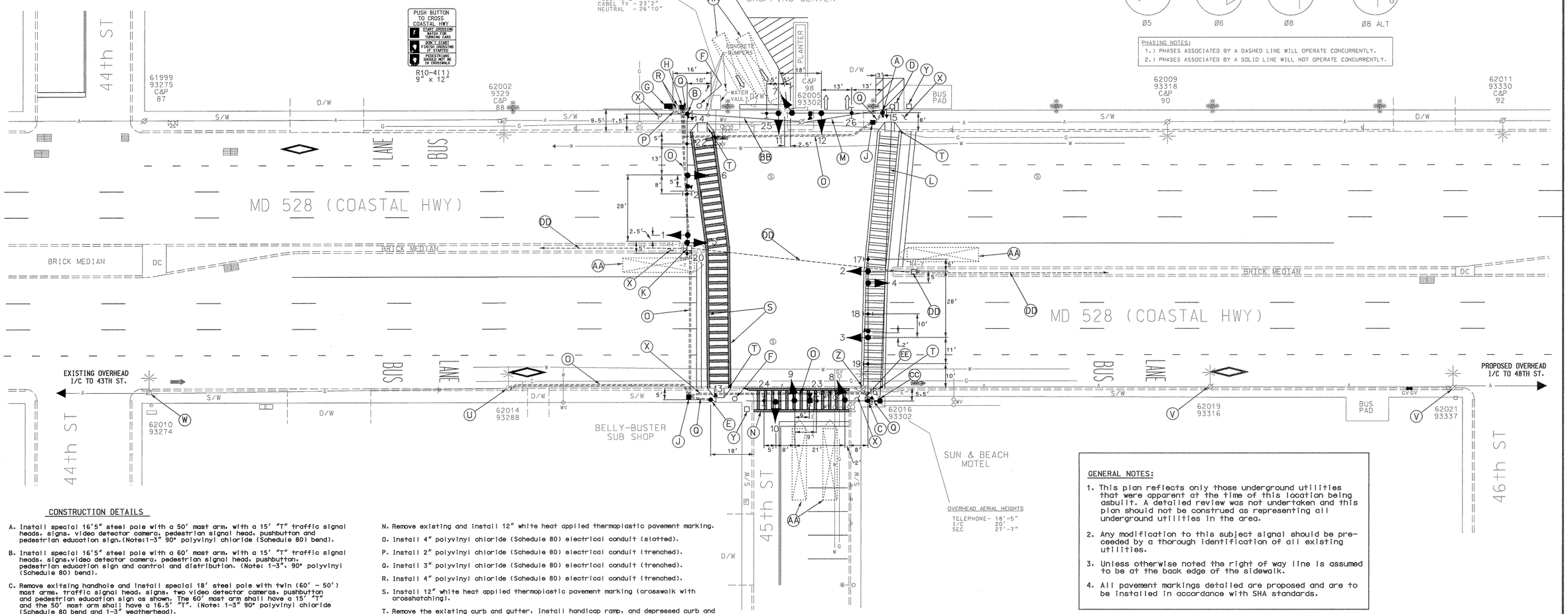
VIDEO DETECTOR CAMERA

NEMA PHASING

Ø1, Ø2, Ø4, Ø4 ALT, FLASHING OPERATION

Ø5, Ø6, Ø8, Ø8 ALT

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. Install special 16'5" steel pole with a 50' mast arm, with a 15' "T" traffic signal heads, signs, video detector camera, pedestrian signal head, pushbutton and pedestrian education sign.(Note:1-3" 90° polyvinyl chloride (Schedule 80) bend).

B. Install special 16'5" steel pole with a 60' mast arm, with a 15' "T" traffic signal heads, signs,video detector camera, pedestrian signal head, pushbutton, pedestrian education sign and control and distribution. (Note: 1-3", 90° polyvinyl (Schedule 80) bend).

C. Remove existing handhole and install special 18' steel pole with twin (60' - 50') mast arms, traffic signal heads, signs, two video detector cameras, pushbutton and pedestrian education sign as shown. The 60' mast arm shall have a 15' "T" and the 50' mast arm shall have a 16.5' "T". (Note: 1-3" 90° polyvinyl chloride (Schedule 80 bend and 1-3" weatherhead).

D. Remove existing pole and cabinet and all attached equipment. Remove the foundation 12" below grade.

E. Install 10' breakaway steel pole, pedestrain signal head, pushbutton and pedestrian education sign. (Note: 1-3" 90° PVC (Schedule 80) bend).

F. Remove existing signal structure with all attached equipment and the foundation 12" below grade.

G. Install eight-phase solid state digital controller and all necessary equipment housed in NEMA size "6" base-mounted cabinet. (Note: 2-2" and 2-4" 90° PVC (Schedule 80) bends).

H. Remove existing handhole and install new handhole in the same location.

J. Install handhole.

K. Use existing handhole, replace existing cover and frame.

L. Existing I/C cable to be disconnected from cabinet, pulled back and stored on pole # 62014-93288.

M. Remove existing overhead service.

N. Remove existing and install 12" white heat applied thermoplastic pavement marking.

O. Install 4" polyvinyl chloride (Schedule 80) electrical conduit (slotted).

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

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

R. Install 4" polyvinyl chloride (Schedule 80) electrical conduit (trenched).

S. Install 12" white heat applied thermoplastic pavement marking (crosswalk with crosshatching).

T. Remove the existing curb and gutter, install handicap ramp, and depressed curb and gutter. Replace the concrete sidewalk.

U. Install 3" weatherhead, bend and riser for the installation of the proposed overhead I/C cable- (I/C cable shall be stored and re-routed to the new cabinet.

V. Remove existing I/C cable and span wire. Install self-supporting interconnect cable at the existing location.

W. Existing self- supporting interconnect cable.

X. Remove and replace concrete sidewalk and/or median for the installation of signal equipment.

Y. Remove existing handhole. Cap and abandon existing conduit.

Z. Use existing wood pole,remove existing I/C cable and install new I/C cable.

AA. Proposed video detection area.

BB. Proposed overhead service (pole No. 62005-93302) by Conectiv power.

CC. Remove existing signal structure and all attached equipment. Remove foundation 48" below grade and install new handhole.

DD. Existing equipment to remain.

EE. Install overhead I/C cable.

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 this plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceeded by a thorough identification of all existing utilities.
3. Unless otherwise noted the right of way line is assumed to be at the back edge of the sidewalk.
4. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.

REVISION "B"

STREET TRAFFIC STUDIES, LTD.
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Glen Burnie,MD 21061
Ph (410) 590-5500
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4005A.dgn TASK-18

REVISIONS					
B	Reconstructed to mast arms				10/19/01
	SHA # XX1065185				
EMM					
A	Change Detection				9/29/82
BT	DJD	DAZ		ETP	TH

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 528 (COASTAL HIGHWAY) AND 45th ST.

DRAWN BY: B.THOMPSON	F.A.P. NO.		TS NO. 418B
CHECKED BY: D.DODA	S.H.A. NO.	W.0601A52/W.0501B52	SHEET NO. 1 OF 2
SCALE: 1"= 20'	COUNTY:	WORCESTER	T.I.M.S. NO. E721
DATE: 5-26-82	LOG MILE:	23052805.70	

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