NOTE: MD 45 US ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

SIGNS

28 — R3-5(L) (30" x 36")

24,30 — R10-11A (30" x 30") — NO TURN ON RED

25,26 — Chesapeake AVE — D3-2 (DUAL FACED) (16" x VAR.)

29,31 — York RD — D3-2 (DUAL FACED) (16" x VAR.)

32,33 — R6-1(R) (36" x 12") (INSTALLED BY OTHERS)

34,35 — R6-1(L) (36" x 12") (INSTALLED BY OTHERS)

23 — R3-2 30"x30"

27 — R3-1 30"x30"

SIGNALS

1,2,4-6 — 12"

3 — 12"

7-14 — 16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS YORK ROAD

R10-4(1) 9" x 12" — PUSH BUTTON TO CROSS CHESAPEAKE AVE

16,18 — 15,17 — YORK RD

19,22 — 20,21 — CHESAPEAKE AVE

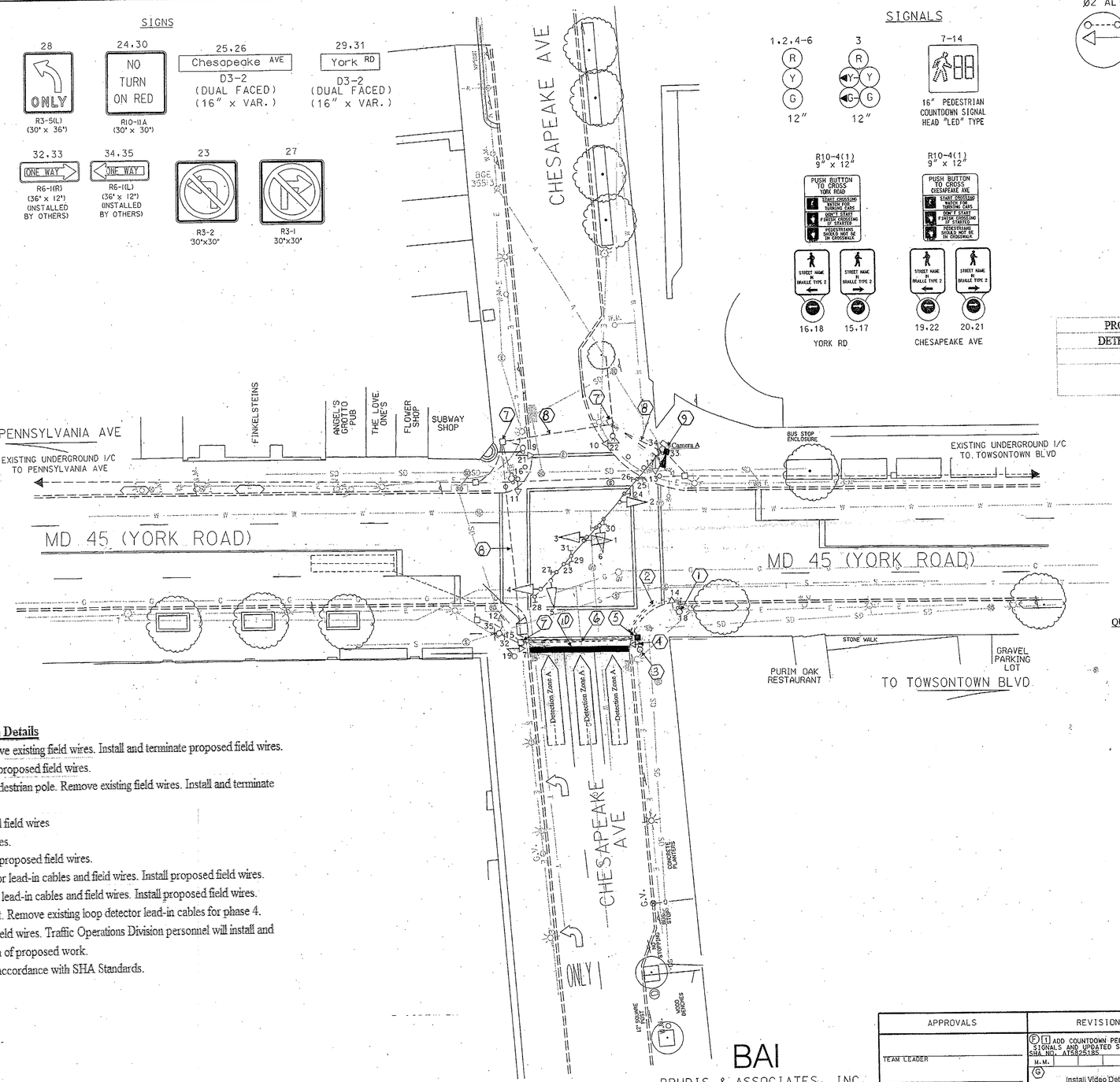
NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø6 Ø2 ALT Ø4 ALT Ø6 ALT

FLASHING OPERATION

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

PROPOSED VIDEO DETECTION CAMERA A



Construction Details

1. Use existing pedestrian signal and pushbutton. Remove existing field wires. Install and terminate proposed field wires.
2. Install proposed 2 inch pvc conduit (slotted). Install proposed field wires.
3. Install proposed 2 inch conduit bend into existing pedestrian pole. Remove existing field wires. Install and terminate proposed field wires.
4. Install proposed 2 inch pvc conduit. Install proposed field wires
5. Install proposed handhole. Install proposed field wires.
6. Install proposed 4 inch pvc conduit (slotted). Install proposed field wires.
7. Use existing handhole. Remove existing loop detector lead-in cables and field wires. Install proposed field wires.
8. Use existing conduit. Remove existing loop detector lead-in cables and field wires. Install proposed field wires.
9. Use existing mast arm, upright and controller cabinet. Remove existing loop detector lead-in cables for phase 4. Install proposed video detection lead-in cable and field wires. Traffic Operations Division personnel will install and program video interface equipment upon completion of proposed work.
10. Remove existing stop line and replace stop line in accordance with SHA Standards.

Equipment List 'A'

Equipment to be supplied and installed By the SHA

- Easylock Connector
- Terra Interface Panel
- Terra Access Point
- Tip to Tap I/F Cable-BIU
- Tip to Tap I/F Cable-Hardwire
- Terra Field Ethernet Adapter

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

QUANTITY		DESCRIPTION
1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
0.5	CY	CLASS 2 EXCAVATION
50	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS
50	LF	24 INCH WHITE PREFORMED THERMOPLASTICPAVEMENT MARKING LINES
10	SF	5 INCH CONCRETE SIDEWALK
1	EA	CONDUIT BEND IN EXISTING BASE
1	EA	F & I VIDEO DETECTION CAMERA W/ 3 WIRE
1	EA	REMOVE & DISPOSE OF EQUIPMENT
90	LF	UP TO '4 IN. SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
16	SF	REMOVE AND RESET DECORATIVE BRICK SIDEWALK
1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
340	LF	ELECTRICAL CABLE - 3 CONDUCTOR (NO.14 AWG)
340	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)

Equipment List 'C'

Removed and Salvaged Items

NONE

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

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

BY: $USERNAME$

BAI
BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 410-884-3609(FAX)

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

F 1	ADD COUNTDOWN PEDESTRIAN SIGNALS AND UPDATED SIGNAL AND APP. SHA NO. AT582518S. M.M.	5/3/06
G	Install Video Detection 3 Bid 23861T25061 TIMS K-571	June 2010

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 45 (YORK ROAD) AND CHESAPEAKE AVENUE

SCALE 11/20/98 DATE 11/20/98 CONTRACT NO. B-165-501-476

DESIGNED BY R. CICCHINI
DRAWN BY
CHECKED BY
F.A.P. NO.
COUNTY BALTIMORE
LOGMILE 03004501.94
T.I.M.S. NO.
TOD NO.

DRAWING NO. 1 OF 2 SHEET NO. OF