EXISTING SIGNALS & SIGNS

1.5.9.12 — R, Y, G, ⊘R, ⊘Y, ⊘G — 12"/8"

3.7.10.13 — R, Y, G, ⊘R, ⊘Y, ⊘G — 12"

4.8.11.14 — R, Y, G — 12"

15.20 — ONLY — R3-5(L) 36" x 42"

16 — EAST MARYLAND 176 — ASSOCIATED SHIELD ASSEMBLY SIGN 30" x 51"

17 — WEST MARYLAND 176 — ASSOCIATED SHIELD ASSEMBLY SIGN 48" x 75"

19a.19b.24a.24b — Dorsey Road — D3-2 (DUAL FACED) 18" x 108".

21 — WEST MARYLAND 176 — ASSOCIATED SHIELD ASSEMBLY SIGN 30" x 51"

22 — EAST MARYLAND 176 — ASSOCIATED SHIELD ASSEMBLY SIGN 48" x 75"

25 — SOUTH MARYLAND 170 — ASSOCIATED SHIELD ASSEMBLY SIGN 30" x 51"

26 — NORTH MARYLAND 170 — ASSOCIATED SHIELD ASSEMBLY SIGN 48" x 75"

29 — SOUTH MARYLAND 170 — ASSOCIATED SHIELD ASSEMBLY SIGN 48" x 75"

27.30 — LEFT TURN YIELD ON GREEN — R10-12 36" x 42"

28a — Telegraph Rd →

28b — ← Telegraph Rd

31a — Aviation Blvd →

31b — ← Aviation Blvd

D3-2 (DUAL FACED) 18" x 108".

EXISTING SIGNS TO BE REMOVED

32.33 — LEFT TURN YIELD ON GREEN — R10-12 36" x 42"

MD 170 RUNS IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNALS & SIGNS

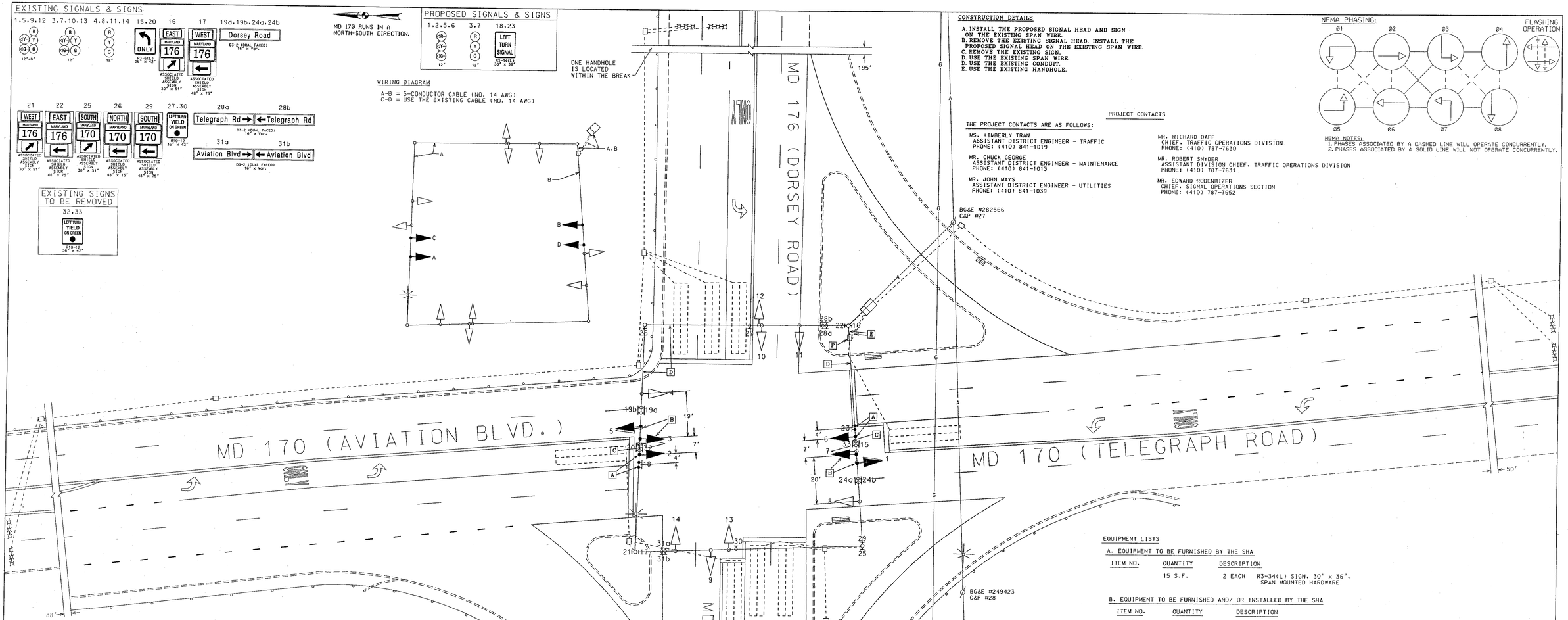
1.2.5.6 — ⊘R, ⊘Y, ⊘G — 12"

3.7 — R, Y, G — 12"

18.23 — LEFT TURN SIGNAL — R3-5(L) 36" x 36"

WIRING DIAGRAM

A-B = 5-CONDUCTOR CABLE (NO. 14 AWG)
C-D = USE THE EXISTING CABLE (NO. 14 AWG)



CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED SIGNAL HEAD AND SIGN ON THE EXISTING SPAN WIRE.
B. REMOVE THE EXISTING SIGNAL HEAD. INSTALL THE PROPOSED SIGNAL HEAD ON THE EXISTING SPAN WIRE.
C. REMOVE THE EXISTING SIGN.
D. USE THE EXISTING SPAN WIRE.
D. USE THE EXISTING CONDUIT.
E. USE THE EXISTING HANDHOLE.

NEMA PHASING:

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

PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 841-1019

MR. CHUCK GEORGE
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 841-1013

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (410) 841-1039

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	15 S.F.	2 EACH R3-34(L) SIGN, 30" x 36". SPAN MOUNTED HARDWARE

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	380 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR (NO. 14 AWG)
8002	15 S.F.	INSTALL OVERHEAD SIGN
8003	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8004	18 EACH	F & I 12" VECHICULAR BLACK FACED TRAFFIC SIGNAL HEAD SECTION

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE SHA.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	◄G-	◄G-	R	R	◄G-	◄G-	R	R	R	R	R	R	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6													
PHASE 1 & 6	◄G-	◄G-	G	G	◄R-	◄R-	R	R	R	R	R	R	R	R
1 CHANGE	◄Y-	◄Y-	G	G	◄R-	◄R-	R	R	R	R	R	R	R	R
PHASE 2 & 5	◄R-	◄R-	R	R	◄G-	◄G-	G	G	R	R	R	R	R	R
5 CHANGE	◄R-	◄R-	R	R	◄Y-	◄Y-	G	G	R	R	R	R	R	R
PHASE 2 & 6	◄R-	◄R-	G	G	◄R-	◄R-	G	G	R	R	R	R	R	R
2 & 6 CHANGE	◄R-	◄R-	Y	Y	◄R-	◄R-	Y	Y	R	R	R	R	R	R
PHASE 3 & 7	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G-R	◄G-R	R	◄G-R	◄G-R	R
3 & 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8, OR 4 & 7, OR 4 & 8													
PHASE 3 & 8	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	◄G-G	◄G-G	G
3 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	R	R	R	◄Y-G	◄Y-G	G
PHASE 4 & 7	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄G-G	◄G-G	G	R	R	R
7 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	◄Y-G	◄Y-G	G	R	R	R
PHASE 4 & 8	◄R-	◄R-	R	R	◄R-	◄R-	R	R	G	G	G	G	G	R
4 & 8 CHANGE	◄R-	◄R-	R	R	◄R-	◄R-	R	R	Y	Y	Y	Y	Y	R
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES
D — D	STORM DRAIN

REVISIONS

E. 02-25-1991 - AS BUILT

G.S.M.D.S.D. | D.A.S.

D. 11/1992 - INSTALL NEAR SIDE E/P L.T. SIGNALS

SHA NO.

M.A.R.S.M. | G.S.P. | S.H.

G. REPLACED FAILED LOOP DETECTORS

SHA NO. AW 903A52

S.P. | D.S. | R.D.

H. 07/2003 - REVISED N/B & S/B MD 170 L.T. FROM EXCLUSIVE/ PERMISSIVE TO AN EXCLUSIVE L.T.
SHA NO. SF-SIGNAL

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. MANAGER, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

NOTE: A REVISION TO AW-343-452-085 DATED 11-27-1972 ORIGINAL PLAN ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 170 (Aviation Boulevard/Telegraph Road) and MD 176 (Dorsey Road)

HANOVER, MARYLAND

DRAWN BY: J. Gordon	F.A.P. NO.	T.S. NO. TS-800 [H]	SHEET NO.
CHECKED BY: Alfred Bubnichuk	S.H.A. NO. AW-343-452-085		
SCALE: 1" = 20'	COUNTY ANNE ARUNDEL	T.I.M.S. NO. E997	1 OF 1
DATE: 11-27-1972	LOG MILE B2017005.43		