MD 2 IS CONSIDERED TO RUN IN AN EAST/WEST DIRECTION

EXISTING SIGNALS

1.2.5.6 3.4.7-14 15a.15b.16a.16b 17

Georgia Avenue

PROPOSED SIGNALS & SIGNS

1.2.5.6 3.4.7-14 18 19 20 21.22 23

NORTH MARYLAND 2 — ASSOCIATED ASSEMBLY SIGN 48" x 75"

SOUTH MARYLAND 2 — ASSOCIATED ASSEMBLY SIGN 30" x 51"

SOUTH MARYLAND 2 — ASSOCIATED ASSEMBLY SIGN 48" x 75"

R4-7 24" x 30"

NORTH MARYLAND 2 — ASSOCIATED ASSEMBLY SIGN 30" x 51"

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	71.2 S.F.	
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "NORTH. MARYLAND 2. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "SOUTH. MARYLAND 2. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "SOUTH. MARYLAND 198. (RIGHT ARROW)". 48" x 75". POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN. "NORTH. MARYLAND 2. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
	2 EACH	R4-7 SIGN. 24" x 30". POLE MOUNTED HARWARE

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
5003	225 L.F.	F & I 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	225 L.F.	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
8015	42 EACH	F & I 12" VECHICULAR TRAFFIC HEAD SECTION
8028	1 EACH	REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT
8029	4 EACH	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12" BELOW GRADE
8039	35 L.F.	F & I 1" GALVANIZED CONDUIT - DETECTOR SLEEVE
8050	71.2 S.F.	INSTALL GROUND MOUNTED SIGN
8059	310 L.F.	F & I ELECTRICAL CABLE - 2-CONDUCTOR (ALUMINUM SHIELDED)
8063	625 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)
8064	840 L.F.	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8065	220 L.F.	F & I SAWCUT FOR SIGNAL (LOOP DETECTOR)
NEG.	45 L.F.	F & I WOOD SIGN SUPPORTS - 4" x 6"

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 CONTRACTOR

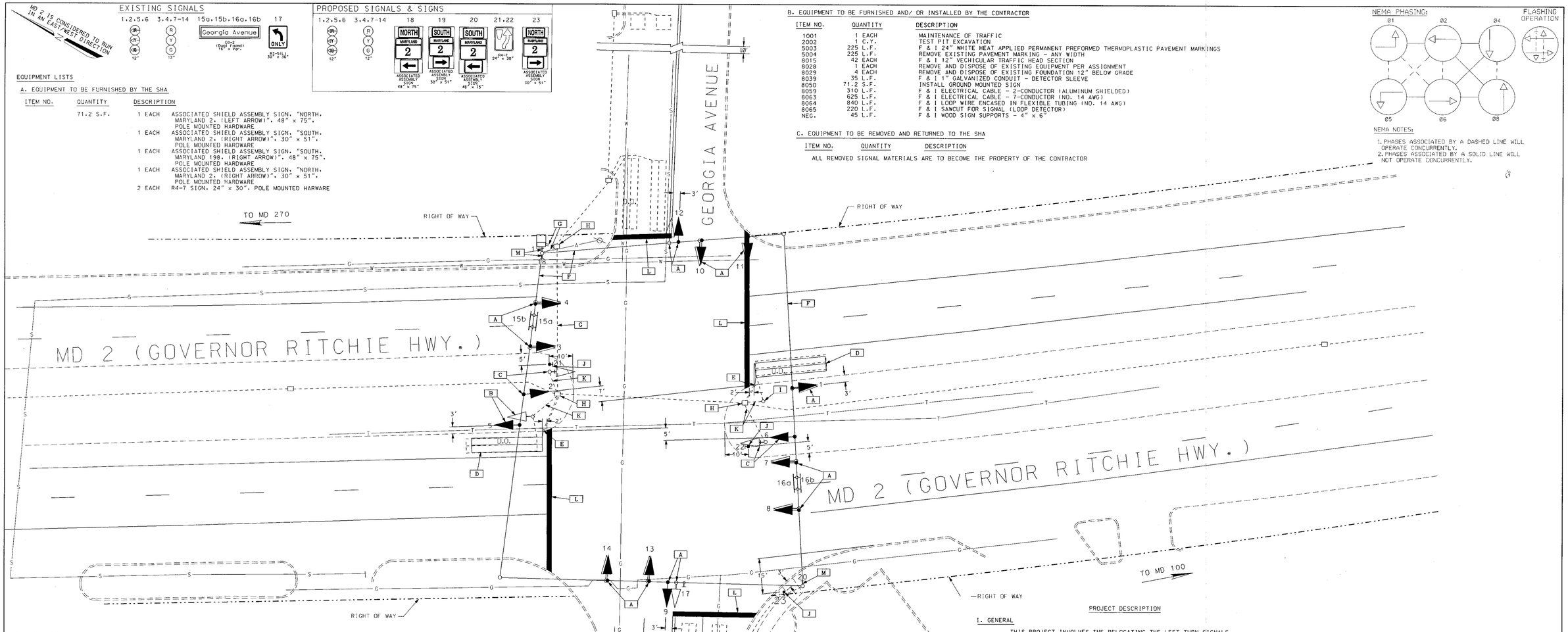
NEMA PHASING:

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

FLASHING OPERATION

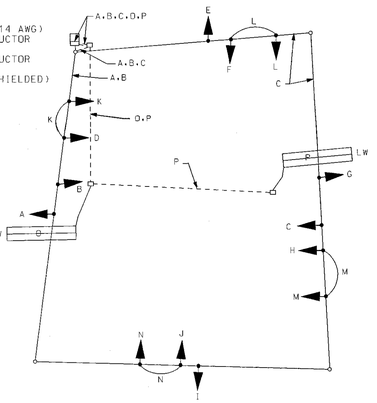
NEMA NOTES:

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



WIRING DIAGRAM

A-C = 7-CONDUCTOR CABLE (NO. 14 AWG)
D-J = USE THE EXISTING 7-CONDUCTOR CABLE (NO. 14 AWG)
K-N = USE THE EXISTING 5-CONDUCTOR CABLE (NO. 14 AWG)
O-P = 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
LW = LOOP WIRE



UTILITY LEGEND

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

GENERAL NOTES:

1. "D.O." INDICATES A DELAY OUTPUT LOOP DETECTOR.
2. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY PAVEMENT MARKINGS.
3. ALL UNDERGROUND, AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC. AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. REVISION "F" IS A MODIFICATION TO WORK COMPLETED UNDER A CONTRACT DATED OCTOBER 22, 1973.
5. THE ORIGINAL TS-663 IS ON FILE.

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE RELOCATING THE LEFT TURN SIGNALS FROM THE MEDIAN TO THE SPAN WIRE.
MD 2 RUNS IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX (6) PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE LEFT TURNS FOR BOTH EASTBOUND AND WESTBOUND MD 2. MD 2 THROUGH MOVEMENTS WILL RUN CONCURRENTLY. THE GEORGIA AVENUE MOVEMENTS WILL OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED SIGNAL HEAD ON THE EXISTING SPAN WIRE. REMOVE THE EXISTING SIGNAL HEAD.
B. INSTALL THE PROPOSED SIGNAL HEAD ON THE EXISTING SPAN WIRE. REMOVE THE EXISTING SIGNAL HEAD, THE EXISTING PEDESTAL POLE AND BASE, AND THE EXISTING FOUNDATION 12" BELOW GRADE.
C. INSTALL THE PROPOSED SIGNAL HEAD ON THE EXISTING SPAN WIRE. REMOVE THE EXISTING SIGNAL HEAD, THE EXISTING PEDESTAL POLE AND BASE, THE EXISTING SIGN, AND THE EXISTING FOUNDATION 12" BELOW GRADE.
D. INSTALL THE PROPOSED 6' x 30' LOOP DETECTOR - QUADRUPOLE - (3-6-3 TURNS).
E. INSTALL THE PROPOSED 1" PVC ELECTRICAL CONDUIT - GALVANIZED SLEEVE.
F. USE THE EXISTING SPAN WIRE.
G. USE THE EXISTING CONDUIT.
H. USE THE EXISTING HANDHOLE.
I. REMOVE THE EXISTING PEDESTAL POLE AND BASE, AND FOUNDATION 12" BELOW GRADE.
J. INSTALL THE PROPOSED GROUND MOUNTED SIGN.
K. CAP AND ABANDON THE EXISTING CONDUIT.
L. INSTALL THE PROPOSED 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
M. INSTALL THE PROPOSED SIGN ON THE EXISTING SPAN WIRE POLE.

REVISIONS	APPROVALS
F. 07/2001 - AS BUILT: RELOCATE LEFT TURN SIGNALS FROM MEDIAN TO OVERHEAD SPANS SHA NO. DT-2000 BM	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
E. 04/1996 - REPLACED FAILED DETECTORS SHA NO. RJS	ASSIST CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
D. 08/26/1982 - AS BUILT: FAP NO. T-8005(12) SHA NO. AA-887-2-585 RJ BJ	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

THIS IS A REVISION TO AN EXISTING SIGNAL DATED 10-22-73 ORIGINAL MAY BE ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 and Georgia Avenue
GLEN BURNIE, MARYLAND

DRAWN BY: J.G. W.R. & B.J.	F.A.P. NO.	T.S. NO. TS-663 [F]	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. E699	1 OF 1
DATE: 10/ 22/ 1973	LOG MILE IG815024		

02000236.66

Folder 3