F.H.WA. REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.			

EXISTING SIGNALS & SIGNS

1,2,5,6 — R, Y, G — 12"

3,4,7,8,9-12 — R, Y, G — 12"

13a,14b — ← Pasadena Rd. / W. Pasadena Rd. → — D3-2 96" x 32"

13b,14a — ← W. Pasadena Rd. / Pasadena Rd. → — D3-2 96" x 32"

15 — R3-6 36" x 42"

16 — ONLY — R3-5 36" x 42"

17,18 — Y — 12"

20 — W3-3 48" x 48"

PROPOSED SIGNALS & SIGN

19 — RED SIGNAL AHEAD — L.E.D. Sign 60" x 60"

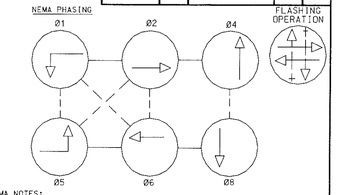
22 — W3-3 48" x 48"

PROJECT DESCRIPTION

I. GENERAL
THIS PROJECT INVOLVES REPLACEMENT OF THE W3-3 SIGN WITH A "RED SIGNAL AHEAD" L.E.D. SIGN AT THE EXISTING HAZARD IDENTIFCATION BEACON FOR NORTHBOUND MD 2.

MD 2 RUNS IN A NORTH-SOUTH DIRECTION.

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.

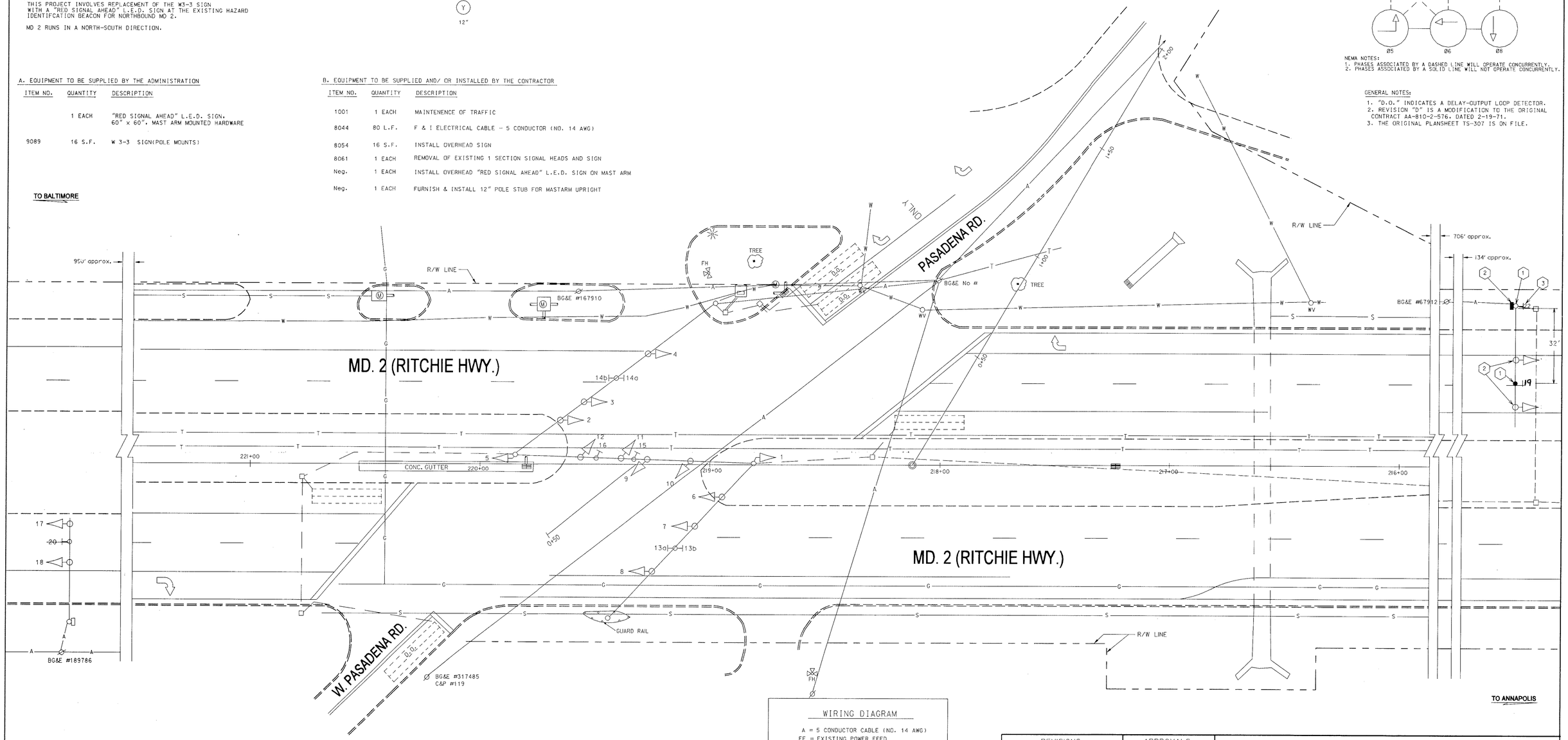
GENERAL NOTES:
1. "D.O." INDICATES A DELAY-OUTPUT LOOP DETECTOR.
2. REVISION "D" IS A MODIFICATION TO THE ORIGINAL CONTRACT AA-810-2-576, DATED 2-19-71.
3. THE ORIGINAL PLANSHEET TS-307 IS ON FILE.

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	1 EACH	"RED SIGNAL AHEAD" L.E.D. SIGN, 60" x 60", MAST ARM MOUNTED HARDWARE
9089	16 S.F.	W 3-3 SIGN(POLE MOUNTS)

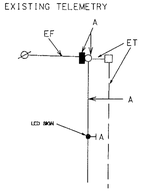
B. EQUIPMENT TO BE SUPPLIED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENENCE OF TRAFFIC
8044	80 L.F.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8054	16 S.F.	INSTALL OVERHEAD SIGN
8061	1 EACH	REMOVAL OF EXISTING 1 SECTION SIGNAL HEADS AND SIGN
Neg.	1 EACH	INSTALL OVERHEAD "RED SIGNAL AHEAD" L.E.D. SIGN ON MAST ARM
Neg.	1 EACH	FURNISH & INSTALL 12" POLE STUB FOR MASTARM UPRIGHT



WIRING DIAGRAM

A = 5 CONDUCTOR CABLE (NO. 14 AWG)
EF = EXISTING POWER FEED
ET = EXISTING TELEMETRY



CONSTRUCTION DETAILS

1. INSTALL 60" X 60" 'RED SIGNAL AHEAD' L.E.D. SIGN AS SHOWN.
   (NOTE: INSTALL 12" POLE STUB TO RAISE HEIGHT OF MAST ARM - SEE ATTACHMENT)
   USE EXISTING TELEMETRY CABLE TO CONNECT SIGN TO CABINET AT INTERSECTION.
2. REMOVE EXISTING W 3-3 SIGN, 1-SECTION SIGNAL HEADS AND CABINET.
3. INSTALL W 3-3 SIGN ON MAST ARM UPRIGHT.

UTILITY LEGEND

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

REVISIONS

E 8/98 - INSTALL 'RED SIGNAL AHEAD' L.E.D. H.I.B. FOR N/B MD. 2			GRK
D 12/96 - AS BUILT; REBUILD EXISTING H.I.B. FOR N/B MD. 2 S.H.A. NO.			
DJD	DAZ		
C 08/87 - RECONSTRUCTION S.H.A. NO. AA-572-510-570			
DCD	DAZ	MWU	ETP

APPROVALS

ASST. DIVISION CHIEF, TEDD

ORIGINAL

ASST. DISTRICT ENGINEER, TRAFFIC

FILE

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 (RITCHIE HWY) & PASADENA RD./W. PASADENA RD.

SIGNAL # 02000232J3 — DATE: 2-19-71

DRAWN BY: L. TOWNSEND	F.A.P. NO. T8005(2)	PLAN SHEET NO.	SHEET NO.
DES. BY: L. TOWNSEND	S.H.A. NO. AA-810-2-576	TS-307 (E)	1 OF 1
CHK. BY: W.F. FITCH	COUNTY: ANNE ARUNDEL		
SCALE: 1" = 20'			