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"

17-20 — Y — 12"

21-22 — W3r3 48" x 48"

PROPOSED SIGNALS & SIGN

17-18 — Y — 12"

21 — W3-3 48" x 48"

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REMOVAL, AND THE RECONSTRUCTION OF THE EXISTING HAZARD IDENTIFCATION BEACON FOR NORTHBOUND MD 2 DUE TO DAMAGE TO THE ORIGINAL.

MD 2 RUNS IN A NORTH-SOUTH DIRECTION.

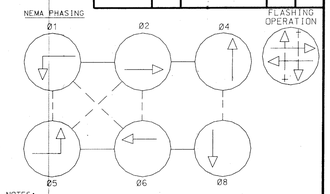
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	2 EACH	12" ONE WAY, ONE SECTION SIGNAL HEAD. MAST ARM MOUNTED HARDWARE
	16 S.F.	1 EACH W3-3 "SIGNAL AHEAD" SIGN. 48" x 48". MAST ARM MOUNTED HARDWARE
	1 EACH	TWO- CIRCUIT FLASHER PANEL WITH INTERSECTION MONITOR IN A POLE MOUNTED "G" CABINET W/ BATTERY BACKUP

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

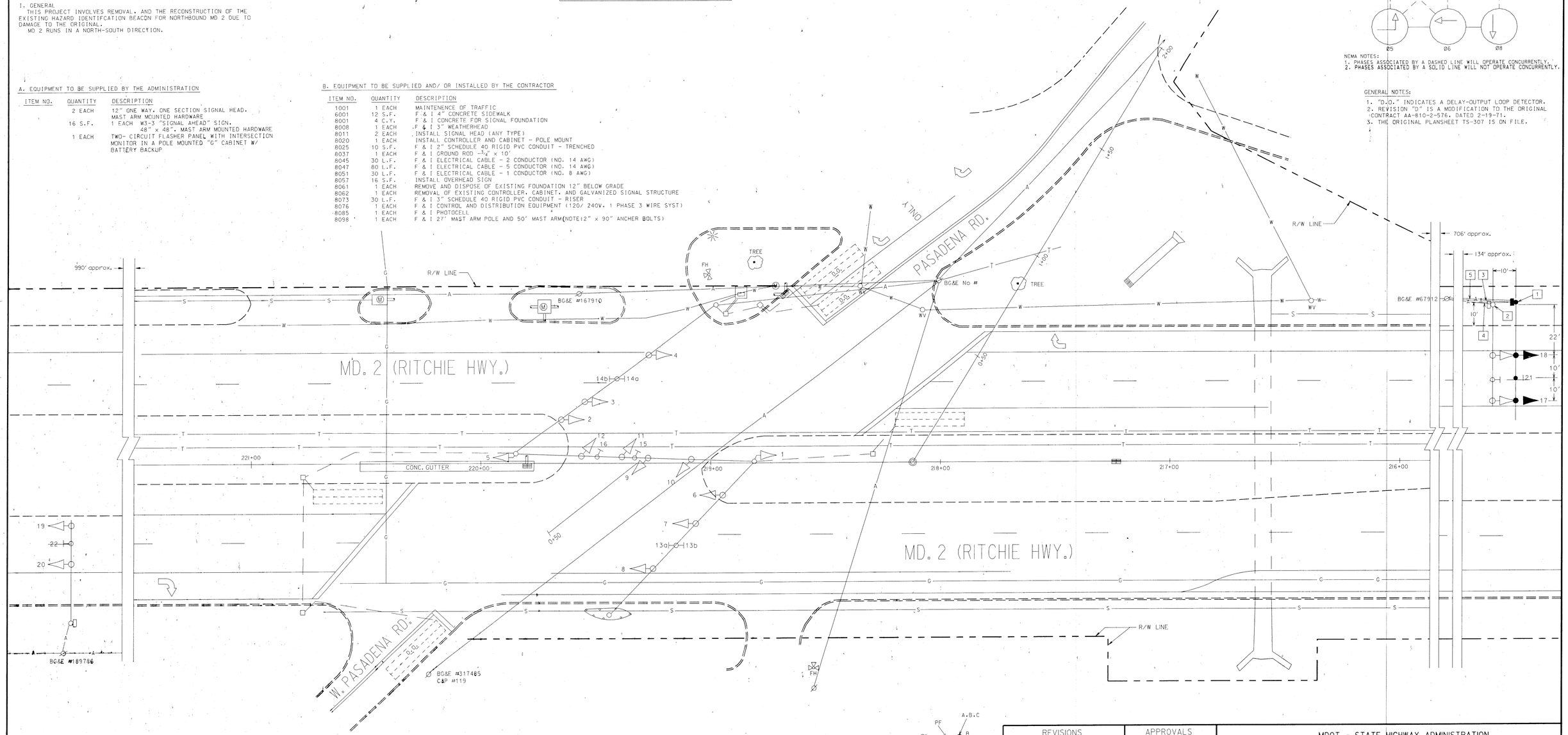
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENENCE OF TRAFFIC
6001	12 S.F.	F & I 4" CONCRETE SIDEWALK
8001	4 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8008	1 EACH	F & I 3" WEATHERHEAD
8011	2 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8020	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
8025	10 S.F.	F & I 2" SCHEDULE 40 RIGID PVC CONDUIT - TRENCHED
8037	1 EACH	F & I GROUND ROD -¾" x 10'
8045	30 L.F.	F & I ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8047	80 L.F.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8051	30 L.F.	F & I ELECTRICAL CABLE - 1 CONDUCTOR (NO. 8 AWG)
8057	16 S.F.	INSTALL OVERHEAD SIGN
8061	1 EACH	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12" BELOW GRADE
8062	1 EACH	REMOVAL OF EXISTING CONTROLLER, CABINET, AND GALVANIZED SIGNAL STRUCTURE
8073	30 L.F.	F & I 3" SCHEDULE 40 RIGID PVC CONDUIT - RISER
8076	1 EACH	F & I CONTROL AND DISTRIBUTION EQUIPMENT (120/ 240V, 1 PHASE 3 WIRE SYST)
8085	1 EACH	F & I PHOTOCELL
8098	1 EACH	F & I 27' MAST ARM POLE AND 50' MAST ARM(NOTE:2" x 90" ANCHER BOLTS)

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.

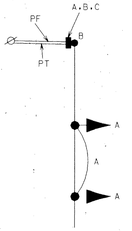


CONSTRUCTION DETAILS

1. INSTALL 27' MAST ARM POLE WITH SINGLE 50' MAST ARM. TWO (2) SIGNAL HEADS. W3-3 SIGN. 2" PVC SCHEDULE 40 BEND. TWO-CIRCUIT FLASHER HOUSED IN A POLE MOUNTED "G" SIZE CABINET. 3" WEATHERHEAD. 3" SCHEDULE 40 PVC RISER. CONCRETE FOUNDATION. GROUT. GROUND ROD. METER SOCKET. DISCONNECT SWITCH. PHOTOCELL. AND 3' x 4' CONCRETE PAD.
2. REMOVE EXISTING MAST ARM POLE AND ALL ATTACHED EQUIPMENT. REMOVE AND DISPOSE OF EXISTING FOUNDATION 12" BELOW GRADE.
3. PROPOSED SERVICE FEED BY B.G.& E.
4. EXISTING SERVICE FEED BY B.G.& E.
5. PROPOSED TELEPHONE DROP BY C&P.

WIRING DIAGRAM

A = 5 CONDUCTOR CABLE (NO. 14 AWG)
B = 2 CONDUCTOR CABLE (NO. 14 AWG)
C = 1 CONDUCTOR CABLE (NO. 8 AWG)
- 3 TIMES - FOR SERVICE
PF = PROPOSED FEED
PT = PROPOSED TELEPHONE DROP



UTILITY LEGEND

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

REVISIONS

D. 12/96 - AS BUILT; REBUILD EXISTING H.I.B. FOR N/B MD. 2 S.H.A. NO.
C. 08/87 - RECONSTRUCTION
S.H.A. NO. AA-572-510-570

DCD	DAZ	MWU	ETP	TH

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 # 020002321J3

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 D	1 OF 1
CHK. BY: W.F. FITCH	COUNTY: ANNE ARUNDEL		
SCALE: 1" = 20'			

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