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

EXISTING SIGNALS & SIGNS

2,3,6,7,10,11 — 12" R Y G

4 — 12" R 8", Y 8", G 8"

5 — 12" R 8", Y 8", G 8"

8,9 — 12" R Y G

12 — Plum Point Rd. D3-2 16" x 96"

17 — Plum Point Rd. D3-2 16" x 96"

15,16 — LEFT TURN YIELD ON GREEN, R 10-12 36"X42"

22 — RED SIGNAL AHEAD, L.E.D. SIGN 5' x 7'

23 — W 3-3 48" x 48"

18 — 263, Plum Point Rd. NEXT SIGNAL

19,20,26 — W 3-3 36" x 36"

21 — MD. 263 Plum Pt. Rd. NEXT SIGNAL

24 — EAST, MARYLAND, 263, Plum Point Rd.

25 — Solomons Island Rd.

PROPOSED SIGNALS & SIGNS

1 — 12" R 8", Y 8", G 8"

2 — 12" R, Y, G

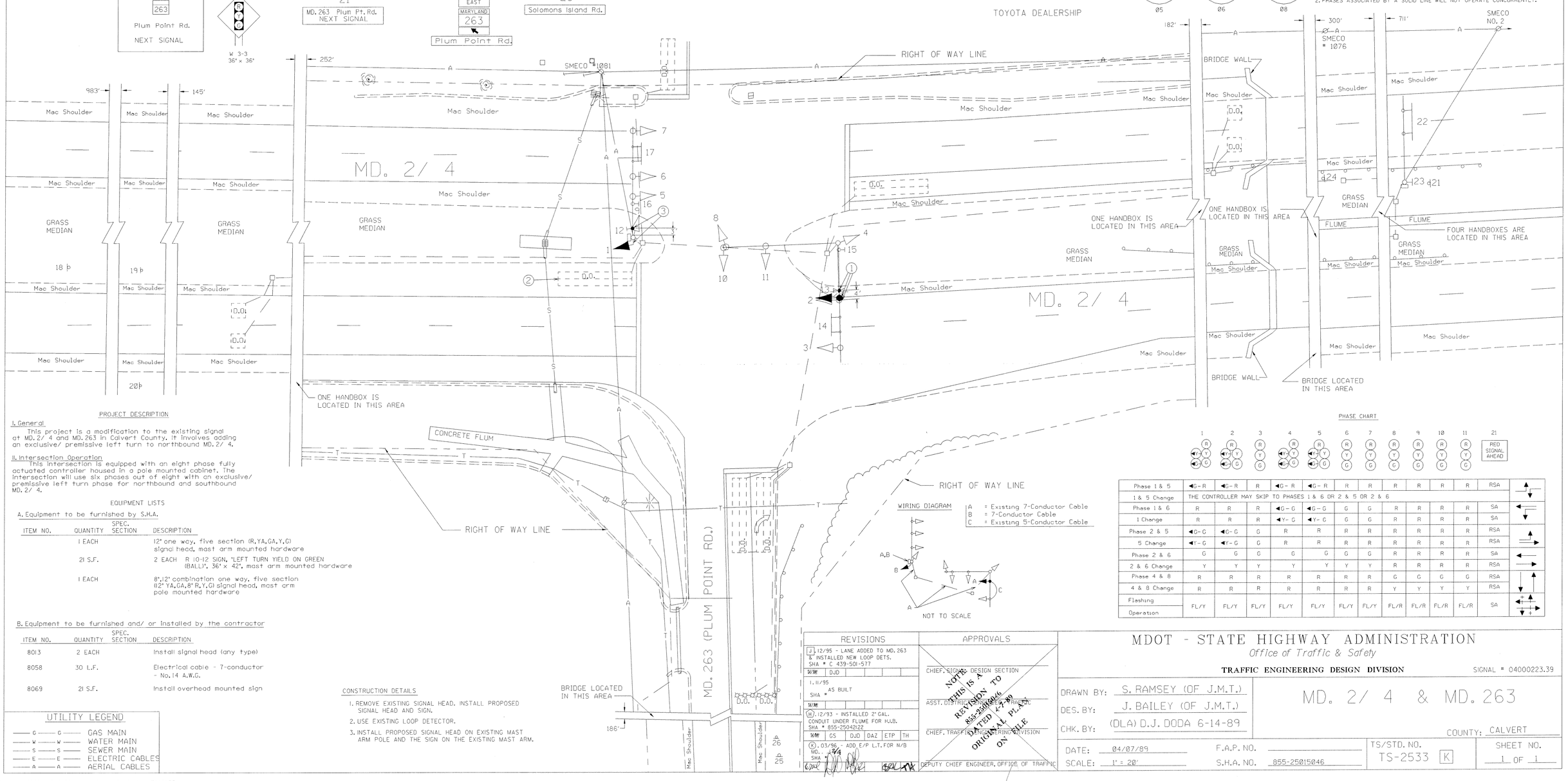
12,13 — LEFT TURN YIELD ON GREEN, R 10-12 36"X42"

GENERAL NOTES:
1). D.O. DENOTES DELAY OUTPUT LOOP DETECTOR.
2). REVISION 'K' IS A MODIFICATION TO WORK COMPLETED UNDER CONTRACT NO. 855-25015046, DATED 4-7-89.
3). THE ORIGINAL TS-2533 IS ON FILE.
4). MD. 2/ 4 RUNS IN A NORTH-SOUTH DIRECTION.

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.



PROJECT DESCRIPTION

I. General

This project is a modification to the existing signal at MD. 2/ 4 and MD. 263 in Calvert County. It involves adding an exclusive/ premissive left turn to northbound MD. 2/ 4.

II. Intersection Operation

This intersection is equipped with an eight phase fully actuated controller housed in a pole mounted cabinet. The intersection will use six phases out of eight with an exclusive/ premissive left turn phase for northbound and southbound MD. 2/ 4.

EQUIPMENT LISTS

A. Equipment to be furnished by S.H.A.

ITEM NO.	QUANTITY	SPEC. SECTION	DESCRIPTION
	1 EACH		12" one way, five section (R,YA,GA,Y,G) signal head, mast arm mounted hardware
	21 S.F.		2 EACH R 10-12 SIGN, "LEFT TURN YIELD ON GREEN (BALL)", 36" x 42", mast arm mounted hardware
	1 EACH		8",12" combination one way, five section (12" YA,GA,8" R,Y,G) signal head, mast arm pole mounted hardware

B. Equipment to be furnished and/ or installed by the contractor

ITEM NO.	QUANTITY	SPEC. SECTION	DESCRIPTION
8013	2 EACH		Install signal head (any type)
8058	30 L.F.		Electrical cable - 7-conductor - No.14 A.W.G.
8069	21 S.F.		Install overhead mounted sign

UTILITY LEGEND

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

CONSTRUCTION DETAILS

1. REMOVE EXISTING SIGNAL HEAD. INSTALL PROPOSED SIGNAL HEAD AND SIGN.
2. USE EXISTING LOOP DETECTOR.
3. INSTALL PROPOSED SIGNAL HEAD ON EXISTING MAST ARM POLE AND THE SIGN ON THE EXISTING MAST ARM.

WIRING DIAGRAM

A = Existing 7-Conductor Cable
B = 7-Conductor Cable
C = Existing 5-Conductor Cable

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	21	
Phase 1 & 5	◀G-R	◀G-R	R	◀G-R	◀G-R	R	R	R	R	R	R	RSA	
1 & 5 Change	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6												
Phase 1 & 6	R	R	R	◀G-G	◀G-G	G	G	R	R	R	R	SA	
1 Change	R	R	R	◀Y-G	◀Y-G	G	G	R	R	R	R	SA	
Phase 2 & 5	◀G-G	◀G-G	G	R	R	R	R	R	R	R	R	RSA	
5 Change	◀Y-G	◀Y-G	G	R	R	R	R	R	R	R	R	RSA	
Phase 2 & 6	G	G	G	G	G	G	G	R	R	R	R	SA	
2 & 6 Change	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	RSA	
Phase 4 & 8	R	R	R	R	R	R	R	G	G	G	G	RSA	
4 & 8 Change	R	R	R	R	R	R	R	Y	Y	Y	Y	RSA	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	SA	

REVISIONS

J. 12/95 - LANE ADDED TO MD. 263 & INSTALLED NEW LOOP DETS. SHA # C 439-501-577					
WM	DJD				
I. 11/95 SHA # AS BUILT					
WM					
H). 12/93 - INSTALLED 2" GAL. CONDUIT UNDER FLUME FOR H.B. SHA # 855-25042122					
WM	GS	DJD	DAZ	ETP	TH
K). 03/96 - ADD E/P L.T. FOR N/B MD. SHA # 474					

APPROVALS

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DIVISION

DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

NOTE: THIS IS A REVISION TO 855-25015046 DATED 4-7-89 ORIGINAL PLANS ON FILE

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL # 04000223.39

DRAWN BY: S. RAMSEY (OF J.M.T.)
DES. BY: J. BAILEY (OF J.M.T.)
CHK. BY: (DLA) D.J. DODA 6-14-89

MD. 2/ 4 & MD. 263

COUNTY: CALVERT

DATE: 04/07/89
SCALE: 1" = 20'

F.A.P. NO.
S.H.A. NO. 855-25015046

TS/STD. NO. TS-2533 [K]

SHEET NO. 1 OF 1

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