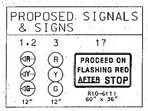
EXISTING SIGNALS & SIGNS

MD 450 RUNS IN A EAST-WEST DIRECTION.

PROPOSED SIGNALS & SIGNS



CONSTRUCTION DETAILS

A. REMOVE THE EXISTING SIGNAL HEAD, AND SIGN. INSTALL THE PROPOSED SIGNAL HEAD.
B. REMOVE THE EXISTING SIGNAL HEAD, AND SIGN. INSTALL THE PROPOSED SIGNAL HEADS, AND SIGN.
C. USE THE EXISTING CONDUIT.
D. USE THE EXISTING HANDHOLE.

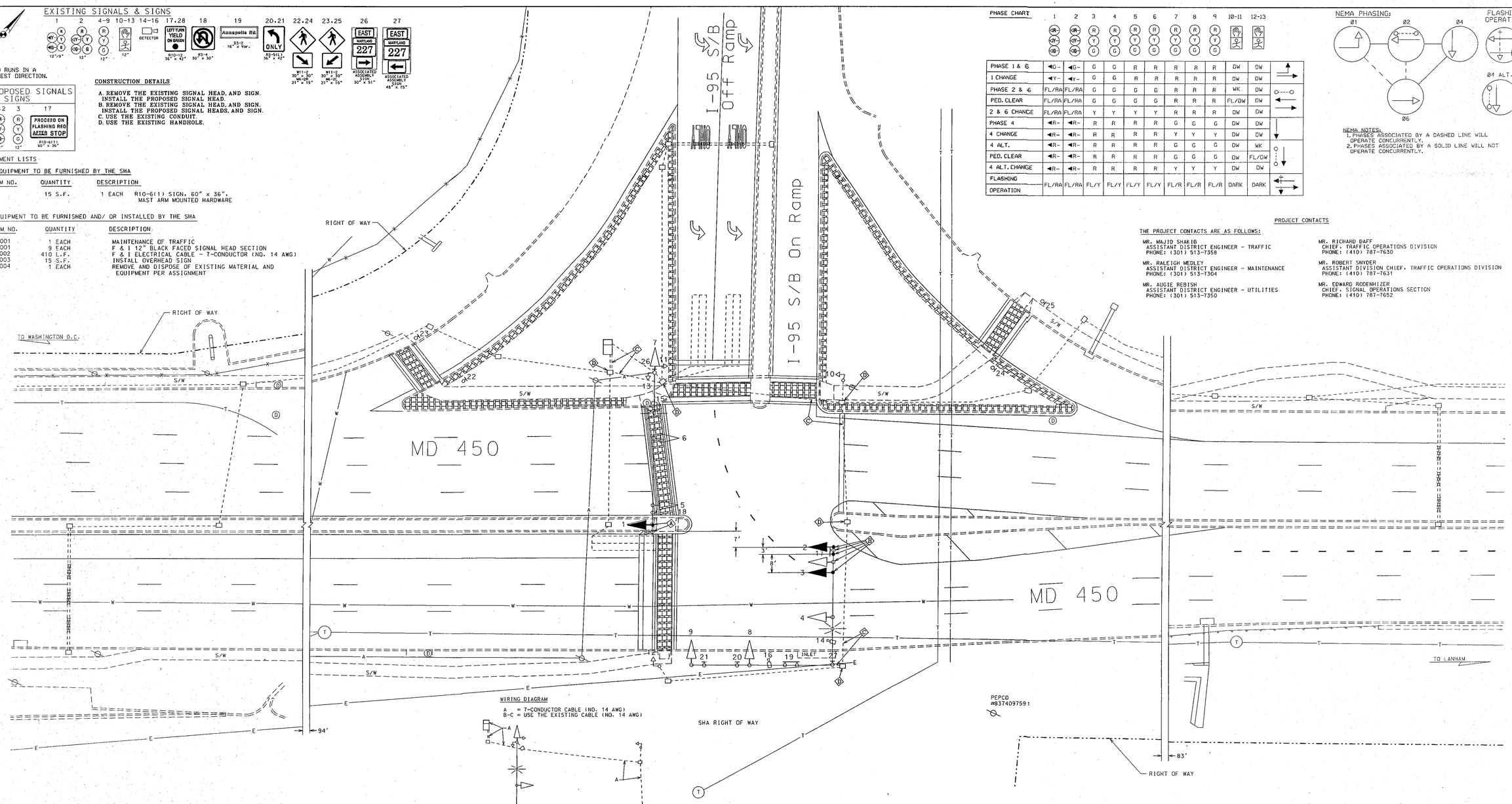
EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	15 S.F.	1 EACH R10-6(1) SIGN, 60" x 36", MAST ARM MOUNTED HARDWARE

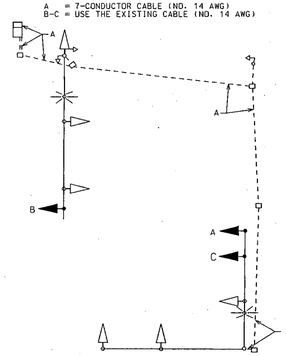
B. EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	9 EACH	F & I 12" BLACK FACED SIGNAL HEAD SECTION
8002	410 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)
8003	15 S.F.	INSTALL OVERHEAD SIGN
8004	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT



WIRING DIAGRAM

A = 7-CONDUCTOR CABLE (NO. 14 AWG)
B-C = USE THE EXISTING CABLE (NO. 14 AWG)



PHASE CHART

	1	2	3	4	5	6	7	8	9	10-11	12-13
PHASE 1 & 5	◄G-	◄G-	G	G	R	R	R	R	R	DW	DW
1 CHANGE	◄Y-	◄Y-	G	G	R	R	R	R	R	DW	DW
PHASE 2 & 6	FL/RA	FL/RA	G	G	G	G	R	R	R	WK	DW
PED. CLEAR	FL/RA	FL/RA	G	G	G	G	R	R	R	FL/DW	DW
2 & 6 CHANGE	FL/RA	FL/RA	Y	Y	Y	Y	R	R	R	DW	DW
PHASE 4	◄R-	◄R-	R	R	R	R	G	G	G	DW	DW
4 CHANGE	◄R-	◄R-	R	R	R	R	Y	Y	Y	DW	DW
4 ALT.	◄R-	◄R-	R	R	R	R	G	G	G	DW	WK
PED. CLEAR	◄R-	◄R-	R	R	R	R	G	G	G	DW	FL/DW
4 ALT. CHANGE	◄R-	◄R-	R	R	R	R	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK

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:

MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 513-7350

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

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

D. 10/2001 - ADD PED SIGNALS WEST LEG; REPLACE SIGNAL HEADS WITH BLACK FACE; RECUT LOOPS WITH NEW GEOMETRIC.
SHA NO. PG3265184
R.E.A. W.H. M.A.R. D.A.J. B.A.K. J.K.

C. 01/1995 - MODIFY SIGNAL EQUIPMENT DUE TO CONSTRUCTION OF I-95 SB OFF RAMP 'A'
SHA NO. P 123-501-377
R.W.K. D.B. D.A.J. B.R.K. J.K.

B. 11/6/1992 - BW1A2.4,B15: REDESIGN DUE TO CONSTRUCTION OF RAMP 'N' & 'R'
SHA NO.
J.M.J. M.A.R. D.A.J. J.K.

E. 02/2003 - MODIFY E/B MD 450 SIGNAL HEADS FROM E/P TO FLASHING LEFT TURN RED ARROW
SHA NO. SE-SIGNAL

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASSISTANT DIVISION ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

REVISION TO ORIGINAL PLAN ON FILE
NO. 420-000-385
DATED 08-15-19

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

MD 450 and I-95 Southbound Ramp
NEW CARROLLTON, MARYLAND

DRAWN BY:	F.A.P. NO. U-931-1(2)	T.S. NO. TS-953 E	SHEET NO.
CHECKED BY:	S.H.A. NO. 420-000-385		
SCALE: 1" = 20'	COUNTY PRINCE GEORGE'S	T.I.M.S. NO. F704	1 OF 1
DATE: 06/15/1973	LOG MILE 16045004.57		