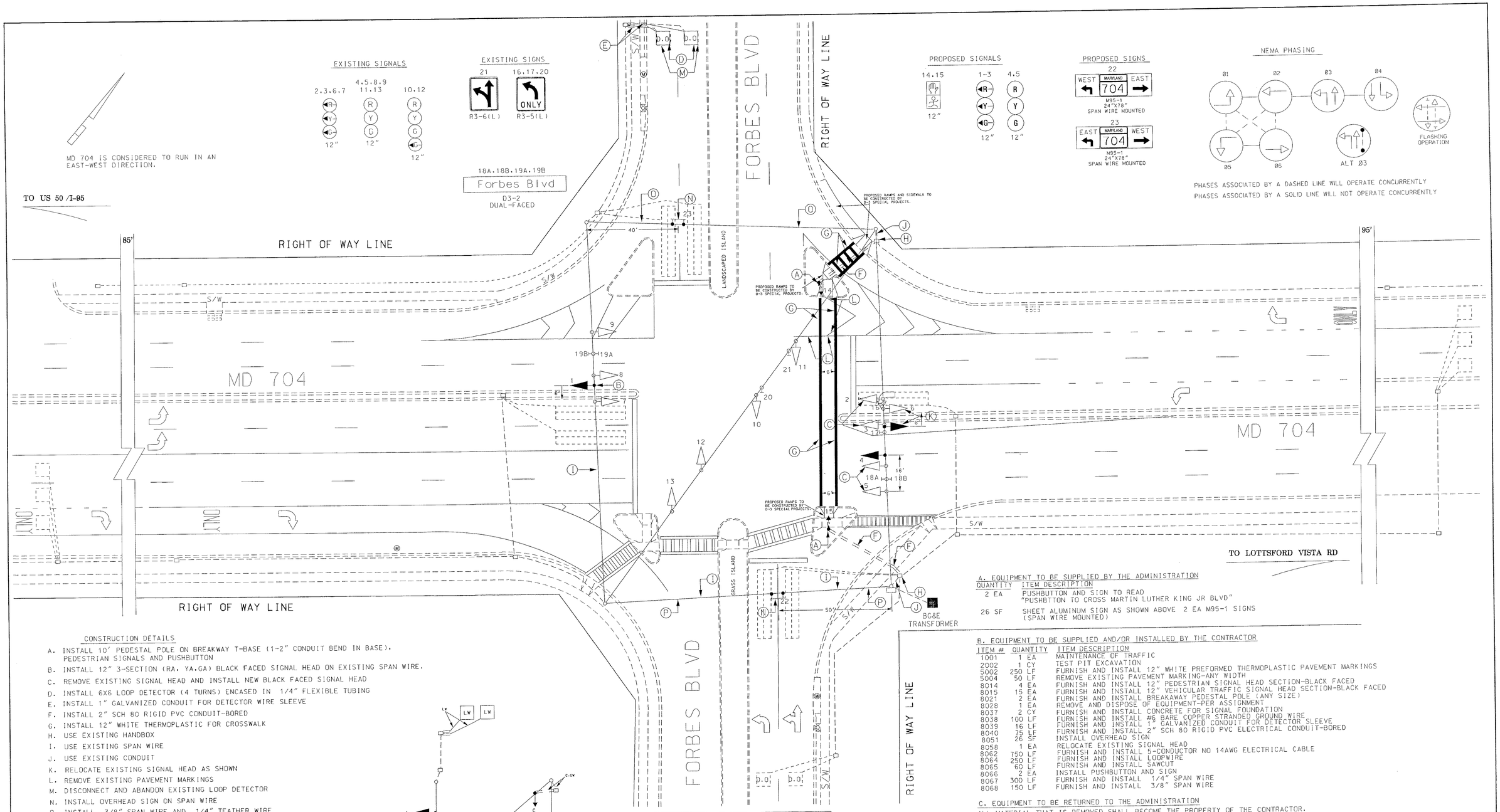


A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION
2 EA	PUSHBUTTON AND SIGN TO READ "PUSHBTTON TO CROSS MARTIN LUTHER KING JR BLVD"
26 SF	SHEET ALUMINUM SIGN AS SHOWN ABOVE 2 EA M95-1 SIGNS (SPAN WIRE MOUNTED)

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
5002	250 LF	FURNISH AND INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	50 LF	REMOVE EXISTING PAVEMENT MARKING-ANY WIDTH
8014	4 EA	FURNISH AND INSTALL 12" PEDESTRIAN SIGNAL HEAD SECTION-BLACK FACED
8015	15 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION-BLACK FACED
8021	2 EA	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE (ANY SIZE)
8028	1 EA	REMOVE AND DISPOSE OF EQUIPMENT-PER ASSIGNMENT
8037	2 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8038	100 LF	FURNISH AND INSTALL #6 BARE COPPER STRANDED GROUND WIRE
8039	16 LF	FURNISH AND INSTALL 1" GALVANIZED CONDUIT FOR DETECTOR SLEEVE
8040	75 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT-BORED
8051	26 SF	INSTALL OVERHEAD SIGN
8058	1 EA	RELOCATE EXISTING SIGNAL HEAD
8062	750 LF	FURNISH AND INSTALL 5-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8064	250 LF	FURNISH AND INSTALL LOOPWIRE
8065	50 LF	FURNISH AND INSTALL SAWCUT
8066	2 EA	INSTALL PUSHBUTTON AND SIGN
8067	300 LF	FURNISH AND INSTALL 1/4" SPAN WIRE
8068	150 LF	FURNISH AND INSTALL 3/8" SPAN WIRE

C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

ALL MATERIAL THAT IS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION DETAILS

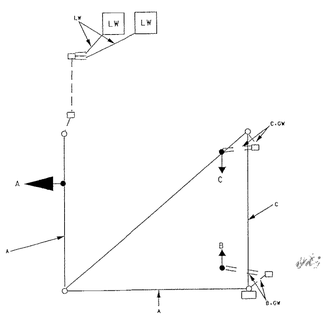
A. INSTALL 10' PEDESTAL POLE ON BREAKWAY T-BASE (1-2" CONDUIT BEND IN BASE), PEDESTRIAN SIGNALS AND PUSHBUTTON
B. INSTALL 12" 3-SECTION (RA. YA.GA) BLACK FACED SIGNAL HEAD ON EXISTING SPAN WIRE.
C. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW BLACK FACED SIGNAL HEAD
D. INSTALL 6X6 LOOP DETECTOR (4 TURNS) ENCASED IN 1/4" FLEXIBLE TUBING
E. INSTALL 1" GALVANIZED CONDUIT FOR DETECTOR WIRE SLEEVE
F. INSTALL 2" SCH 80 RIGID PVC CONDUIT-BORED
G. INSTALL 12" WHITE THERMOPLASTIC FOR CROSSWALK
H. USE EXISTING HANDBOX
I. USE EXISTING SPAN WIRE
J. USE EXISTING CONDUIT
K. RELOCATE EXISTING SIGNAL HEAD AS SHOWN
L. REMOVE EXISTING PAVEMENT MARKINGS
M. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR
N. INSTALL OVERHEAD SIGN ON SPAN WIRE
O. INSTALL 3/8" SPAN WIRE AND 1/4" TEATHER WIRE
P. INSTALL 1/4" TEATHER WIRE

SPECIAL NOTE

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF THE ADA RAMPS PRIOR TO THE INSTALLATION OF THE CROSSWALKS.

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



A.B.C 5-CONDUCTOR NO 14AWG
LW LOOP WIRE IN 1/4" TUBING
GW #6 BARE COPPER GROUND WIRE

PHASE CHART

SIGNAL HEAD #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PHASES															
1&5	GA	GA	GA	R	R	GA	GA	R	R	R	R	R	R	DW	DW
1&5 CHANGE	YA	YA	YA	R	R	YA	YA	R	R	R	R	R	R	DW	DW
2&6	RA	RA	RA	G	G	RA	RA	G	G	R	R	R	R	DW	DW
2&6 CHANGE	RA	RA	RA	Y	Y	RA	RA	Y	Y	R	R	R	R	DW	DW
3	RA	RA	RA	R	R	RA	RA	R	R	GA	G	R	R	DW	DW
3 ALT	RA	RA	RA	R	R	RA	RA	R	R	GA	G	R	R	W	W
PED CLEAR	RA	RA	RA	R	R	RA	RA	R	R	GA	G	R	R	FL DW	FL DW
3 CHANGE	RA	RA	RA	R	R	RA	RA	R	R	Y	Y	R	R	DW	DW
4	RA	RA	RA	R	R	RA	RA	R	R	R	R	GA	G	DW	DW
4 CHANGE	RA	RA	RA	R	R	RA	RA	R	R	R	R	Y	Y	DW	DW
FLASHING OPERATION	RA	RA	RA	Y	Y	RA	RA	Y	Y	R	R	R	R	DW	DW

REVISIONS

D INSTALL PEDESTRIAN INDICATIONS, BUTTONS AND X-WALKS ACROSS EAST LEG OF MD 704 — TIMS# E680 — 9/01 — GJS
C AS BUILT — 3/97
SHA NO. 859-16615/ AW 791-501-385 — RRZ
B MODIFICATION DUE TO GEOMETRICS — 1/89
SHA NO. P-410-505-372 — RH
A E/P LEFT TURN FOR WB FORBES BLVD. — 2/88

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 704 AND FORBES BOULEVARD

DRAWN BY: W J NIES (FOR STS)	F.A.P. NO.	TS NO. 3299-D	SHEET NO.
CHECKED BY: R R ZACHERL (FOR STS)	S.H.A. NO. A385-47 & 2502889		
SCALE: 1:20	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. N/A	1 OF 1
DATE: 12-10-85	LOG MILE: 16070405.89		