F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	1

EXISTING SIGNALS & SIGNS

2,5,11 3,6,8,9,12 7 10 13-16 17,19,26 13b,20b 26

R1-2 36" x 36" x 36"

PROPOSED SIGNALS & SIGNS

1,4,7 8 18a,18b,20a,20b 23

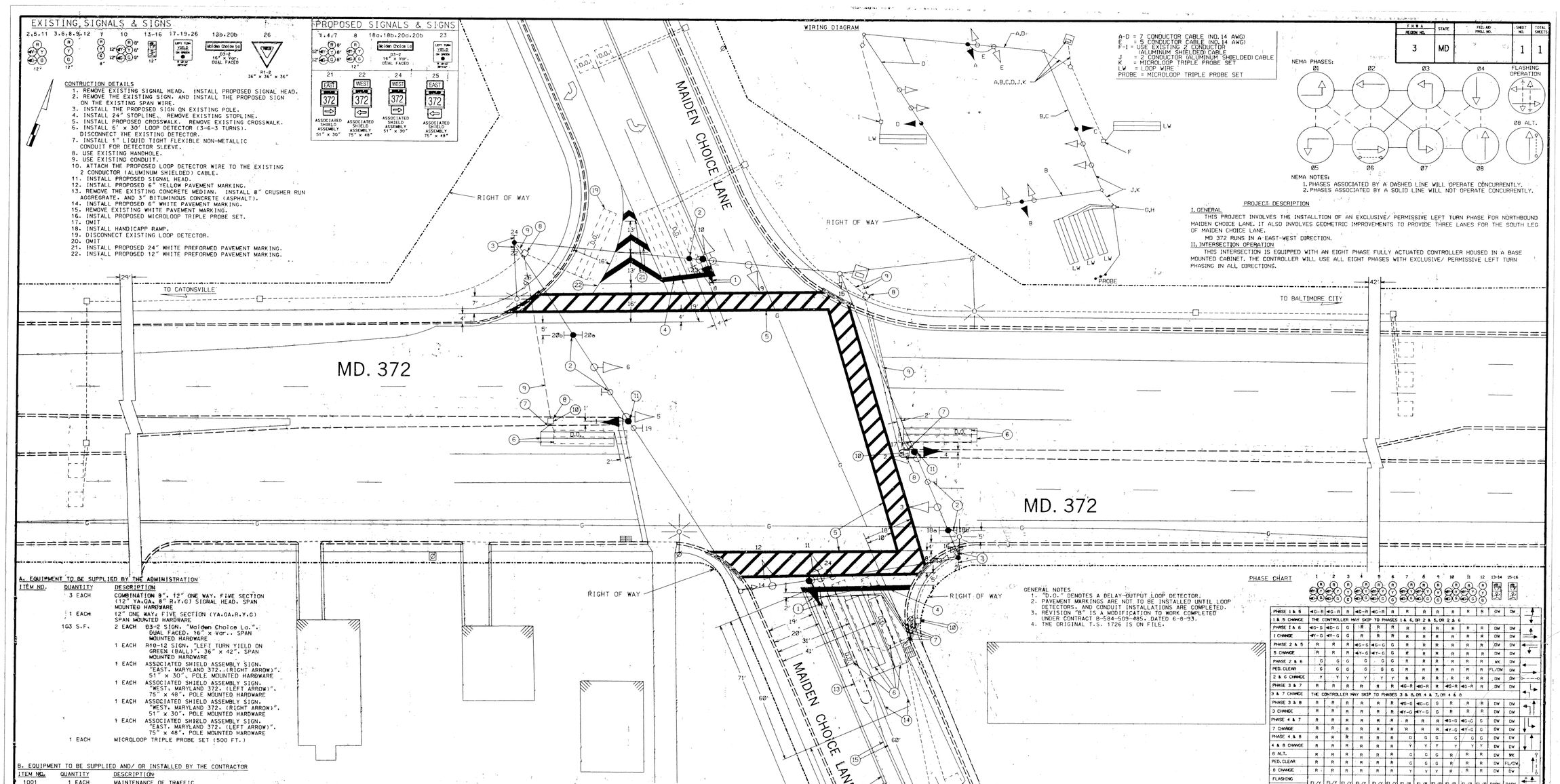
D3-2 16" x Var. DUAL FACED

21 22 24 25

ASSOCIATED SHIELD ASSEMBLY 51" x 30" — ASSOCIATED SHIELD ASSEMBLY 75" x 48" — ASSOCIATED SHIELD ASSEMBLY 51" x 30" — ASSOCIATED SHIELD ASSEMBLY 75" x 48"

CONTRUCTION DETAILS

1. REMOVE EXISTING SIGNAL HEAD. INSTALL PROPOSED SIGNAL HEAD.
2. REMOVE THE EXISTING SIGN. AND INSTALL THE PROPOSED SIGN ON THE EXISTING SPAN WIRE.
3. INSTALL THE PROPOSED SIGN ON EXISTING POLE.
4. INSTALL 24" STOPLINE. REMOVE EXISTING STOPLINE.
5. INSTALL PROPOSED CROSSWALK. REMOVE EXISTING CROSSWALK.
6. INSTALL 6' x 30' LOOP DETECTOR (3-6-3 TURNS). DISCONNECT THE EXISTING DETECTOR.
7. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
8. USE EXISTING HANDHOLE.
9. USE EXISTING CONDUIT.
10. ATTACH THE PROPOSED LOOP DETECTOR WIRE TO THE EXISTING 2 CONDUCTOR (ALUMINUM SHIELDED) CABLE.
11. INSTALL PROPOSED SIGNAL HEAD.
12. INSTALL PROPOSED 6" YELLOW PAVEMENT MARKING.
13. REMOVE THE EXISTING CONCRETE MEDIAN. INSTALL 8" CRUSHER RUN AGGREGRATE. AND 3" BITUMINOUS CONCRETE (ASPHALT).
14. INSTALL PROPOSED 6" WHITE PAVEMENT MARKING.
15. REMOVE EXISTING WHITE PAVEMENT MARKING.
16. INSTALL PROPOSED MICROLOOP TRIPLE PROBE SET.
17. OMIT
18. INSTALL HANDICAPP RAMP.
19. DISCONNECT EXISTING LOOP DETECTOR.
20. OMIT
21. INSTALL PROPOSED 24" WHITE PREFORMED PAVEMENT MARKING.
22. INSTALL PROPOSED 12" WHITE PREFORMED PAVEMENT MARKING.



PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLTION OF AN EXCLUSIVE/ PERMISSIVE LEFT TURN PHASE FOR NORTHBOUND MAIDEN CHOICE LANE. IT ALSO INVOLVES GEOMETRIC IMPROVEMENTS TO PROVIDE THREE LANES FOR THE SOUTH LEG OF MAIDEN CHOICE LANE.

MD 372 RUNS IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION IS EQUIPPED WITH AN EIGHT PHASE FULLY ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET. THE CONTROLLER WILL USE ALL EIGHT PHASES WITH EXCLUSIVE/ PERMISSIVE LEFT TURN PHASING IN ALL DIRECTIONS.

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	3 EACH	COMBINATION 8", 12" ONE WAY, FIVE SECTION (12" YA,GA, 8" R,Y,G) SIGNAL HEAD, SPAN MOUNTED HARDWARE
	1 EACH	12" ONE WAY, FIVE SECTION (YA,GA,R,Y,G) SPAN MOUNTED HARDWARE
	103 S.F.	2 EACH D3-2 SIGN, "Maidwn Choice Ln.", DUAL FACED, 16" x Var., SPAN MOUNTED HARDWARE
		1 EACH R10-12 SIGN, "LEFT TURN YIELD ON GREEN (BALL)", 36" x 42", SPAN MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 372,(RIGHT ARROW)", 51" x 30", POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 372, (LEFT ARROW)", 75" x 48", POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 372, (RIGHT ARROW)", 51" x 30", POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN, "EAST, MARYLAND 372, (LEFT ARROW)", 75" x 48", POLE MOUNTED HARDWARE
	1 EACH	MICROLOOP TRIPLE PROBE SET (500 FT.)

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
2004	15 C.Y.	CLASS 2 EXCAVATION
2007	3.1 C.Y.	REMOVE MONOLITHIC MEDIAN LESS THAN/ OR EQUAL TO 4 FT.
5001	150 L.F.	F & I 6" YELLOW PERMANENT PREFORMED PAVEMENT MARKING TAPE
5002	300 L.F.	F & I 6" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5003	1,220 L.F.	F & I 12" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5005	210 L.F.	F & I 24" WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5008	1,880 L.F.	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
6001	1,784 S.F.	F & I 4" CONCRETE SIDEWALK
6002	170 L.F.	F & I STANDARD TYPE A COMBINATION CURB AND GUTTER 12' GUTTER PAN 8" DEPTH
8011	4 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8015	1 EACH	INSTALL MICROLOOP TRIPLE PROBE SET
8022	880 L.F.	F & I SAWCUT FOR SIGNAL (LOOP DETECTOR)
8024	100 L.F.	F & I 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8043	2,400 L.F.	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8044	280 L.F.	F & I ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8047	30 L.F.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8048	425 L.F.	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8054	30 L.F.	F & I WOOD SIGN SUPPORTS 4" x 4"

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

ITEM NO.	QUANTITY	DESCRIPTION
8057	103 S.F.	INSTALL OVERHEAD SIGN
NEG	6 TONS	F & I 3" BITUMINOUS CONCRETE (ASPHALT)
NEG	30 S.Y.	F & I 8" CRUSHER RUN AGGREGRATE

UTILITY LEGEND

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

GENERAL NOTES

1. "D.O." DENOTES A DELAY-OUTPUT LOOP DETECTOR.
2. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS, AND CONDUIT INSTALLATIONS ARE COMPLETED.
3. REVISION "B" IS A MODIFICATION TO WORK COMPLETED UNDER CONTRACT B-584-509-485, DATED 6-8-93.
4. THE ORIGINAL T.S. 1726 IS ON FILE.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13-14	15-16
PHASE 1 & 5	◄G-R	◄G-R	R	◄G-R	◄G-R	R	R	R	R	R	R	R	DW	DW
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6													
PHASE 1 & 6	◄G-G	◄G-G	G	◄R	R	R	R	R	R	R	R	R	DW	DW
1 CHANGE	◄Y-G	◄Y-G	G	R	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 5	R	R	R	◄G-G	◄G-G	G	R	R	R	R	R	R	DW	DW
5 CHANGE	R	R	R	◄Y-G	◄Y-G	G	R	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	DW
PED. CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3 & 7	R	R	R	R	R	R	◄G-R	◄G-R	R	◄G-R	◄G-R	R	DW	DW
3 & 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8, OR 4 & 7, OR 4 & 8													
PHASE 3 & 8	R	R	R	R	R	R	◄G-G	◄G-G	G	R	R	R	DW	DW
3 CHANGE	R	R	R	R	R	R	◄Y-G	◄Y-G	G	R	R	R	DW	DW
PHASE 4 & 7	R	R	R	R	R	R	R	R	◄G-G	◄G-G	G	G	DW	DW
7 CHANGE	R	R	R	R	R	R	R	R	◄Y-G	◄Y-G	G	G	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW
8 ALT.	R	R	R	R	R	R	G	G	G	R	R	R	DW	WK
PED. CLEAR	R	R	R	R	R	R	G	G	G	R	R	R	DW	FL/DW
8 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

REVISIONS

A. 09/96 - AS BUILT; ADDED E/P L.T., & THIRD LANE TO N.B. MAIDEN CHOICE LANE SHA # AW-104-501-585

W/M | D.J.D. | D.A.Z. | B.A.K. | G.R.S.

B. 03/97 - REDLINE REVISION TO REMOVE MEDIAN N/B MAIDEN CHOICE LANE BY CONTRACTOR; SHA # AW-104-501-585

APPROVALS

ASSISTANT DIVISION CHIEF, TEDD

ASSISTANT DIVISION CHIEF, TRAFFIC

NOTE: THIS IS A REVISION TO B-584-509-485 DATED 6-8-93 ORIGINAL PLAN ON FILE

CHIEF, TRAFFIC ENGINEERING DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD. 372 & MAIDEN CHOICE LANE

SIGNAL #Ø3037201.81

DATE 6-8-93

DRAWN BY: G.F.H.	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
DES. BY: DENNIS J. DODA	S.H.A. NO. B-584-509-485	TS-1726 (B)	1 OF 1
CHECK BY:	COUNTY BALTIMORE		
SCALE: 1" = 20'			