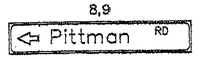
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 173 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

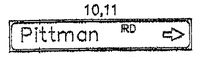
12

M1-1 SIGN (48 IN X 36 IN.)
M4-5a PANEL (30 IN. X 15 IN.)
M6-1 PANEL (30 IN. X 24 IN.)

8,9

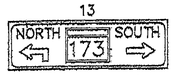


10,11



D3-2 DUAL FACED SIGN (VARIABLE X 16 IN.)

13



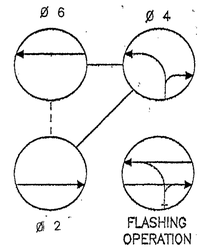
(72 IN. X 24 IN.)

SIGNAL HEADS

1-7

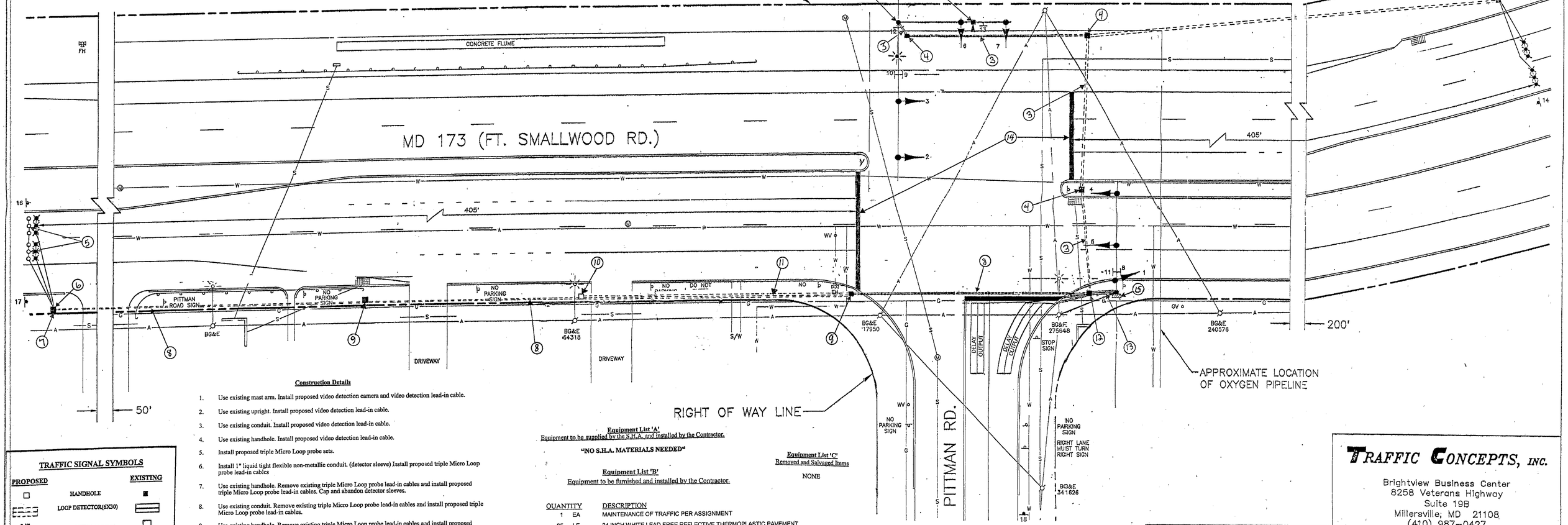
12"

NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



Construction Details

1. Use existing mast arm. Install proposed video detection camera and video detection lead-in cable.
2. Use existing upright. Install proposed video detection lead-in cable.
3. Use existing conduit. Install proposed video detection lead-in cable.
4. Use existing handhole. Install proposed video detection lead-in cable.
5. Install proposed triple Micro Loop probe sets.
6. Install 1" liquid tight flexible non-metallic conduit. (detector sleeve) Install proposed triple Micro Loop probe lead-in cables
7. Use existing handhole. Remove existing triple Micro Loop probe lead-in cables and install proposed triple Micro Loop probe lead-in cables. Cap and abandon detector sleeves.
8. Use existing conduit. Remove existing triple Micro Loop probe lead-in cables and install proposed triple Micro Loop probe lead-in cables.
9. Use existing handhole. Remove existing triple Micro Loop probe lead-in cables and install proposed triple Micro Loop probe lead-in cables.
10. Install handhole over existing conduit run. Install proposed triple Micro Loop probe lead-in cables.
11. Install 2" schedule 80 polyvinyl chloride electrical conduit. (bored/pushed) Install proposed triple micro Loop probe lead-in cables.
12. Use existing handhole. Disconnect and remove existing loop detector lead-in cables for phase 4. Cap and abandon detector sleeves. Remove existing triple Micro Loop probe lead-in cables for phase 6 and install proposed triple Micro Loop probe lead-in cables and video detection lead-in cable.
13. Use existing conduit. Remove existing triple Micro Loop probe lead-in cable for phase 6 and existing phase 4 loop detector cables and install proposed triple Micro Loop probe lead-in cable and video detection lead-in cable.
14. Remove existing stop line and replace stop line in accordance with SHA Standards.
15. Use existing controller cabinet. Remove existing triple Micro Loop probe lead-in cables and install proposed triple Micro Loop probe lead-in cables and video detection lead-in cable. Install communication interface panel, TS-2 Mini-Hub, Mini-Hub Cables, Industrial 56 k modem and SDLC Cables. Traffic Operations Division personnel to install and program video detection system hardware and software and re-tune amplifiers after completion of proposed detector work.

Equipment List 'A'
Equipment to be supplied by the S.H.A. and installed by the Contractor.

"NO S.H.A. MATERIALS NEEDED"

Equipment List 'B'
Equipment to be furnished and installed by the Contractor.

QUANTITY		DESCRIPTION
1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
85	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
85	LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
2	EA	F & I MICROLOOP PROBE SET WITH 1000' LEAD IN
1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
120	LF	FURNISH & INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
6	LF	FURNISH & INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
40	LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
1	EA	F & I ASOLOPRO CAMERA, MOUNTING BRACKET AND 500' CABLE
1	EA	F & I ASOLOPRO CONTROL EQUIPMENT - PER INTERSECTION

Equipment List 'C'
Removed and Salvaged Items

NONE

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
□	HANDHOLE	■
	LOOP DETECTOR(6X30)	
	LOOP DETECTOR(6X6)	□
	CONDUIT	
	MICRO LOOP PROBE SET	
	ZOOM LENS IMAGE SENSOR	

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISIONS	APPROVALS	REVISIONS
	3/12/97 ASSISTANT DIVISION CHIEF	
	3/13/97 ASST. DISTRICT ENGINEER, TRAFFIC	
	3/14/97 CHIEF, TRAFFIC ENGINEERING DESIGN DIV.	
(A) Install video detection Replace failed probe sets	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

LOG MILE NO. 02017308.53

TRAFFIC CONCEPTS, INC.
Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

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

TRAFFIC SIGNALIZATION PLAN
MD 173 AND PITTMAN ROAD

DATE: 2-3-97	DRAWN BY: T. ZAYDEL	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY: T. ZAYDEL	S.H.A. NOS.: AW048A56, AW104A56, AW104M56		TS-3655	1 OF 2
APPROVED BY:	CHECKED BY: K. SCHMID	COUNTY	ANNE ARUNDEL		

SHA#: AA348A56/B55 TOD #: AT808-11