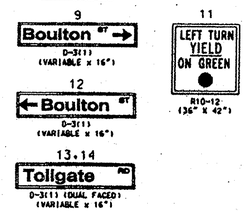
TOLLGATE ROAD IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

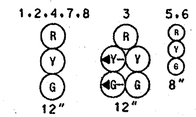
Construction Details

1. Install proposed tripe micro loop probe set.
2. Use existing handhole. Cap and abandon existing detector sleeve and remove existing triple micro loop probe lead-in cable. Install proposed detector sleeve and triple micro loop probe lead-in cable.
3. Use existing conduit. Remove existing triple micro loop probe lead-in cables and install proposed triple micro loop probe lead-in cables.
4. Use existing handhole. Remove existing triple micro loop probe lead-in cable and install proposed triple micro loop probe lead-in cable.
5. Use existing upright and controller cabinet. Remove existing triple micro loop probe lead-in cable for phases 2 & 6 and install proposed triple micro loop probe lead-in cables, video detection lead-in cable and 1 inch galvanized riser to accommodate phone drop. TOD personnel will install and program video detection interface equipment and re-tune amplifiers after completion of proposed video work....
6. Use existing mast arm and upright. Install proposed video detection camera and video detection lead-in cable.
7. Remove stop line and re-install in accordance to SHA Standards.
8. Adjust handhole to grade. Remove existing triple micro loop probe lead-in cable and install proposed triple micro loop probe lead-in cable.
9. Remove existing R10-12 sign.

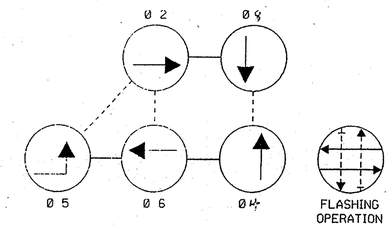
SIGNS



SIGNAL HEADS

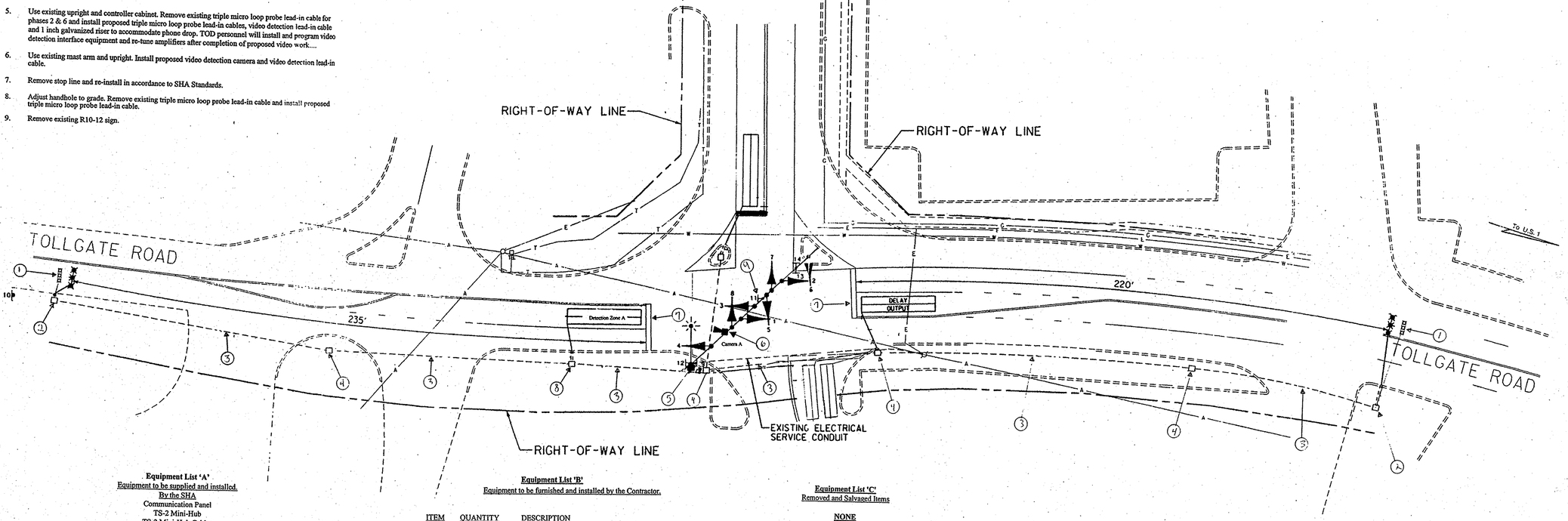


NEMA PHASING



PHASING NOTES:

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



Equipment List 'A'
Equipment to be supplied and installed.
By the SHA
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

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

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5003	30	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	30	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8018	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8029	25	LF	1 IN. ELECTRICAL CONDUIT- GALVANIZED RISER
8040	7	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8043	2	EA	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
8050	1	EA	VIDEO DETECTION CAMERA & CONTROLLER CABLES UP TO 500 LF
8063	50	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
NEG	1	EA	ADJUST HANDHOLE TO GRADE

Equipment List 'C'
Removed and Salvaged Items

NONE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

TRAFFIC SIGNAL SYMBOLS

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

REVISIONS

A	Installation of video detection 11/2006 OT 2007

APPROVALS

TEAM LEADER - PROJECT MANAGEMENT/ELECTRICAL DESIGN DIVISION 8/30/01

for Dimitrios A. Zafiris
ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 8/30/01

DIRECTOR, TRAFFIC & SAFETY 8/31

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
TOLLGATE ROAD AND BOULTON STREET

DRAWN BY:	S. BLOSS	F.A.P. NO.		TS NO. TS-4133 A	SHEET NO.
CHECKED BY:	N. LEARY	S.H.A. NO.	XX1065385		
SCALE:	1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO. T-294	1 OF 2
DATE:	8/27/01	LOG MILE:			

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