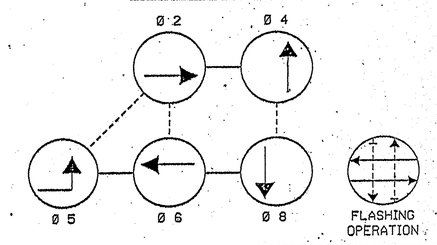
TOLLGATE ROAD IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

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 by the S.H.A. and installed by the Contractor.

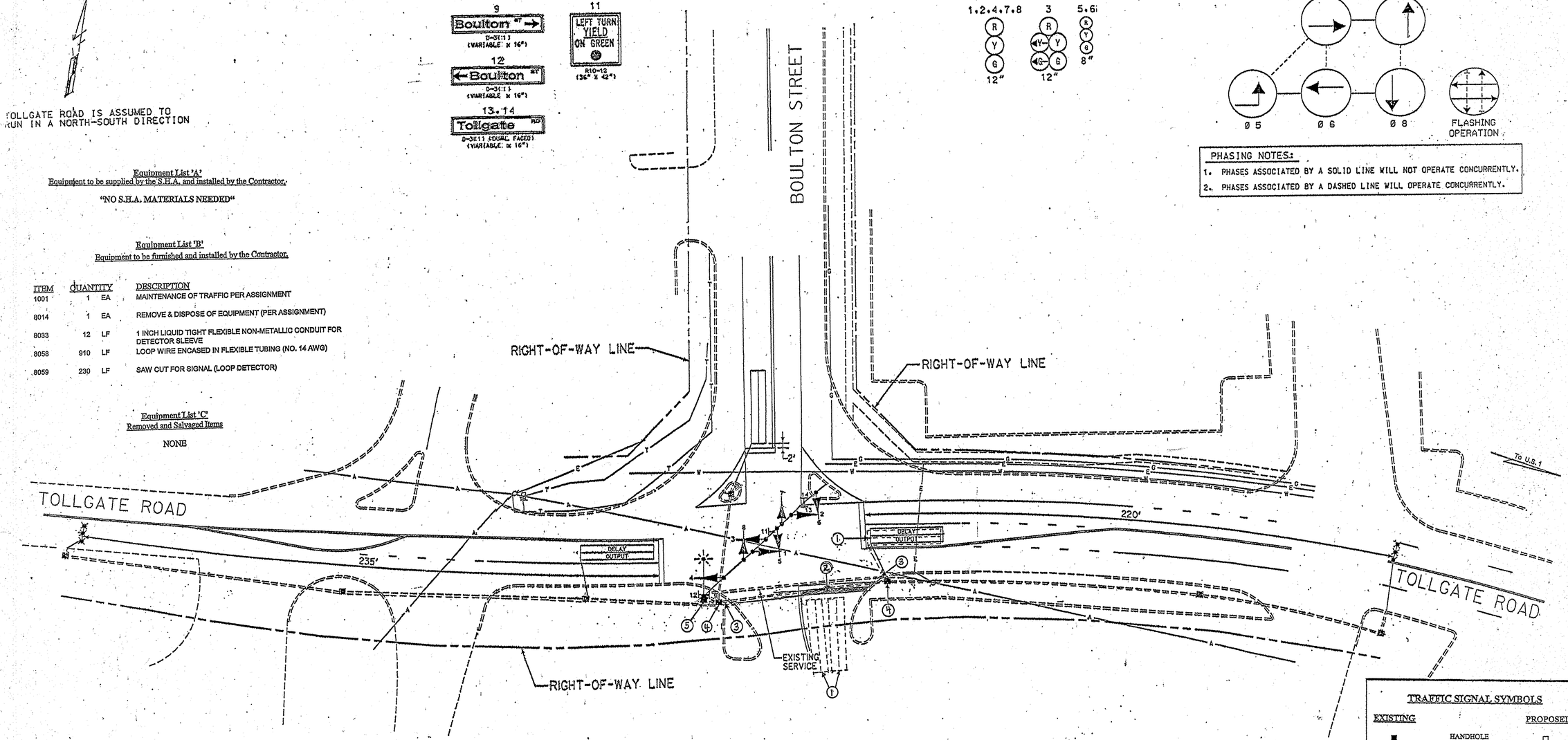
"NO S.H.A. MATERIALS NEEDED"

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

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8014	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8033	12	LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8058	910	LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8059	230	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

Equipment List 'C'
Removed and Salvaged Items

NONE



TRAFFIC SIGNAL SYMBOLS

EXISTING		PROPOSED
■	HANDHOLE	□
▭	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	□
------	CONDUIT	------
✕✕✕	MICRO LOOP PROBE SET	✕✕✕

Construction Details

1. Install 6' x 30' quadrupole loop detector. (Note: 3-6-3 turns)
2. Install stop line.
3. Install 1" liquid tight flexible non-mmettallic conduit. (detector sleeve)
4. Use existing handhole. Disconnect existing loop detector wire(s), cap and abandon existing detector sleeve(s). Splice proposed loop detector wires to existing loop detector lead-in cable.
5. Use existing controller cabinet. Traffic Operations Division personnel to re-tune existing loop detector amplifiers upon completion of proposed detectors.

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

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS
	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION 8/30/01
	for Dimitris A. Zafiris ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 8/30/01
(A) Replace failed detectors OT-2003	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-4133A	SHEET NO.
CHECKED BY:	N. LEARY	S.H.A. NO.	XX1065385		
SCALE:	1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO. E629	1 OF 2
DATE:	8/27/01	LOG MILE:			

M:\20008\Tollgate&Boulton\e629gp01.dgn