F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.		12	19

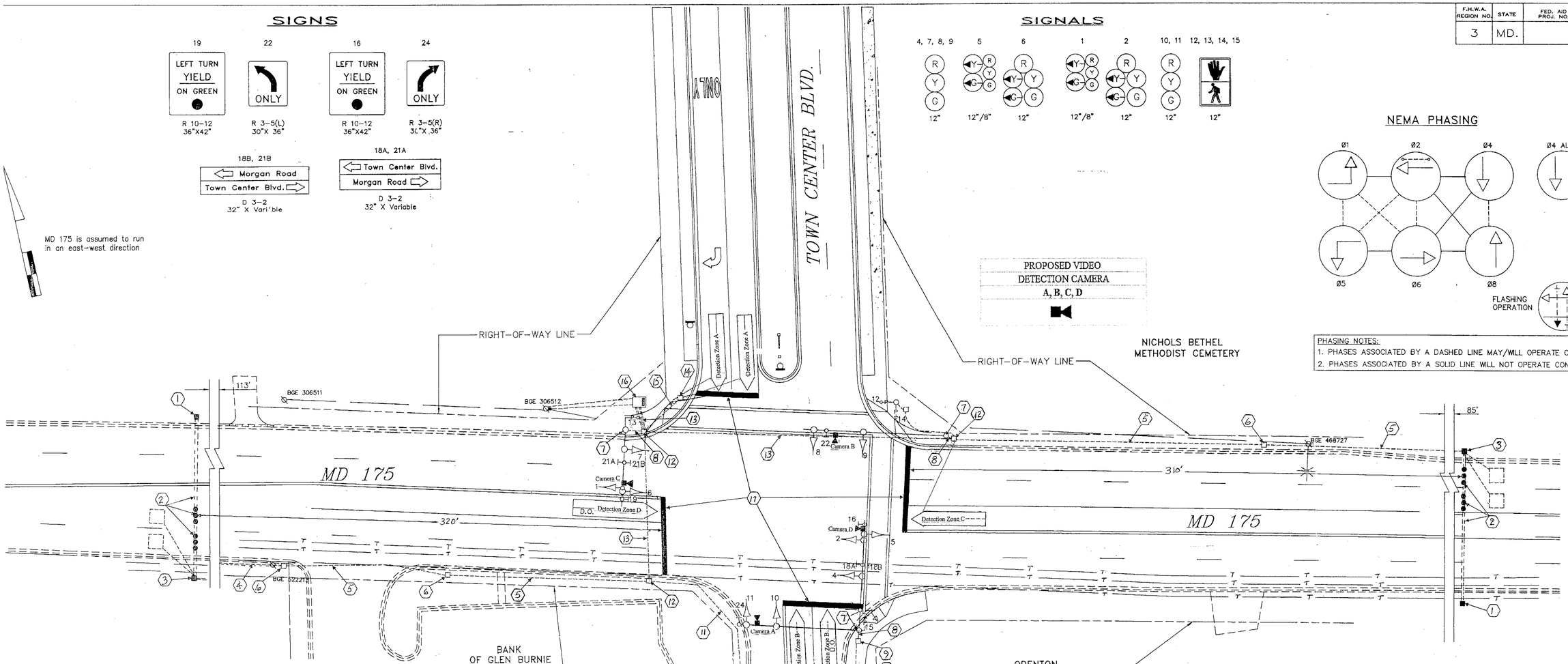
SIGNS

MD 175 is assumed to run in an east-west direction

SIGNALS

NEMA PHASING

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



Construction Details

1. Install proposed handhole.
2. Install proposed 3 inch conduit (slotted) and noninvasive probe sets.
3. Remove existing handhole. Install proposed handhole and noninvasive probe lead-in cables.
4. Install proposed 2 inch conduit (bored). Install proposed noninvasive probe lead-in cables. Install proposed noninvasive probe lead-in cables.
5. Use existing conduit. Remove existing loop detector lead-in cables. Install proposed noninvasive probe lead-in cables.
6. Use existing handhole. Remove existing loop detector lead-in cables. Install proposed noninvasive probe lead-in cables.
7. Use existing upright and mast arm. Install proposed detection camera and lead-in cable(s).
8. Use existing conduit. Install proposed video detection lead-in cable(s).
9. Use existing handhole. Install proposed video detection lead-in cable.
10. Use existing handhole. Remove existing loop detector lead-in cable(s). Install proposed video detection lead-in cable.
11. Use existing conduit. Remove existing loop detector lead-in cable(s). Install proposed video detection lead-in cable.
12. Use existing handhole. Remove existing loop detector lead-in cable(s). Install proposed video detection and noninvasive probe lead-in cable(s).
13. Use existing conduit. Remove existing loop detector lead-in cable(s). Install proposed video detection and noninvasive probe lead-in cable(s).
14. Use existing handhole. Remove existing loop detector lead-in cables.
15. Use existing conduit. Remove existing loop detector lead-in cables.
16. Use existing controller cabinet. Remove existing loop detector lead-in cables for phases 1, 2, 4, 5, 6 and 8. Install proposed noninvasive probe and video detection lead-in cables. Traffic Operations Division personnel will install and program video interface equipment and re-tune amplifiers upon completion of proposed work.
17. Remove existing stop lines and replace to SHA standards.

Equipment List 'A'

Equipment to be supplied and installed By the SHA

- Easy Lock Connector
- Terra Interface Panel
- Terra Access Point
- Tip to Tap I/F Cable-BIU
- Tip to Tap I/F Cable-Hardwire
- Terra Field Ethernet Adapter

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1002	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5001	130	LF	FURNRNISH AND INSTALL 24 INCH WHITE PREFORMED
5002	130	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE
8007	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT
8008	4	EA	VIDEO DETECTION CAMERA & CABLE
8013	200	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH BORED
8014	120	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH SLOTTED
8017	4	EA	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8018	4	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

Equipment List 'C'

Removed and Salvaged Items

NONE

LEGEND

OVERHEAD UTILITIES
- ELECTRICAL — A

UNDERGROUND UTILITIES
- ELECTRIC — E
- TELEPHONE — T
- GAS — G
- SEWER — S
- WATER — W
- CABLE TV — TV

TRAFFIC SIGNAL SYMBOLS

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

REVISIONS

(E) May 2011 — Install Video Detection — XX6465185 — TIMS L-065

(D) DECEMBER, 1998 — MODIFY EXISTING TRAFFIC SIGNAL; ADD EQUIPMENT FOR NORTH APPROACH DUE TO NEW GEOMETRICS.

(C) SEPTEMBER 1995 — RECONSTRUCTION DUE TO MORGAN ROAD EXTENSION

APPROVALS

ORIGINAL

CHIEF, SIGNAL DESIGN SECTION

ON

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

FILE

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION – OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: J. HOHMAN
DES. BY: K. SCHMID
CHK. BY: K. SCHMID

TRAFFIC SIGNAL PLAN
MD 175 AT ~~MORGAN ROAD~~/TOWN CENTER BLVD.

LOG MILE NO. 02017503.81 — COUNTY: Anne Arundel

DATE: JULY 1995 — F.A.P. NO. — TS/FILE NO. 2049E
SCALE: 1"=20' — S.H.A. NO. — SHEET NO. 1 OF 1

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