FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TO SH
3	MD.	SEE TITLE SHEET		

Intersection Operation

The existing phasing, cabinet and controller are to be utilized.

Construction Details

A. Use existing handhole and splice new loopwire to existing 2–conductor aluminum shielded cable.

B. Use existing loop detector sleeve.

C. Use existing span wire, traffic signal heads, and sign. Relocate as shown.

D. Use existing span wire, traffic signal heads, and signs. Relocate as shown.

E. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (2–4–2 turns).

F. Use existing handhole.

G. Install handhole.

H. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit – slotted.

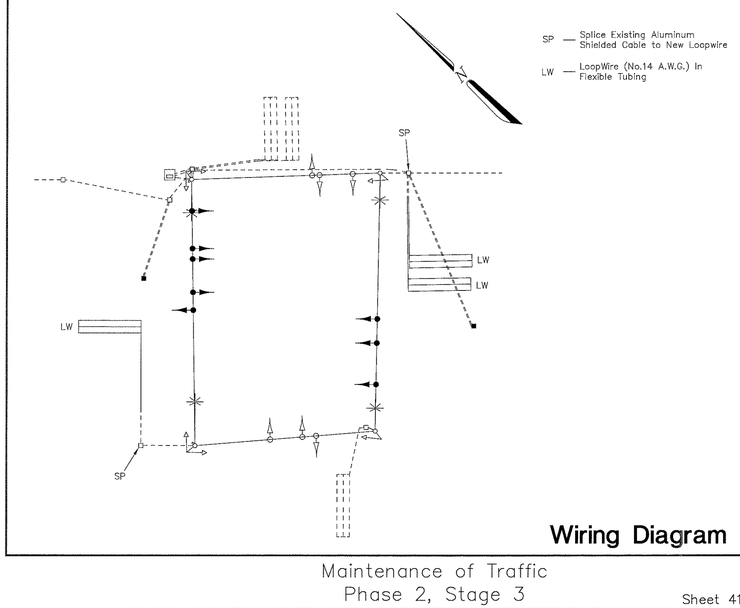
Equipment List "B"

Equipment to be furnished and/or installed by the Contractor.

Quantity	Unit	Description
425	LF	Sawcut for signal loop detector.
1150	LF	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
150	LF	2 in. polyvinyl chloride (Schedule 80) electrical conduit – slotted.
8	EA	Relocate existing traffic signal head – span wire mount.
3	EA	Loop detector splice.
22.5	SF	Relocate existing sheet aluminum signing – overhead mount.
2	EA	Handhole.
2	EA	Ground rod – 3/4 in. diameter x 10 ft. length.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15–18	19–20	
Phase 1 & 5	←G—	←G—	R	R	←G—	←G—	R	R	R	R	R	R	R	R	DW	DW	
1 & 5 Change To Phase 1 & 6 or Phase 2 & 5																	
Phase 1 & 6	←G—	←G—	G	G	←R—	←R—	R	R	R	R	R	R	R	R	DW	DW	
1 Change	←Y—	←Y—	G	G	←R—	←R—	R	R	R	R	R	R	R	R	DW	DW	
Phase 2 & 5	←R—	←R—	R	R	←G—	←G—	G	G	R	R	R	R	R	R	DW	DW	
5 Change	←R—	←R—	R	R	←Y—	←Y—	G	G	R	R	R	R	R	R	DW	DW	
Phase 2 & 6	←R—	←R—	G	G	←R—	←R—	G	G	R	R	R	R	R	R	WK	DW	
Ped Clearance	←R—	←R—	G	G	←R—	←R—	G	G	R	R	R	R	R	R	FL\DW	DW	
2 & 6 Change	←R—	←R—	Y	Y	←R—	←R—	Y	Y	R	R	R	R	R	R	DW	DW	
Phase 4 & 8	←R—	←R—	R	R	←R—	←R—	R	R	G	G	G	G	G	G	DW	DW	
4 & 8 Change	←R—	←R—	R	R	←R—	←R—	R	R	Y	Y	Y	Y	Y	Y	DW	DW	
Phase 4 & Alt. 8	←R—	←R—	R	R	←R—	←R—	R	R	G	G	G	G	G	G	DW	WK	
Ped Clearance	←R—	←R—	R	R	←R—	←R—	R	R	G	G	G	G	G	G	DW	FL\DW	
4 & Alt. 8 Change	←R—	←R—	R	R	←R—	←R—	R	R	Y	Y	Y	Y	Y	Y	DW	DW	
Flashing Operation	FL/←R—	FL/←R—	FL/Y	FL/Y	FL/←R—	FL/←R—	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

Phase Chart



Wiring Diagram

Maintenance of Traffic
Phase 2, Stage 3

Sheet 41 of 5

Revision 'B'

A/E GROUP, INC.
CONSULTING ENGINEERS • PLANNERS
11409 CRONHILL DRIVE
OWINGS MILLS, MD. 21117
(410) 363–1908
A/E JOB NO: 94–264

REVISIONS
(B) November 6, 1995 Rebuild to new geometrics. S.H.A. No.:M 611–501–371

APPROVALS

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL # 15035515.70

DRAWN BY: E. Rather, Jr.
DES. BY: N/A
CHK. BY: N/A

MD 355 at Loral Entrance

See Note No. 7. COUNTY: MONTGOMERY

DATE: April 13, 1987 F.A.P. NO. N/A
SCALE: N/A S.H.A. NO. N/A

TS/STD. NO. **47B-X2-GI**

SHEET NO. ____ OF ____

\94-264\AUTOCAD\SIGNALS\TBM-X2 Sat Nov 4 16:17:42 1995 By: A/E Group Inc.