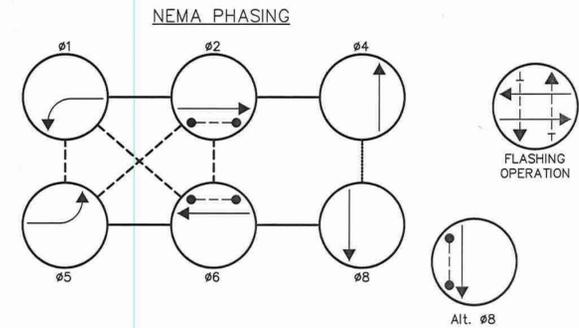
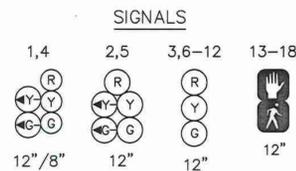


FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	SEE TITLE SHEET		



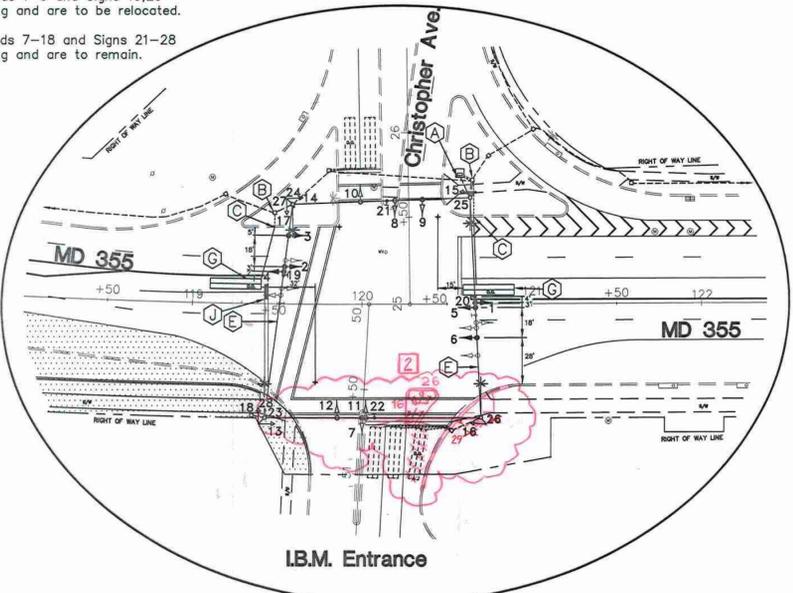
PHASING NOTES:

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

2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

NOTE: Signal heads 1-6 and Signs 19,20 are existing and are to be relocated.

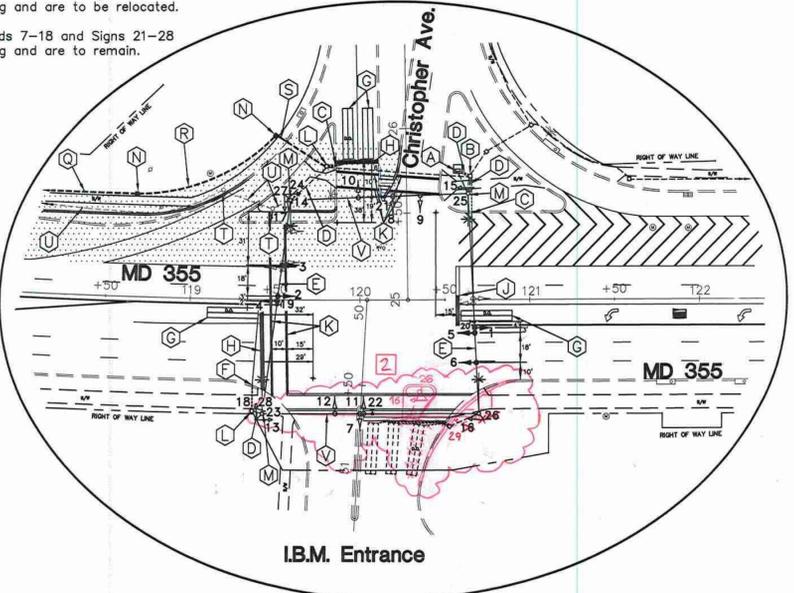
Signal heads 7-18 and Signs 21-28 are existing and are to remain.



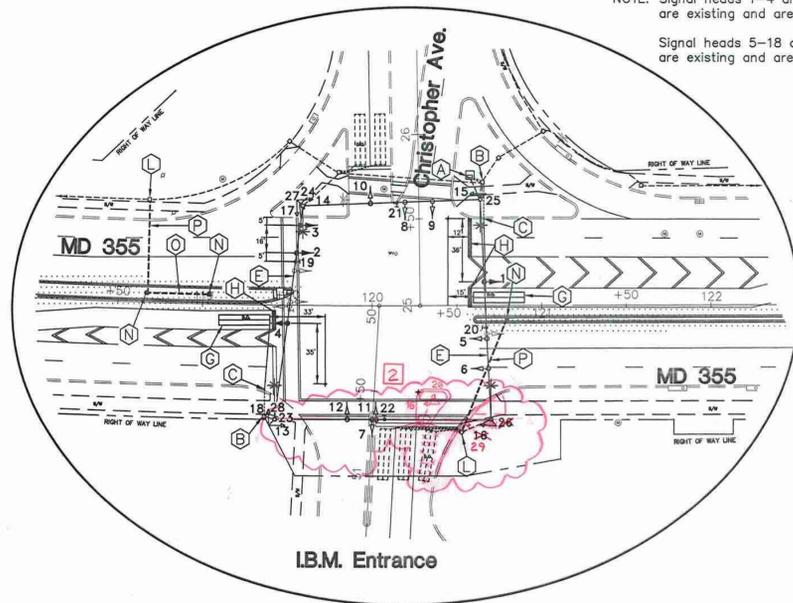
Maintenance of Traffic Phase 1, Stage 2

NOTE: Signal heads 1-6 and Signs 19,20 are existing and are to be relocated.

Signal heads 7-18 and Signs 21-28 are existing and are to remain.



Maintenance of Traffic Phase 2, Stage 2



Maintenance of Traffic Phase 2, Stage 3

NOTE: Signal heads 1-4 and Sign 19 are existing and are to be relocated.

Signal heads 5-18 and Signs 20-28 are existing and are to remain.

Intersection Operation		Equipment List "B"	
The existing phasing, cabinet and controller are to be utilized.		Equipment to be furnished and/or installed by the Contractor.	
Construction Details		Quantity	Description
A.	Existing cabinet/controller are to be utilized.	330	LF 12 in. preformed white pavement marking for pedestrian crossing.
B.	Use existing handhole and splice new loopwire to existing 2-conductor aluminum shielded cable.	165	LF 24 in. preformed white pavement marking for stop line.
C.	Use existing loop detector sleeve.	1075	LF Sawcut for signal loop detector.
D.	Use existing conduit.	2775	LF Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
E.	Use existing span wire, traffic signal heads, and sign. Relocate as shown.	15	LF 1 in. galvanized steel conduit for loop detector sleeve.
F.	Install 1 in. galvanized steel conduit for loop detector sleeve.	35	LF 2 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched.
G.	Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (2-4-2 turns).	125	LF 2 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted.
H.	Install 24 in. preformed white pavement marking for stop line.	100	LF 4 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched.
J.	Extend existing stop line with 24 in. preformed white pavement marking.	30	LF 4 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted.
K.	Install 12 in. preformed white pavement marking for crosswalk.	375	LF 2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
L.	Use existing handhole.	16	EA Relocate existing traffic signal head - span wire mount.
M.	Use existing strain pole.	7	EA Loop detector splice.
N.	Install handhole.	52.5	SF Relocate existing sheet aluminum signing - overhead mount.
O.	Install 2 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched.	5	EA Handhole.
P.	Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted.	5	EA Ground rod - 3/4 in. diameter x 10 ft. length.
Q.	Conduit for interconnect. Refer to interconnect plans.		
R.	Install 4 in. polyvinyl chloride (Schedule 40) electrical conduit - trenched.		
S.	Install 4 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted.		
T.	Remove existing handhole.		
U.	Cap and abandon existing conduit.		
V.	Use existing span wire.		

LEGEND

--- CONSTRUCTION AREA

GEOMETRIC LEGEND

--- EXISTING GEOMETRICS

--- PROPOSED GEOMETRICS

UTILITY LEGEND

--- G --- GAS MAIN

--- W --- WATER MAIN

--- S --- SEWER MAIN

--- D --- STORM DRAIN

--- E --- ELECTRIC CABLES

--- A --- AERIAL CABLES

--- T --- TELEPHONE CABLES

--- C --- CABLE TELEVISION

Revision 'B' & 'C'

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

REVISIONS	APPROVALS
<p>① Revise for geometric modifications in Southeast Quadrant. 10/23/06 J.F.L. [Signature]</p> <p>② Rebuild to new geometrics. November 6, 1995 S.H.A. No. M 611-501-371 [Signature]</p>	<p>CHIEF, SIGNAL DESIGN SECTION</p> <p>ASST. DISTRICT ENGINEER, TRAFFIC</p> <p>CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>DIRECTOR, OFFICE OF TRAFFIC & SAFETY</p>

- NOTES**
- "D.O." indicates delay output loop detector.
 - Proposed geometrics shall be confirmed prior to the installation of signal equipment.
 - Loop detectors and conduit shall be installed prior to the installation of pavement markings.
 - Pavement markings detailed are proposed and are to be installed by the contractor in accordance with S.H.A. standards. All other pavement markings not detailed will be installed as part of the highway contract.
 - Revision 'B' is a revision to the traffic signal built in September, 1986 under Contract S.H.A. No.: BW-890-801-312.
 - All utilities are shown in their approximate location and are not to be considered as complete. The Contractor shall be responsible for contacting Miss Utility to verify the locations of all utilities. The Contractor shall contact the appropriate personnel prior to construction to avoid potential conflicts so that field adjustments can be made.
 - Interconnect to be maintained at all times.

Sheet 35 of 52

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL # 15035515.86

DRAWN BY: T. Zaydel
DES. BY: T. Zaydel
CHK. BY: D. Doda

MD 355 at Christopher Avenue/ IBM Entrance

COUNTY: MONTGOMERY

DATE: September 26, 1986 F.A.P. NO. N/A TS/STD. NO. 2230B-X2-R SHEET NO. 324 OF 370

SCALE: 1" = 50' S.H.A. NO. BW-890-801-312