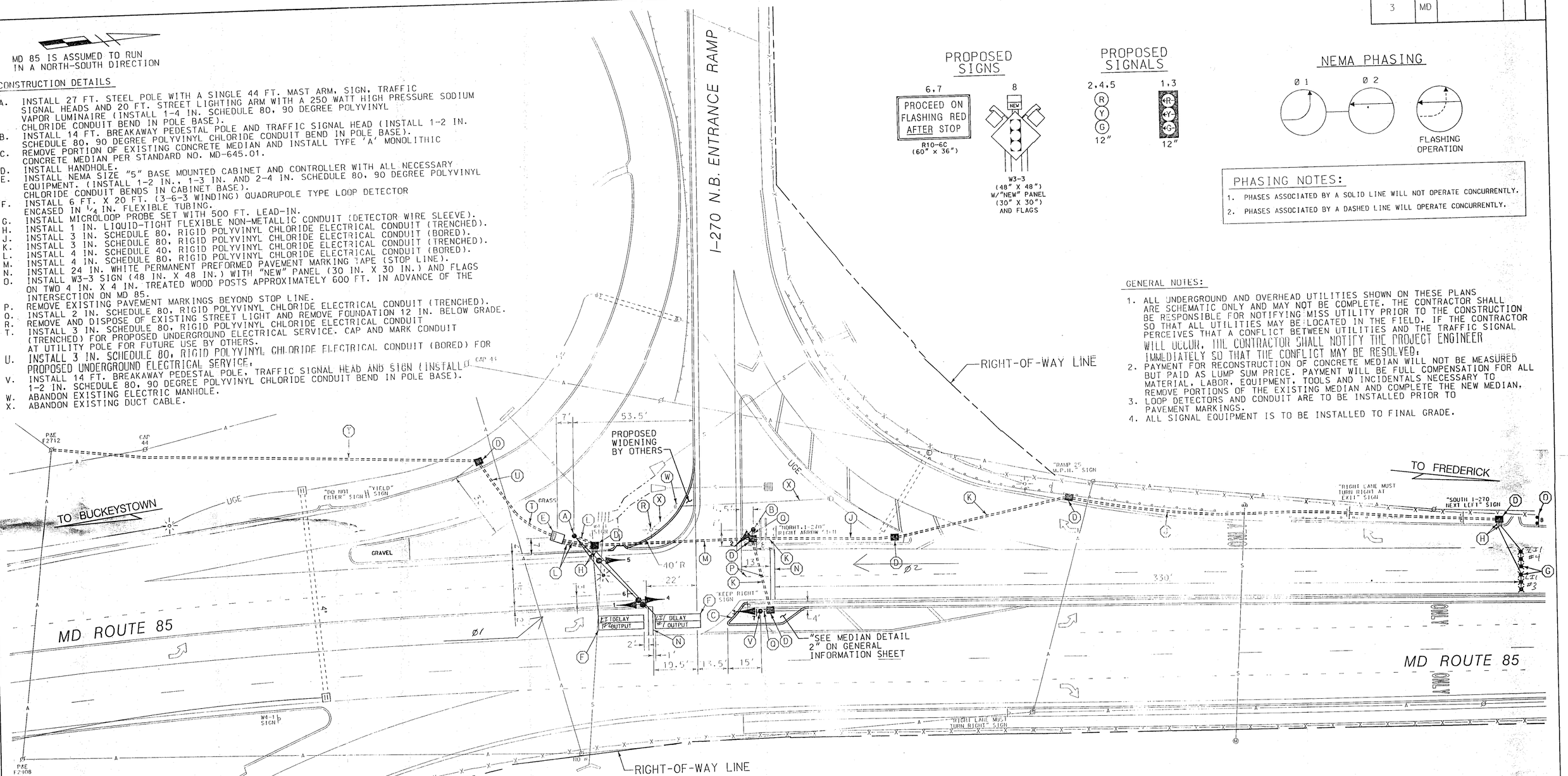
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 85 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A SINGLE 44 FT. MAST ARM, SIGN, TRAFFIC SIGNAL HEADS AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
B. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE AND TRAFFIC SIGNAL HEAD (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
C. REMOVE PORTION OF EXISTING CONCRETE MEDIAN AND INSTALL TYPE 'A' MONOLITHIC CONCRETE MEDIAN PER STANDARD NO. MD-645.01.
D. INSTALL HANDHOLE.
E. INSTALL NEMA SIZE "5" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (INSTALL 1-2 IN., 1-3 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS IN CABINET BASE).
F. INSTALL 6 FT. X 20 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
H. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE).
J. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
K. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 40, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
M. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
N. INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
O. INSTALL W3-3 SIGN (48 IN. X 48 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 600 FT. IN ADVANCE OF THE INTERSECTION ON MD 85.
P. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
Q. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
R. REMOVE AND DISPOSE OF EXISTING STREET LIGHT AND REMOVE FOUNDATION 12 IN. BELOW GRADE.
T. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT AT UTILITY POLE FOR FUTURE USE BY OTHERS.
U. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
V. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, TRAFFIC SIGNAL HEAD AND SIGN (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
W. ABANDON EXISTING ELECTRIC MANHOLE.
X. ABANDON EXISTING DUCT CABLE.



PROPOSED SIGNS

6,7

PROCEED ON FLASHING RED AFTER STOP

R10-6C (60" x 36")

8

W3-3 (48" X 48") W/"NEW" PANEL (30" X 30") AND FLAGS

PROPOSED SIGNALS

2,4,5

12"

1,3

12"

NEMA PHASING

FLASHING OPERATION

PHASING NOTES:

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

GENERAL NOTES:

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. PAYMENT FOR RECONSTRUCTION OF CONCRETE MEDIAN WILL NOT BE MEASURED BUT PAID AS LUMP SUM PRICE. PAYMENT WILL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO REMOVE PORTIONS OF THE EXISTING MEDIAN AND COMPLETE THE NEW MEDIAN.
3. LOOP DETECTORS AND CONDUIT ARE TO BE INSTALLED PRIOR TO PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT IS TO BE INSTALLED TO FINAL GRADE.

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LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF 10/3/97	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION 10/3/97	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY 10/3	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN

MD 85 AND I-270 NORTHBOUND ENTRANCE RAMP

DATE: 10-1-97	DRAWN BY: S.BLOSS	F.A.P. NO. AC-STPG-0005(588)E		PLAN SHEET NO.: TS-3743	SHEET NO. 2 OF 3
SCALE:	DESIGNED BY: N.LEARY	S.H.A. NO. AW104A5K/B5K			
APPROVED BY:	CHECKED BY: T.HANNAN	COUNTY FREDERICK			

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