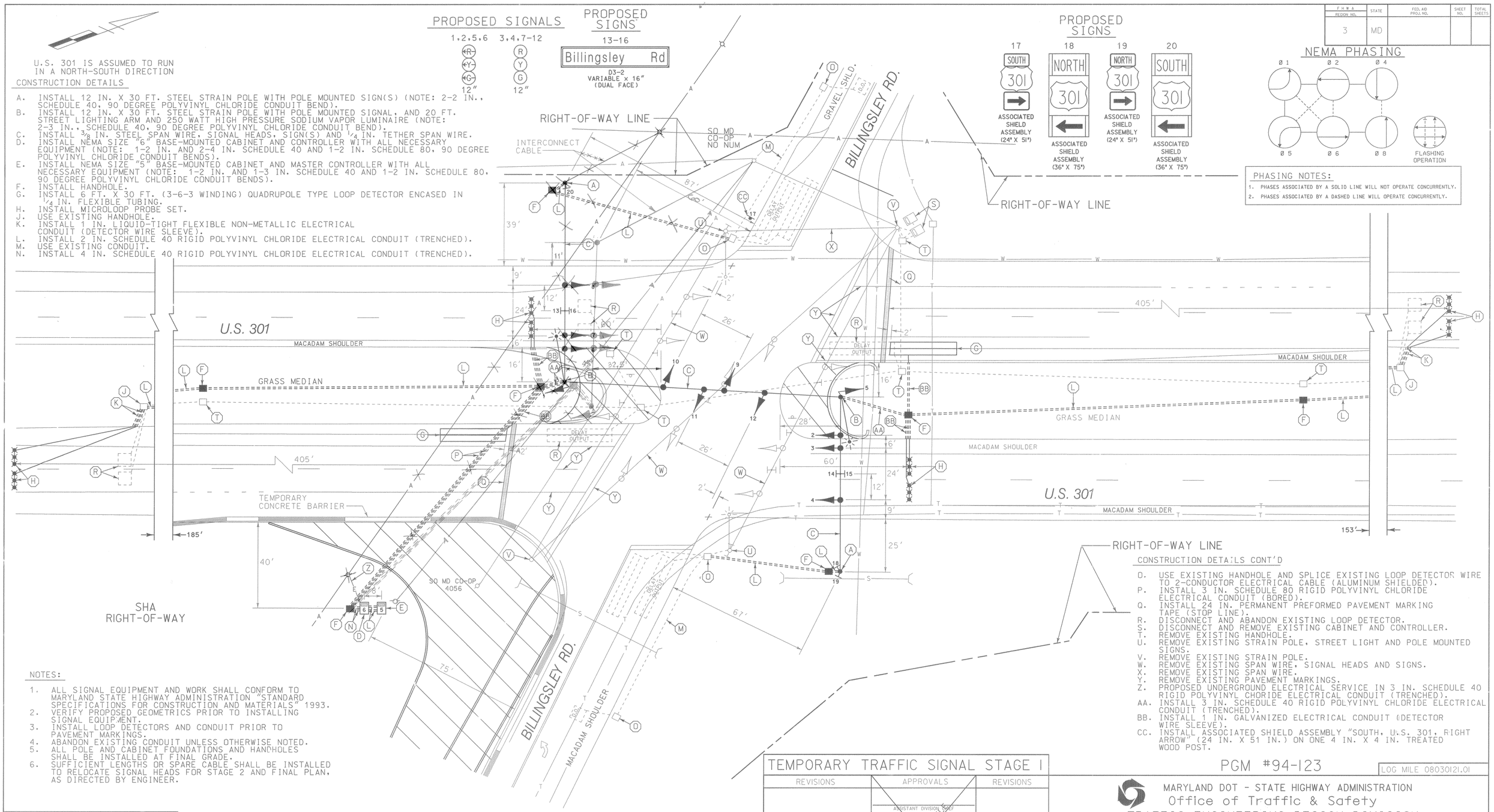
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

U.S. 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

CONSTRUCTION DETAILS

A. INSTALL 12 IN. X 30 FT. STEEL STRAIN POLE WITH POLE MOUNTED SIGN(S) (NOTE: 2-2 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
B. INSTALL 12 IN. X 30 FT. STEEL STRAIN POLE WITH POLE MOUNTED SIGNAL, AND 20 FT. STREET LIGHTING ARM AND 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 2-3 IN., SCHEDULE 40, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND).
C. INSTALL 3/8 IN. STEEL SPAN WIRE, SIGNAL HEADS, SIGN(S) AND 1/4 IN. TETHER SPAN WIRE.
D. INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 1-2 IN. AND 2-4 IN. SCHEDULE 40 AND 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS).
E. INSTALL NEMA SIZE "5" BASE-MOUNTED CABINET AND MASTER CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 1-2 IN. AND 1-3 IN. SCHEDULE 40 AND 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BENDS).
F. INSTALL HANDHOLE.
G. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
H. INSTALL MICROLOOP PROBE SET.
J. USE EXISTING HANDHOLE.
K. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
L. INSTALL 2 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
M. USE EXISTING CONDUIT.
N. INSTALL 4 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).



NOTES:

1. ALL SIGNAL EQUIPMENT AND WORK SHALL CONFORM TO MARYLAND STATE HIGHWAY ADMINISTRATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS" 1993.
2. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
3. INSTALL LOOP DETECTORS AND CONDUIT PRIOR TO PAVEMENT MARKINGS.
4. ABANDON EXISTING CONDUIT UNLESS OTHERWISE NOTED.
5. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
6. SUFFICIENT LENGTHS OR SPARE CABLE SHALL BE INSTALLED TO RELOCATE SIGNAL HEADS FOR STAGE 2 AND FINAL PLAN, AS DIRECTED BY ENGINEER.

CONSTRUCTION DETAILS CONT'D

O. USE EXISTING HANDHOLE AND SPLICE EXISTING LOOP DETECTOR WIRE TO 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED).
P. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
Q. INSTALL 24 IN. PERMANENT PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
R. DISCONNECT AND ABANDON EXISTING LOOP DETECTOR.
S. DISCONNECT AND REMOVE EXISTING CABINET AND CONTROLLER.
T. REMOVE EXISTING HANDHOLE.
U. REMOVE EXISTING STRAIN POLE, STREET LIGHT AND POLE MOUNTED SIGNS.
V. REMOVE EXISTING STRAIN POLE.
W. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGNS.
X. REMOVE EXISTING SPAN WIRE.
Y. REMOVE EXISTING PAVEMENT MARKINGS.
Z. PROPOSED UNDERGROUND ELECTRICAL SERVICE IN 3 IN. SCHEDULE 40 RIGID POLYVINYL CHORIDE ELECTRICAL CONDUIT (TRENCHED).
AA. INSTALL 3 IN. SCHEDULE 40 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
BB. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
CC. INSTALL ASSOCIATED SHIELD ASSEMBLY "SOUTH, U.S. 301, RIGHT ARROW" (24 IN. X 51 IN.) ON ONE 4 IN. X 4 IN. TREATED WOOD POST.

PGM #94-123

LOG MILE 0803012I.01

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

TEMPORARY TRAFFIC SIGNAL STAGE I

REVISIONS	APPROVALS	REVISIONS
(B) TEMPORARY TRAFFIC SIGNAL - STAGE I 3/97	ASSISTANT DIVISION CHIEF	
NML	ASST. DISTRICT ENGINEER, TRAFFIC	
(A) INSTALL E/P LEFT TURN FOR N.B. AND S.B. U.S. 301 6/94	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
MEL	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 301 AND BILLINGSLEY ROAD

DATE: 3-21-97	DRAWN BY: S.BARBABIWSKI	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY: R. ZACHERL	S.H.A. NO.		TS-2484X-1	1 OF 6
APPROVED BY:	CHECKED BY:	COUNTY	CHARLES		

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