DRILL HOLES

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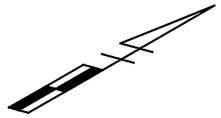
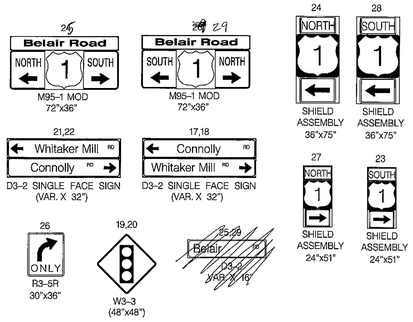
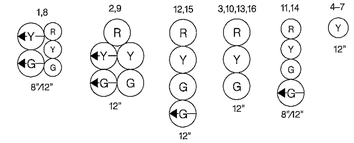


US 1 IS ASSUMED TO RUN
IN A NORTH–SOUTH DIRECTION

EXISTING SIGNS

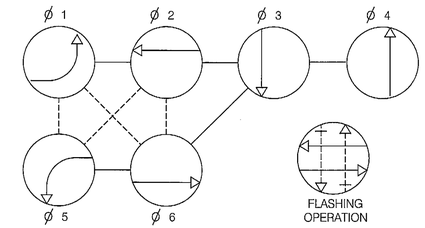


EXISTING SIGNALS

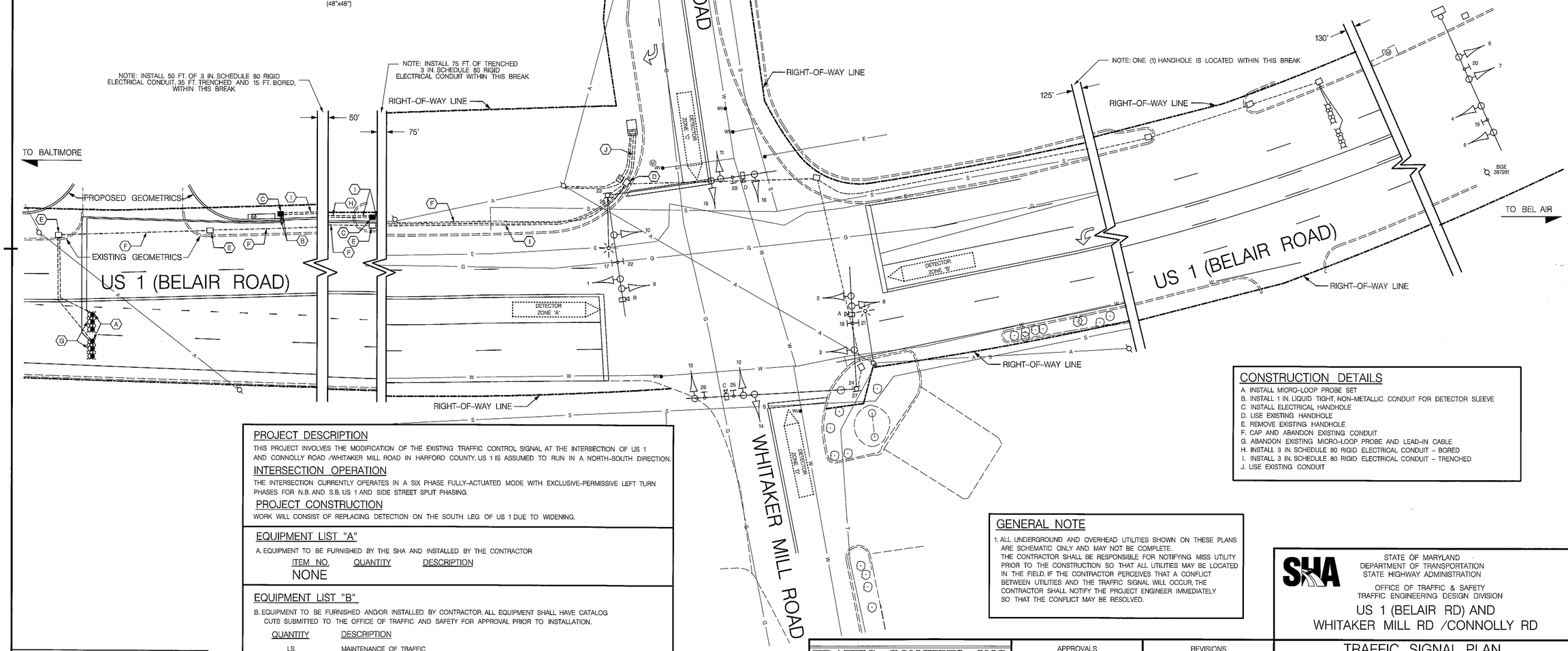


EXISTING VIDEO DETECTION CAMERA

NEMA PHASING



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



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 1 AND CONNOLLY ROAD /WHITAKER MILL ROAD IN HARFORD COUNTY. US 1 IS ASSUMED TO RUN IN A NORTH–SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A SIX PHASE FULLY–ACTUATED MODE WITH EXCLUSIVE–PERMISSIVE LEFT TURN PHASES FOR N.B. AND S.B. US 1 AND SIDE STREET SPLIT PHASING.

PROJECT CONSTRUCTION

WORK WILL CONSIST OF REPLACING DETECTION ON THE SOUTH LEG OF US 1 DUE TO WIDENING.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
270 LF	3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
30 LF	3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
2 EA	ELECTRICAL HANDHOLE
10 LF	1 IN. LIQUID TIGHT, FLEXIBLE, NON–METALLIC CONDUIT FOR DETECTOR SLEEVE
2 EA	MICRO LOOP PROBE SET WITH 500 FT. LEAD–IN CABLE
290 LF	SAW CUT FOR MICRO LOOP PROBE SET

CONSTRUCTION DETAILS

A. INSTALL MICRO–LOOP PROBE SET
B. INSTALL 1 IN. LIQUID TIGHT, NON–METALLIC CONDUIT FOR DETECTOR SLEEVE
C. INSTALL ELECTRICAL HANDHOLE
D. USE EXISTING HANDHOLE
E. REMOVE EXISTING HANDHOLE
F. CAP AND ABANDON EXISTING CONDUIT
G. ABANDON EXISTING MICRO–LOOP PROBE AND LEAD–IN CABLE
H. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – BORED
I. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
J. USE EXISTING CONDUIT

GENERAL NOTE

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.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923–7101
FAX: (410) 923–6473
TRAFFIC@TRAFFIC–CONCEPTS.COM

APPROVALS

TEAM LEADER — ORIGINAL ON FILE
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

E	INSTALL NEW MICRO LOOP PROBES ON SOUTH LEG OF INTERSECTION	
6–22–09	SHA. NO. BW–996M82	
JKS	TMZ	
D	RECONSTRUCT SIGNAL DUE TO NEW GEOMETRICS	
03–07		HA2525176
KJS		
C	INSTALLATION OF A H.I.B. FOR NB AND SB US1	
8–13–97		

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

US 1 (BELAIR RD) AND
WHITAKER MILL RD /CONNOLLY RD

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 1–21–92 CONTRACT NO. AW278A58 /AW278B58

DESIGNED BY	G. GEDNOMKI	COUNTY	HARFORD
DRAWN BY	G. GEDNOMKI	LOGMILE	12000102.35
CHECKED BY		T.I.M.S. NO.	
F.A.P. NO.	N/A	TOD NO.	

DRAWING NO. TS– 3190 E

SHEET NO. 1 OF 1

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DATE: Monday, August 10, 2009 AT 03:25 PM