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

EXISTING SIGNS

21,25,26 — R3-5L (ONLY) 30"x36"
27 — R3-5(1) (ONLY) 30"x36"
22,28 — R3-5R (ONLY) 30"x36"
23 — NORTH 301 — SHIELD ASSEMBLY 48"x75"
24 — NORTH 301 — SHIELD ASSEMBLY 30"x51"
20 — SOUTH 301 — SHIELD ASSEMBLY 30"x51"
29 — SOUTH 301 — SHIELD ASSEMBLY 48"x75"
14,16,17,19 — Billingsley Rd — D3-2 DUAL FACE SIGN VAR.x16"
15,18 — R4-7 (36" X 48")

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 301 AND BILLINGSLEY ROAD IN CHARLES COUNTY. US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES AS A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR THE US 301 APPROACHES AND SIDE STREET SPLIT PHASING.
THIS PHASING WILL NOT CHANGE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE REPLACING THE PASSAGE DETECTION FOR EASTBOUND BILLINGSLEY ROAD.

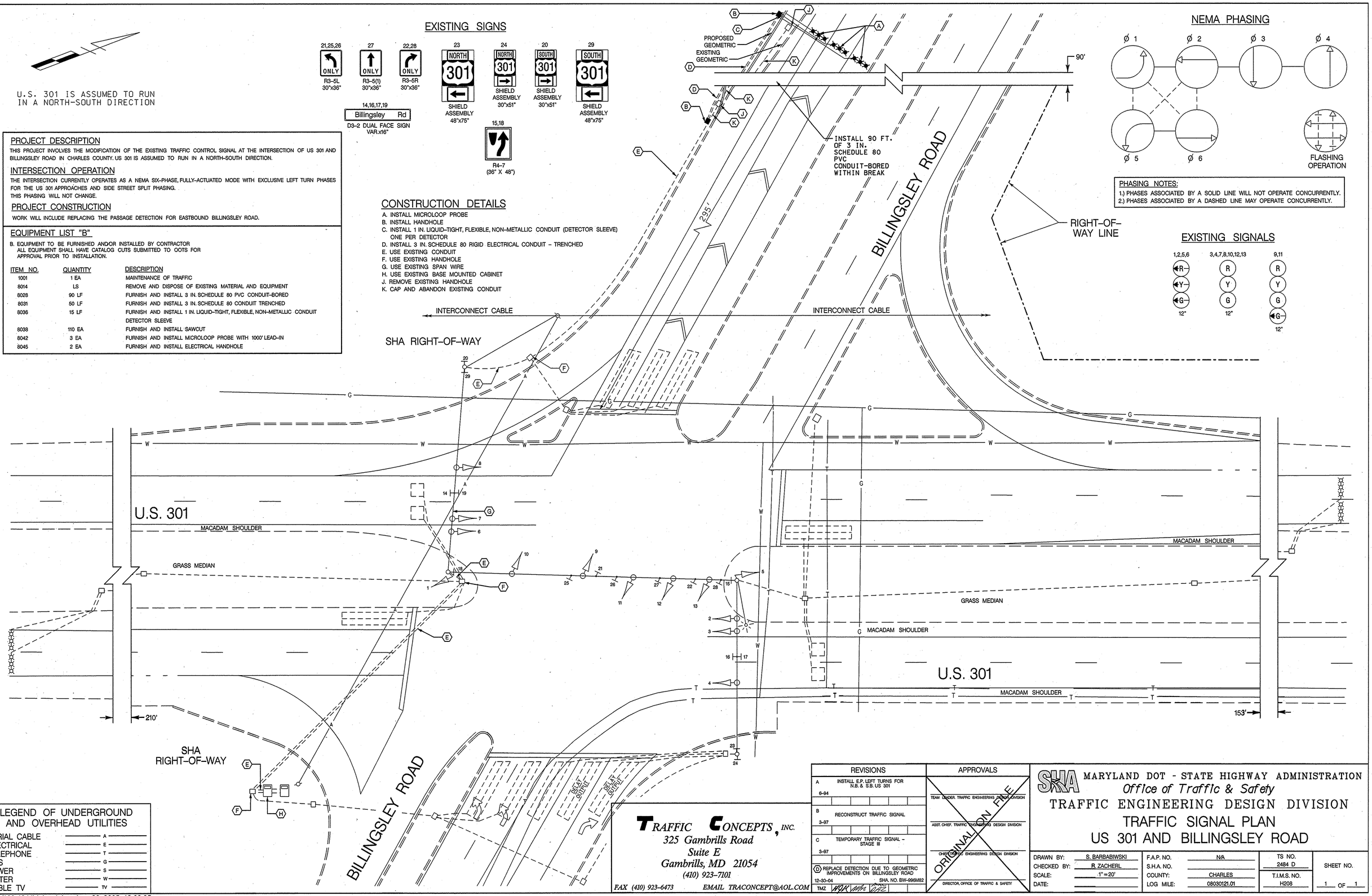
EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8014	LS	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8028	90 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 PVC CONDUIT-BORED
8031	50 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 CONDUIT TRENCHED
8036	15 LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT DETECTOR SLEEVE
8038	110 EA	FURNISH AND INSTALL SAWCUT
8042	3 EA	FURNISH AND INSTALL MICROLOOP PROBE WITH 1000' LEAD-IN
8045	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

CONSTRUCTION DETAILS

A. INSTALL MICROLOOP PROBE
B. INSTALL HANDHOLE
C. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT (DETECTOR SLEEVE) ONE PER DETECTOR
D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
E. USE EXISTING CONDUIT
F. USE EXISTING HANDHOLE
G. USE EXISTING SPAN WIRE
H. USE EXISTING BASE MOUNTED CABINET
J. REMOVE EXISTING HANDHOLE
K. CAP AND ABANDON EXISTING CONDUIT



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.

EXISTING SIGNALS

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 EMAIL TRACONCEPT@AOL.COM

REVISIONS		
A	INSTALL E.P. LEFT TURNS FOR N.B. & S.B. US 301	6-94
B	RECONSTRUCT TRAFFIC SIGNAL	3-97
C	TEMPORARY TRAFFIC SIGNAL - STAGE III	3-97
D	REPLACE DETECTION DUE TO GEOMETRIC IMPROVEMENTS ON BILLINGSLEY ROAD	12-30-04

SHA NO. BW-996M82
TMZ

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
US 301 AND BILLINGSLEY ROAD

DRAWN BY:	S. BARBABIWSKI	F.A.P. NO.	N/A	TS NO. 2484 D	SHEET NO.
CHECKED BY:	R. ZACHERL	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	CHARLES	T.I.M.S. NO. H208	1 OF 1
DATE:		LOG MILE:	08030121.01		

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