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

BROKEN LAND PARKWAY IS ASSUMED TO RUN IN A NORTH–SOUTH DIRECTION

SIGNALS

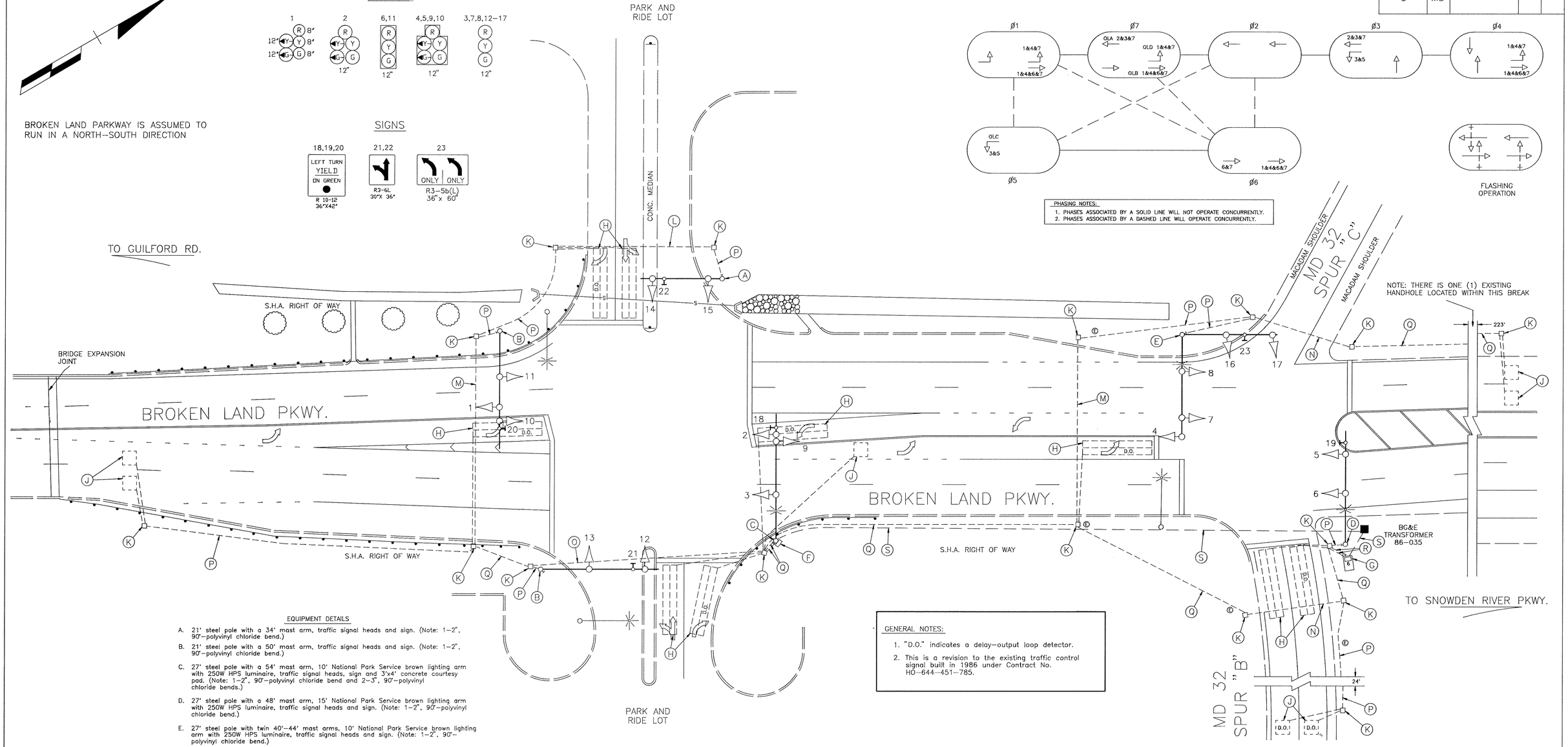
SIGNS

PHASING

PHASING NOTES:

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

FLASHING OPERATION



EQUIPMENT DETAILS

A. 21' steel pole with a 34' mast arm, traffic signal heads and sign. (Note: 1–2", 90°–polyvinyl chloride bend.)

B. 21' steel pole with a 50' mast arm, traffic signal heads and sign. (Note: 1–2", 90°–polyvinyl chloride bend.)

C. 27' steel pole with a 54' mast arm, 10' National Park Service brown lighting arm with 250W HPS luminaire, traffic signal heads, sign and 3'x4' concrete courtesy pad. (Note: 1–2", 90°–polyvinyl chloride bend and 2–3", 90°–polyvinyl chloride bends.)

D. 27' steel pole with a 48' mast arm, 15' National Park Service brown lighting arm with 250W HPS luminaire, traffic signal heads and sign. (Note: 1–2", 90°–polyvinyl chloride bend.)

E. 27' steel pole with twin 40'–44' mast arms, 10' National Park Service brown lighting arm with 250W HPS luminaire, traffic signal heads and sign. (Note: 1–2", 90°–polyvinyl chloride bend.)

F. Pole–mounted "G" size cabinet with all necessary equipment.

G. Base–mounted cabinet and controller with all necessary equipment. (Note: 1–2", 90° polyvinyl chloride bend and 2–4", 90° polyvinyl chloride bends.)

H. 6'x30' loop detector encased in 1/4" flexible tubing quadrupole type (2–4–2).

J. 6'x6' loop detector encased in 1/4" flexible tubing (3–turns).

K. Handhole.

L. 2" polyvinyl chloride electrical conduit (Schedule 80)(bored)

M. 3" polyvinyl chloride electrical conduit (Schedule 80)(slotted).

N. 3" polyvinyl chloride electrical conduit (Schedule 80)(bored).

O. 3" polyvivyl chloride electrical conduit (Schedule 80)(trenched)

P. 2" polyvinyl chloride electrical conduit (Schedule 40)(trenched).

Q. 3" polyvinyl chloride electrical conduit (Schedule 40)(trenched).

R. 4" polyvinyl chloride electrical conduit (Schedule 40)(trenched).

S. Underground electrical service by BG&E.

GENERAL NOTES:

1. "D.O." indicates a delay–output loop detector.
2. This is a revision to the existing traffic control signal built in 1986 under Contract No. HO–644–451–785.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

STATE OF MARYLAND — DAVID ALLEN KEY — REGISTERED PROFESSIONAL ENGINEER

STREET TRAFFIC STUDIES, LTD.
Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
(410) 859–3553

2969

REVISIONS

D 3–19–96 ASBUILT
SHA NO.: HO 758–201–781
RRZ

C 1–16–95 RECONSTRUCT SIGNALS DUE TO NEW PARK & RIDE LOT AND REVISE PHASING
SHA NO.: HO 758–201–781
RRZ

B 2–18–93 ADDED SIGNAL AT PARK AND RIDE LOT, REVISED PHASING.
SHA NO.: HO–630–501–770
RRZ

APPROVALS

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

ORIGINAL ON FILE

MDOT – STATE HIGHWAY ADMINISTRATION

Office of Traffic and Safety

TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL NUMBER:
LOG MILE: 13116102.01

DRAWN BY: GENE SIMMERS
DES. BY: GENE SIMMERS
CHK. BY: STEVE RENZI

BROKEN LAND PKWY. AND MD 32 (SPUR "B") / PARK AND RIDE LOT
COUNTY HOWARD

DATE: 2–27–86
SCALE: 1"=20'
F.A.P. NO.
S.H.A. NO. HO–644–451–785.

TS/STD. NO. 2158D

SHEET NO. ___ OF ___