US 301 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

## EXISTING SIGNS

| 13,18,15,21 | 17,23 | 19 | 22 |
|---|---|---|---|
| R3-5(L) (30" x 36") | R3-5(R) (30" x 36") | R3-6(R) (30" x 36") | R3-6(L) (30" x 36") |

14a,14b,16a,16b — Acton Lane — D3-2 DUAL FACED (VARIABLE x 16")

20a,20b,24a,24b — Crain HWY — D3-2 DUAL FACED (VARIABLE x 16")

## EXISTING SIGNALS

1,2,5,6 — 12" 3,4,7,8,10,12 — 12" 9,11 — 12"

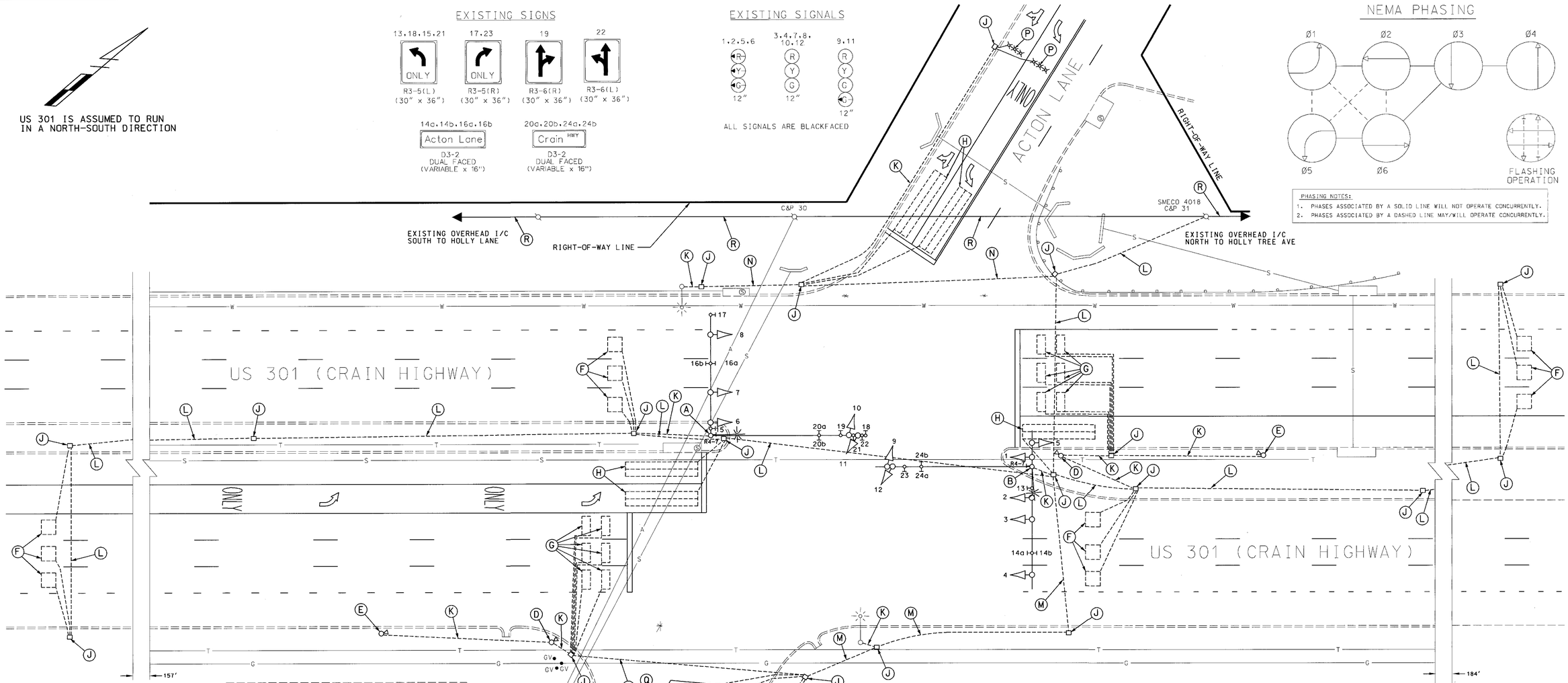
ALL SIGNALS ARE BLACKFACED

## NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

FLASHING OPERATION

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




EQUIPMENT DETAILS

A. 27' steel pole with 50'- 64' mast arms, traffic signal heads, signs, 10' lighting arm with a 250W-HPS luminaire. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend).

B. 27' steel pole with triple 14'- 50'- 64' mast arms, traffic signal heads, signs, 10' lighting arm with a 250W-HPS luminaire. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend).

C. NEMA size "6" base-mounted cabinet and controller, control and distribution with all necessary equipment as shown. (Note: 2-4", 90°polyvinyl chloride (Schedule 80) bends and 1-3" galvanized steel bend).

D. 10' breakaway pedestal pole with remote flash. (Note: 2-2", 90°polyvinyl chloride (Schedule 80) bends).

E. 10' breakaway pedestal pole with red light camera. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend).

F. 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).

G. 3.5' x 8' loop detector encased in 1/4" flexible tubing (4-turns).

H. 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).

J. Handhole.

K. 2" polyvinyl chloride electrical conduit (Schedule 80).

L. 3" polyvinyl chloride electrical conduit (Schedule 80).

M. 4" polyvinyl chloride electrical conduit (Schedule 80).

N. 2" galvanized steel electrical conduit

O. 3" galvanized steel electrical conduit

P. Micro-loop probe set.

Q. Underground electrical service by SMECO.

R. Overhead 12-pair interconnect cable.

GENERAL NOTES:
1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISION "F" ASBUILT

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4081.dgn

| REVISIONS | |
|---|---|
| F | 11/28/01 ASBUILT FOR RED-LIGHT CAMERA INSTALLATION SHA RQ:1 RRZ |
| E | 9-3-99 ADD LOOP DETECTOR & SIGN S.H.A. No. BW996M82 FJH |
| D | 7-4-98 REPLACE DETECTION ON E.B. ACTON LA. DUE TO WIDENING TMZ |

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

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

US 301 (CRAIN HWY) AND ACTON LANE

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | V.Y. | F.A.P. NO. | | TS NO. | SHEET NO. |
| CHECKED BY: | T.A.R. | S.H.A. NO. | BW-623-801-512 | 1825E | 1 OF 1 |
| SCALE: | 1"= 20' | COUNTY: | CHARLES | T.I.M.S. NO. | |
| DATE: | JAN 1982 | LOG MILE: | 08030124.46 | | |

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