

PROJECT DESCRIPTION

I. GENERAL

This project involves the relocation of the existing southbound advance HIB for the intersection of US 301 and MD 381 in Prince George's County, Maryland. US 301 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The existing HIB is to be relocated to a new foundation approximately 115 feet south of its existing location.

Anchor bolt size and bolt circle dimension to be field verified prior to installation.

The existing pole, signal heads, sign, cabinet/controller, and electrical meter/disconnect are to be utilized.

III. SPECIAL NOTE:

The Contractor shall notify Mr. Robert Snyder of SHA at 410-787-7635 to arrange for a new phone drop installation.

The Contractor is to provide Mr. Snyder with the nearest street number, zip code, and telephone number.

CONTACT LIST

The contact persons for District #3 are as follows:

PG - Mr. Brian Young
Assistant District Engineer - Traffic
PG - 301-513-7358

Mr. Augie Rebish
Assistant District Engineer - Utility
301-513-7350

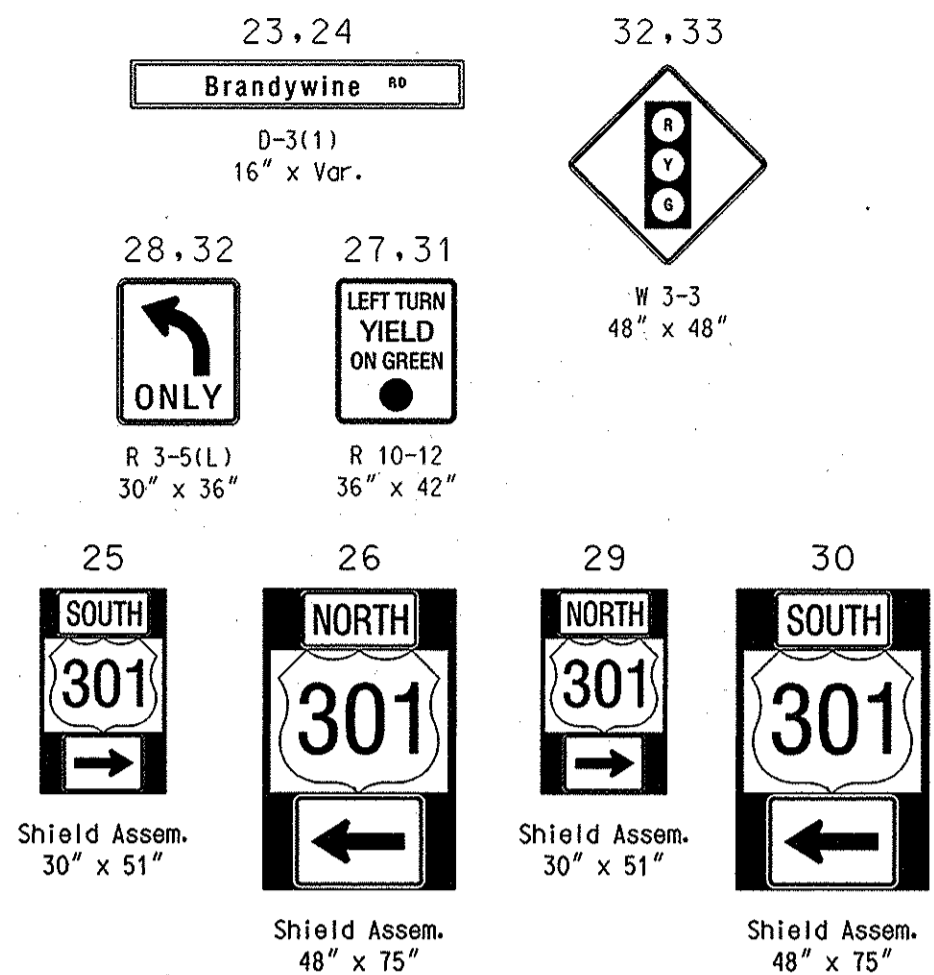
Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
301-513-7304

Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

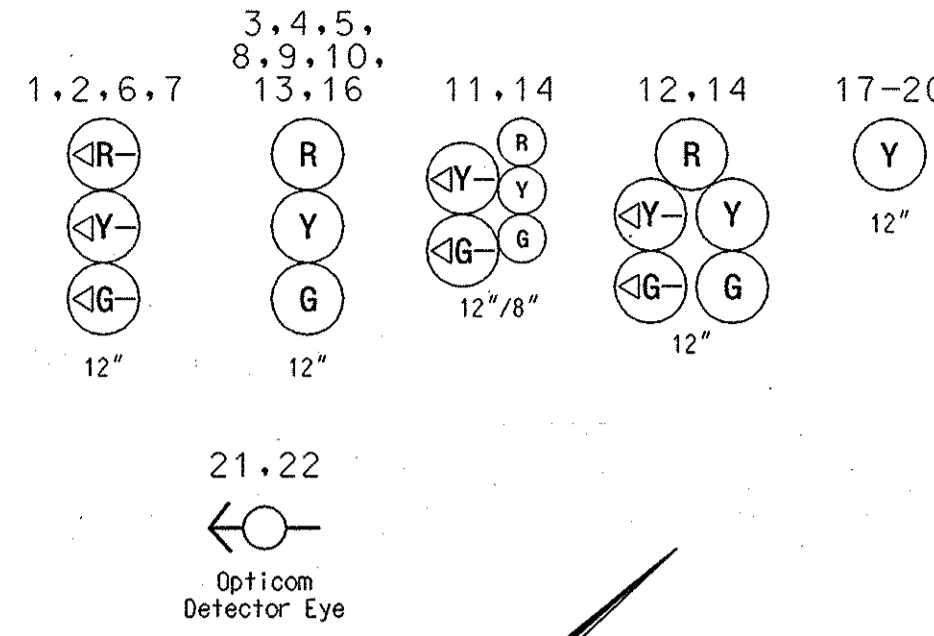
The Power Company Representative is:
SMECO

Mr. Chuck Stone
4415 Crain Highway
White Plains, Maryland 20695
301-705-8686

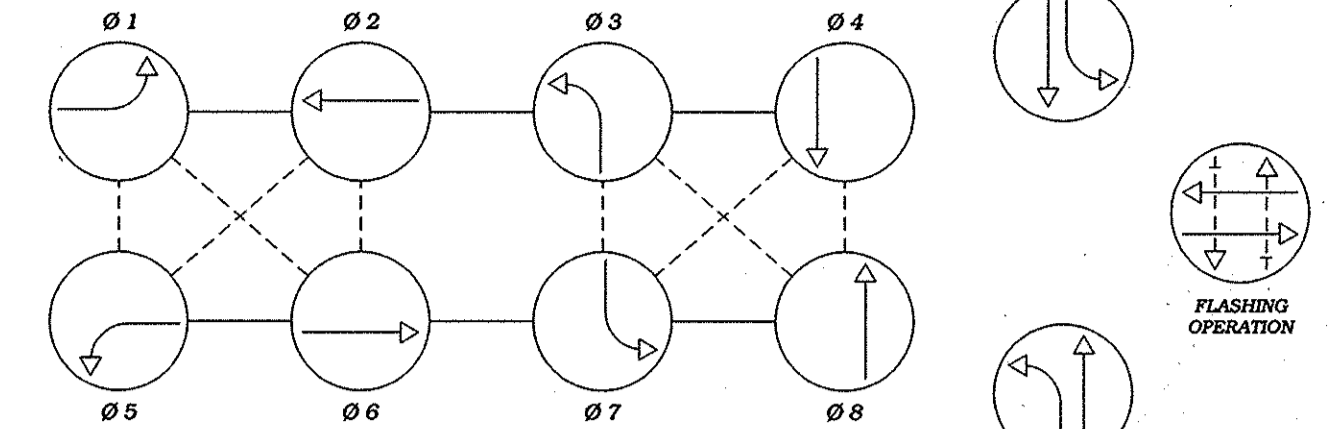
EXISTING SIGNS



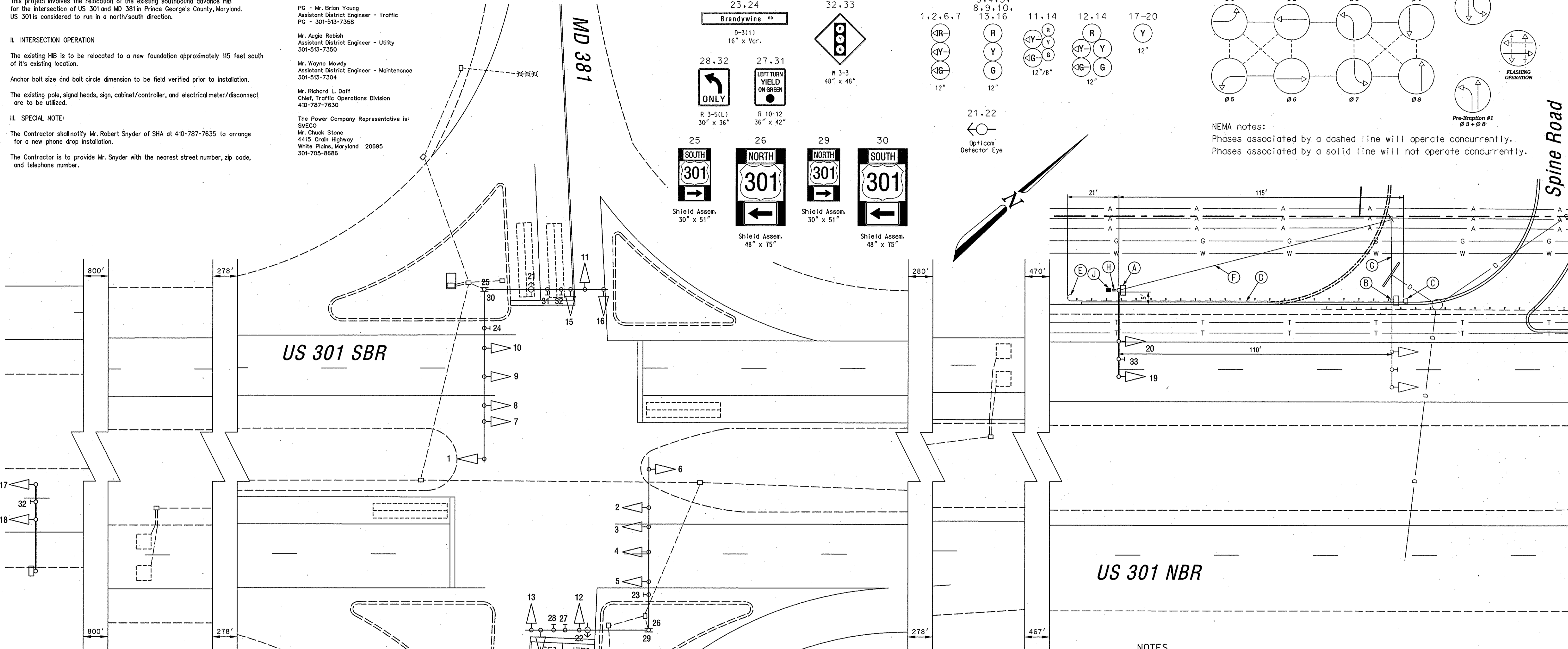
EXISTING SIGNALS



EXISTING NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.



EQUIPMENT LIST

B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
4	EA	818	Anchor bolts (size to be field verified prior to installation).
1	CY	205	Test pit excavation.
1	EA	811	Handhole.
10	LF	804	Bare copper stranded ground wire (No. 6 A.W.G.).
5	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
4	CY	801	Concrete foundation for traffic signal equipment.
1	EA	804	Ground rod - 3/4 in. diameter x 10 ft. length.
1	EA	---	Remove and dispose of existing concrete foundation 12 inches below grade.
135	LF	605	W-beam traffic barrier (to include posts as required)
1	EA	606	W-beam Type-C end treatment
1	EA	606	W-beam Type-I end treatment
Lump Sum	LS	---	Relocate existing mast arm pole and all attached equipment.
Lump Sum	LS	---	As-built for SHA (on CADD)

CONSTRUCTION DETAILS

- Install new foundation for existing mast arm (anchor bolt size and bolt circle dimension to be field verified prior to installation).
- Relocate existing mast arm and all attached equipment to new foundation. Remove existing pole foundation 12 inches below grade.
- Install Type-C end treatment (SHA Std. No. MD 605.03).
- Install W-beam (SHA Std. No. MD 605.22) and post (SHA Std. No. MD 605.23-01).
- Install Type-I end section (SHA Std. No. MD 605.20).
- Proposed overhead electrical service to be provided by SMECO.
- Existing overhead electrical service to be removed by SMECO.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install handhole with grounding rod.

NOTES

- Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Revision 'J' is a revision to the traffic signal built in June, 1972 under S.H.A. Contract No.: P269X-335.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND	
---	EXISTING GEOMETRICS
---	PROPOSED GEOMETRICS

UTILITY LEGEND	
---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	STORM DRAIN
---	AERIAL CABLES
---	TELEPHONE CABLES

Revision "J"

The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS		APPROVALS	
①	Relocated SB US 301 HIB. S.H.A. No. 18W936M2	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
H	E/P Left Turn Phases for MD 381. S.H.A. No. 1AT3565185	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
G	Exclusive Left Turn Phases for US 301. S.H.A. No. 1X1065285	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
WM	MAR	DAZ	BRK

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
US 301 at MD 381

DRAWN BY: J. Bober	F.A.P. NO. N/A	TS NO. 596-J	SHEET NO. 1 OF 1
CHECKED BY: ---	S.H.A. NO. P269X-335	T.I.M.S. NO. I-061	
SCALE: 1" = 20'	COUNTY: Prince George's		
DATE: June 5, 1972	LOG MILE: 160.30103.12		