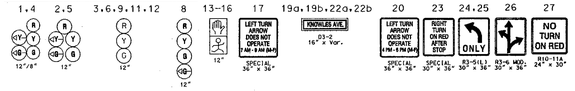
MD 185 RUNS IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNALS & SIGNS



PROPOSED SIGNALS & SIGNS

PROJECT DESCRIPTION

I. GENERAL:

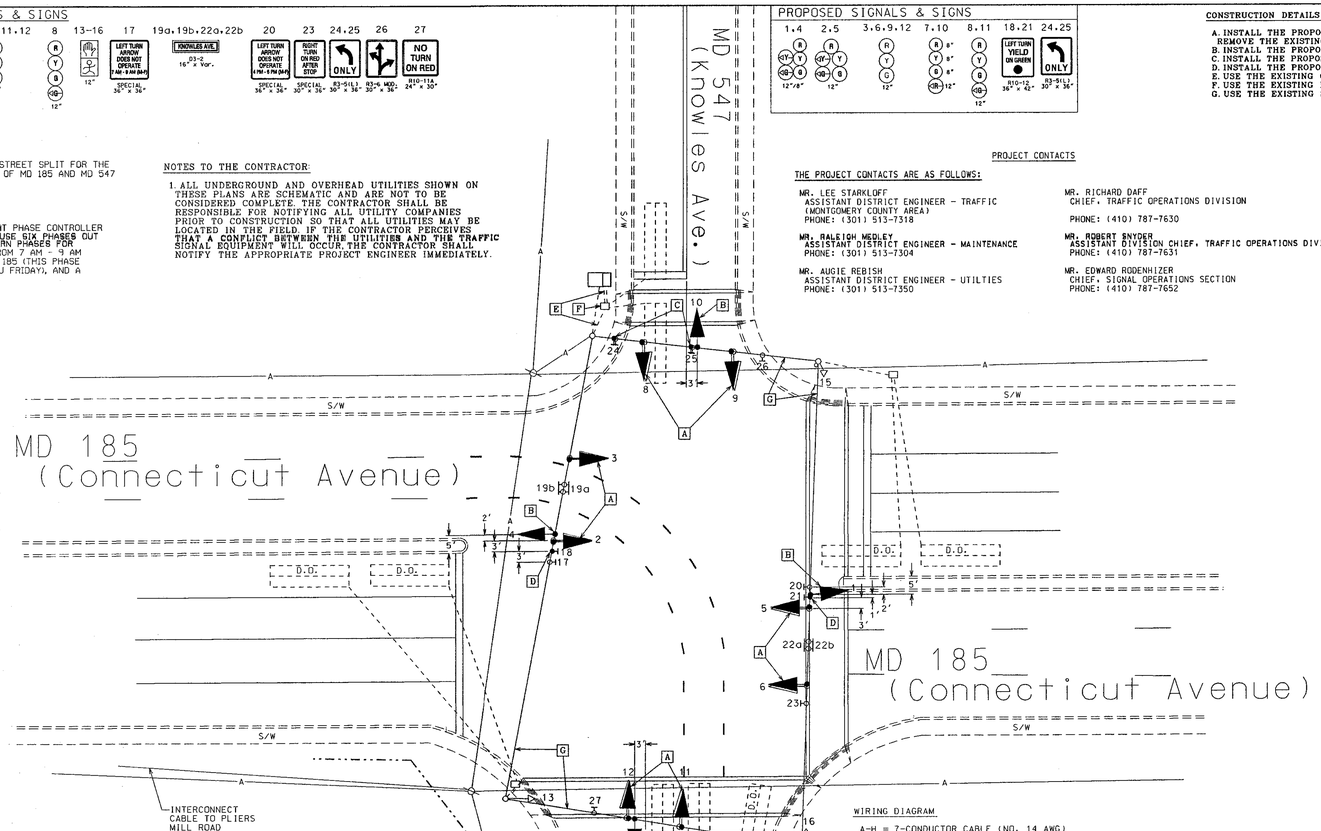
THIS PROJECT INVOLVES INSTALLING A SIDE STREET SPLIT FOR THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 185 AND MD 547 IN MONTGOMERY COUNTY.
MD 185 RUNS IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION:

THIS INTERSECTION IS EQUIPPED WITH A EIGHT PHASE CONTROLLER HOUSED IN A POLE MOUNTED CABINET. IT WILL USE SIX PHASES OUT OF EIGHT WITH EXCLUSIVE/ PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND 185 (THIS PHASE WILL NOT WORK FROM 7 AM - 9 AM MONDAY THRU FRIDAY), AND FOR SOUTHBOUND MD 185 (THIS PHASE WILL NOT WORK FROM 4 PM - 6 PM MONDAY THRU FRIDAY), AND A SIDE STREET SPLIT FOR MD 547.

NOTES TO THE CONTRACTOR:

1. 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.



PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. LEE STARKLOFF
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(MONTGOMERY COUNTY AREA)
PHONE: (301) 513-7318

MR. RALEIGH NEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILTIES
PHONE: (301) 513-7350

MR. RICHARD DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION

PHONE: (410) 787-7630

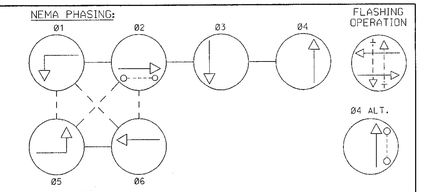
MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

CONSTRUCTION DETAILS

A. INSTALL THE PROPOSED BLACK FACED SIGNAL HEAD.
REMOVE THE EXISTING SIGNAL HEAD
B. INSTALL THE PROPOSED BLACK FACED SIGNAL HEAD.
C. INSTALL THE PROPOSED SIGN. REMOVE THE EXISTING SIGN.
D. INSTALL THE PROPOSED SIGN.
E. USE THE EXISTING CONDUIT.
F. USE THE EXISTING HANDHOLE.
G. USE THE EXISTING SPAN WIRE.

NEMA PHASING:



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

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13-14	15-16
PHASE 1 & 5	◀G - R	◀G - R	R	◀G - R	◀G - R	R	R	R	R	R	R	R	DW	DW
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6													
PHASE 1 & 6	◀G - G	◀G - G	G	R	R	R	R	R	R	R	R	R	DW	DW
1 CHANGE	◀Y - G	◀Y - G	G	R	R	R	R	R	R	R	R	R	DW	DW
PHASE 2 & 5	R	R	R	◀G - G	◀G - G	G	R	R	R	R	R	R	WK	DW
5 CHANGE	R	R	R	◀Y - G	◀Y - G	G	R	R	R	R	R	R	WK	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	DW
PED. CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	◀G - G	◀G - G	G	DW	DW
3 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW
PHASE 4	R	R	R	R	R	R	◀G - G	◀G - G	G	R	R	R	DW	DW
4 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
4 ALT.	R	R	R	R	R	R	◀G - G	◀G - G	G	R	R	R	DW	WK
PED. CLEAR	R	R	R	R	R	R	◀G - G	◀G - G	G	R	R	R	DW	FL/DW
4 ALT. CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK

EQUIPMENT LISTS

B EQUIPMENT TO BE FURNISHED BY THE SHA

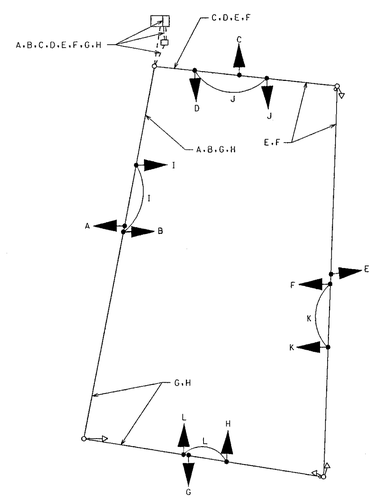
ITEM NO.	QUANTITY	DESCRIPTION
	36 S.F.	2 EACH R10-12 SIGN. 36" x 42". SPAN MOUNTED HARDWARE 2 EACH R3-5 SIGN. 30" x 36". SPAN MOUNTED HARDWARE

A EQUIPMENT TO BE FURNISHED AND/ OR INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8011	36 EACH	F & I 12" BLACK FACED VECHICULAR SIGNAL HEAD SECTION
8019	12 EACH	F & I 8" BLACK FACED VECHICULAR SIGNAL HEAD SECTION
8048	1 EACH	REMOVE & DISPOSE OF EXISTING MATERIAL & EQUIPMENT PER ASSIGNMENT
8077	36 S.F.	INSTALL OVERHEAD MOUNTED SIGN
8086	120 L.F.	F & I ELECTRICAL CABLE - 5-CONDUCTOR CABLE (NO. 14 AWG)
8087	1,510 L.F.	F & I ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)

WIRING DIAGRAM

A-H = 7-CONDUCTOR CABLE (NO. 14 AWG)
I-L = 5-CONDUCTOR CABLE (NO. 14 AWG)



NOTES TO THE MONTGOMERY COUNTY SIGNAL SHOP:

1. THE MONTGOMERY COUNTY SIGNAL SHOP SHALL REWIRE THE PEDESTRIAN PHASE TO OPERATE AS AN STANDARD Ø4 PEDESTRIAN PHASE AND DELETE THE Ø3 & Ø4 PEDESTRAIN OPERATION.

UTILITY LEGEND

G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
D	STORM DRAIN

REVISIONS

B. 04/2002 - PROVIDE FOR SIDE-STREET SPLIT PHASING
SHA NO. XX1065285

A. 12/16/1991 - NEARSIDE E/P SIG. HDS. AND LOOPS
SHA NO. M-630-501-380

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASSISTANT CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

NOTE: THIS IS A REVISION TO AN AN EXISTING DATED 12/ 1991 ORIGINAL ON FILE

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

MD 185 (Connecticut Avenue) and
MD 547 (Knowles Road)
KENSINGTON, MARYLAND

DRAWN BY: J.C.L. (MONTGOMERY CO.)
CHECKED BY: Dennis J. Dooley
SCALE: 1" = 20'
DATE: 12/ 1991

F.A.P. NO.
S.H.A. NO. MD 619 A5D / B5D
COUNTY MONTGOMERY
LOG MILE 15.018 & 04.24

T.S. NO. TS-2665 B
T.I.M.S. NO. F067

SHEET NO. 1 OF 1