F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	1

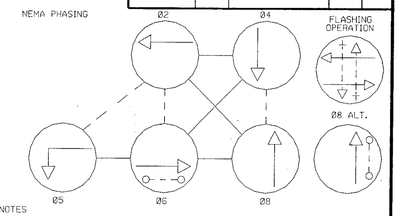
EXISTING SIGNAL AND SIGNS

PROPOSED SIGNALS AND SIGNS

WIRING DIAGRAM

A = 5 CONDUCTOR CABLE (NO. 14 AWG)
B-C = 3 CONDUCTOR CABLE (NO. 14 AWG)
D-E = 2 CONDUCTOR CABLE (NO. 14 AWG)

NEMA PHASING

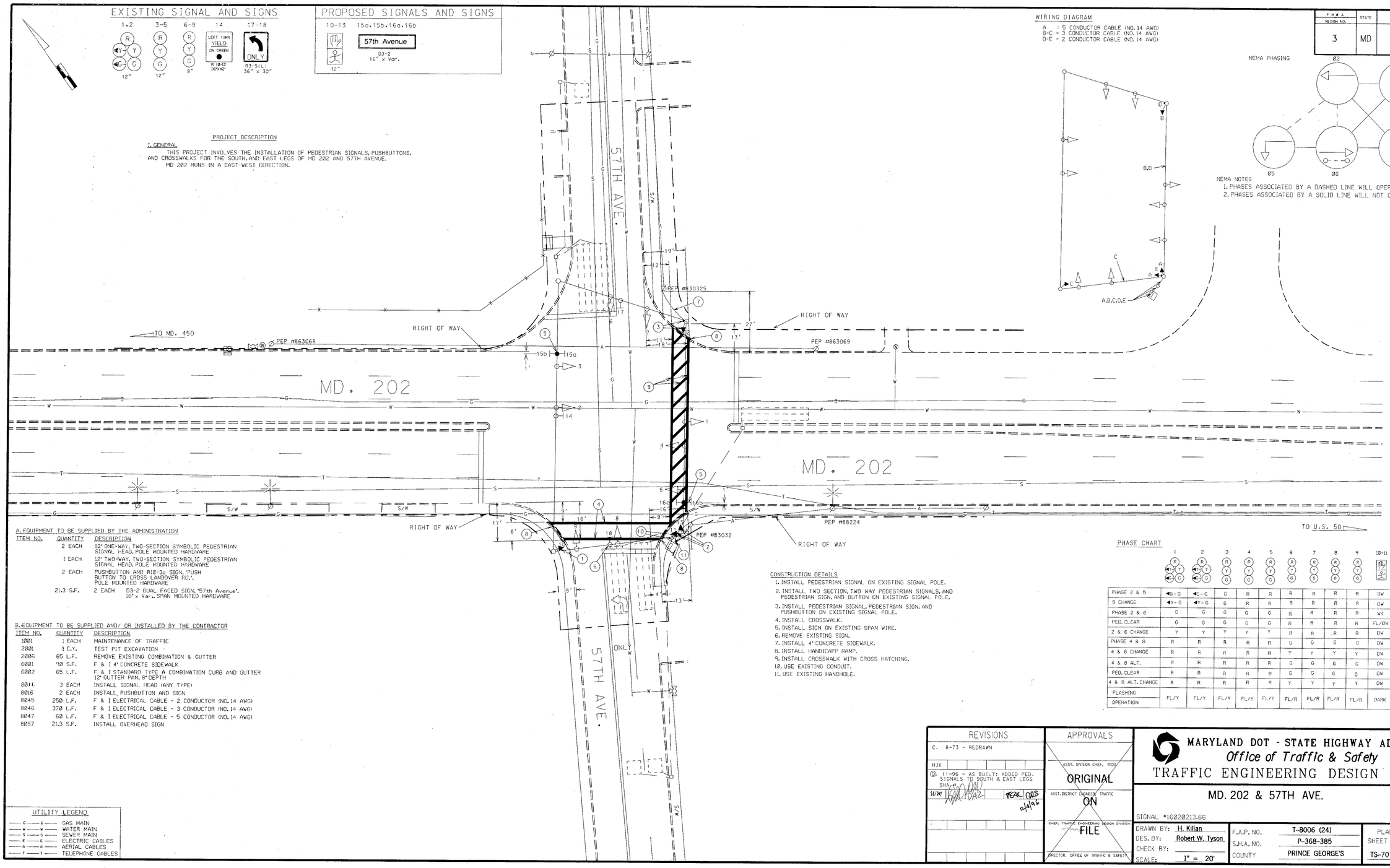


NEMA NOTES
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN SIGNALS, PUSHBUTTONS, AND CROSSWALKS FOR THE SOUTH, AND EAST LEGS OF MD 202 AND 57TH AVENUE. MD 202 RUNS IN A EAST-WEST DIRECTION.



A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	2 EACH	12" ONE-WAY, TWO-SECTION SYMBOLIC PEDESTRIAN SIGNAL HEAD, POLE MOUNTED HARDWARE
	1 EACH	12" TWO-WAY, TWO-SECTION SYMBOLIC PEDESTRIAN SIGNAL HEAD, POLE MOUNTED HARDWARE
	2 EACH	PUSHBUTTON AND R12-3c SIGN, "PUSH BUTTON TO CROSS LANDOVER RD.", POLE MOUNTED HARDWARE
	21.3 S.F.	2 EACH D3-2 DUAL FACED SIGN, "57th Avenue", 16" x Var., SPAN MOUNTED HARDWARE

B. EQUIPMENT TO BE SUPPLIED AND/ OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	TEST PIT EXCAVATION
2006	65 L.F.	REMOVE EXISTING COMBINATION & GUTTER
6001	90 S.F.	F & I 4" CONCRETE SIDEWALK
6002	65 L.F.	F & I STANDARD TYPE A COMBINATION CURB AND GUTTER 12" GUTTER PAN, 8" DEPTH
8011	3 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8016	2 EACH	INSTALL, PUSHBUTTON AND SIGN
8245	250 L.F.	F & I ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
8246	370 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8247	60 L.F.	F & I ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8257	21.3 S.F.	INSTALL OVERHEAD SIGN

CONSTRUCTION DETAILS

1. INSTALL PEDESTRIAN SIGNAL ON EXISTING SIGNAL POLE.
2. INSTALL TWO SECTION, TWO WAY PEDESTRIAN SIGNALS, AND PEDESTRIAN SIGN, AND BUTTON ON EXISTING SIGNAL POLE.
3. INSTALL PEDESTRIAN SIGNAL, PEDESTRIAN SIGN, AND PUSHBUTTON ON EXISTING SIGNAL POLE.
4. INSTALL CROSSWALK.
5. INSTALL SIGN ON EXISTING SPAN WIRE.
6. REMOVE EXISTING SIGN.
7. INSTALL 4" CONCRETE SIDEWALK.
8. INSTALL HANDICAPP RAMP.
9. INSTALL CROSSWALK WITH CROSS HATCHING.
10. USE EXISTING CONDUIT.
11. USE EXISTING HANDHOLE.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10-11	12-13
PHASE 2 & 5	◄G-G	◄G-G	G	R	R	R	R	R	R	DW	DW
5 CHANGE	◄Y-G	◄Y-G	G	R	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	WK	DW
PED. CLEAR	G	G	G	G	G	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	DW	DW
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW
4 & 8 ALT.	R	R	R	R	R	G	G	G	G	DW	WK
PED. CLEAR	R	R	R	R	R	G	G	G	G	DW	FL/DW
4 & 8 ALT. CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

REVISIONS

C. 8-73 - REDRAWN

HJK

1-1-96 - AS BUILT: ADDED PED. SIGNALS TO SOUTH & EAST LEGS SHA-#

APPROVALS

ASST. DIVISION CHIEF, TEDD

ORIGINAL

ASST. DISTRICT ENGINEER, TRAFFIC

ON

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

FILE

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD. 202 & 57TH AVE.

SIGNAL #16020213.66

DATE 8-9-73

DRAWN BY: H. Kilian	F.A.P. NO. T-8006 (24)	PLAN SHEET NO.:	SHEET NO.
DES. BY: Robert W. Tyson	S.H.A. NO. P-368-385		
CHECK BY:	COUNTY PRINCE GEORGE'S	TS-70 D	1 OF 1
SCALE: 1" = 20'			

I:\sgnl\ha4072a\m202-57t.dgn Dec. 02. 1996 10:37:24