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

EXISTING SIGNALS & SIGNS

1-6,8-12 — 12"

7 — 12"

17,18 — 12"

19a — Cheverly Ave. →

19b — ← Cheverly Ave.

D3-2 16" x Var. BACK TO BACK

20 — LEFT TURN YIELD ON GREEN — R 10-12 36"X42"

PROPOSED SIGNALS

13-16,18 — 12"

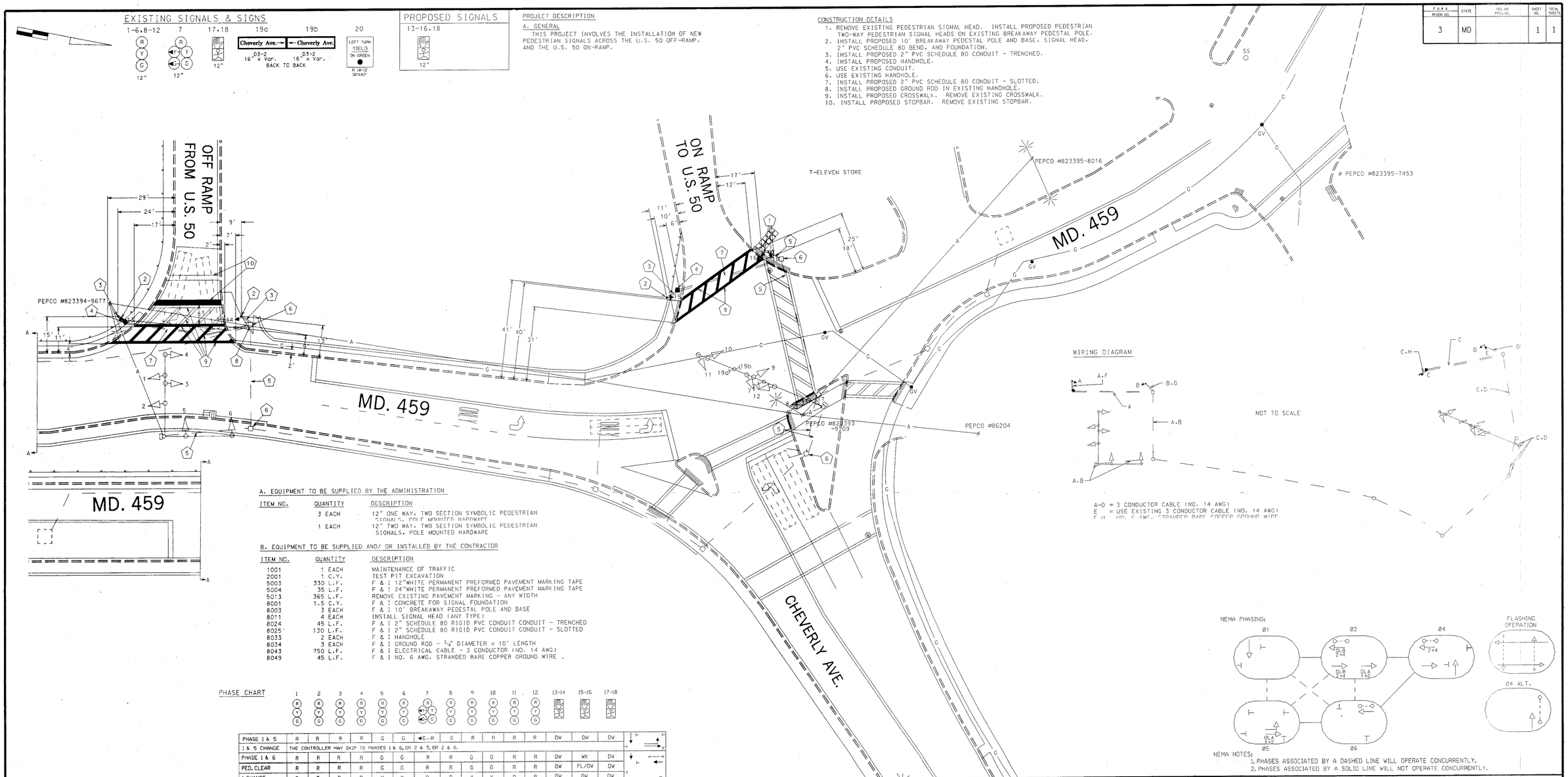
PROJECT DESCRIPTION

A. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF NEW PEDESTRIAN SIGNALS ACROSS THE U.S. 50 OFF-RAMP. AND THE U.S. 50 ON-RAMP.

CONSTRUCTION DETAILS

1. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD. INSTALL PROPOSED PEDESTRIAN TWO-WAY PEDESTRIAN SIGNAL HEADS ON EXISTING BREAKAWAY PEDESTAL POLE.
2. INSTALL PROPOSED 10' BREAKAWAY PEDESTAL POLE AND BASE. SIGNAL HEAD. 2" PVC SCHEDULE 80 BEND. AND FOUNDATION.
3. INSTALL PROPOSED 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
4. INSTALL PROPOSED HANDHOLE.
5. USE EXISTING CONDUIT.
6. USE EXISTING HANDHOLE.
7. INSTALL PROPOSED 2" PVC SCHEDULE 80 CONDUIT - SLOTTED.
8. INSTALL PROPOSED GROUND ROD IN EXISTING HANDHOLE.
9. INSTALL PROPOSED CROSSWALK. REMOVE EXISTING CROSSWALK.
10. INSTALL PROPOSED STOPBAR. REMOVE EXISTING STOPBAR.



A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	3 EACH	12" ONE WAY. TWO SECTION SYMBOLIC PEDESTRIAN SIGNALS. POLE MOUNTED HARDWARE
	1 EACH	12" TWO WAY. TWO SECTION SYMBOLIC PEDESTRIAN SIGNALS. POLE 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
5003	330 L.F.	F & I 12"WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5004	35 L.F.	F & I 24"WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5013	365 L.F.	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
8001	1.5 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8003	3 EACH	F & I 10' BREAKAWAY PEDESTAL POLE AND BASE
8011	4 EACH	INSTALL SIGNAL HEAD (ANY TYPE)
8024	45 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT CONDUIT - TRENCHED
8025	130 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT CONDUIT - SLOTTED
8033	2 EACH	F & I HANDHOLE
8034	3 EACH	F & I GROUND ROD - 3/4" DIAMETER x 10' LENGTH
8043	750 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8049	45 L.F.	F & I NO. 6 AWG. STRANDED BARE COPPER GROUND WIRE .

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13-14	15-16	17-18
PHASE 1 & 5	R	R	R	R	G	G	◄G-R	G	R	R	R	R	DW	DW	DW
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6, OR 2 & 5, OR 2 & 6.														
PHASE 1 & 6	R	R	R	R	G	G	R	R	G	G	R	R	DW	WK	DW
PED. CLEAR	R	R	R	R	G	G	R	R	G	G	R	R	DW	FL/DW	DW
1 CHANGE	R	R	R	R	Y	Y	R	R	Y	Y	R	R	DW	DW	DW
PHASE 2 & 5	G	G	G	G	R	R	◄G-G	R	R	R	R	R	WK	DW	DW
PED. CLEAR	G	G	G	G	R	R	◄G-G	R	R	R	R	R	FL/DW	DW	DW
5 CHANGE	Y	Y	Y	Y	R	R	◄Y-G	R	R	R	R	R	DW	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	G	G	G	G	R	R	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	Y	Y	Y	Y	R	R	DW	DW	DW
PHASE 4	G	G	G	G	R	R	R	R	R	R	G	G	DW	DW	DW
4 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	Y	Y	DW	DW	DW
4 ALT.	G	G	G	G	R	R	R	R	R	R	G	G	DW	DW	WK
PED. CLEAR	G	G	G	G	R	R	R	R	R	R	G	G	DW	DW	FL/DW
4 ALT. CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	Y	Y	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK

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.

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	APPROVALS
	ASST. DIVISION CHIEF, TEDD — ORIGINAL
	ASST. DISTRICT ENGINEER, TRAFFIC — ON
(B) 02/98 - INSTALLED NEW PEDESTRIAN SIGNALS ACROSS U.S. 50 OFF-RAMP & U.S. 50 ON-RAMP. SHA # AW2715016	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — FILE
A). 03/97 - INSTALLED NEW PED. SIGNAL IN N/W QUADRANT & ATTACHED NEW PED. SIGNAL TO EXIST. MAST ARM POLE AT MD. 459 & CHEVERLEY AVE.; SHA #	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD. 459 & U.S. 50 OFF-RAMP — SIGNAL #16045900.00
MD. 459 & CHEVERLY AVE./U.S. 50 ON-RAMP — SIGNAL #16045900.05
DATE 6-12-85

DRAWN BY: M. SCHNEIDER	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
DES. BY: BRUCE THOMPSON	S.H.A. NO. 238557250742A	TS-2091 (B)	1 OF 1
CHECK BY: DENNIS J. DODA	COUNTY PRINCE GEORGE'S		
SCALE: 1" = 20'			

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