F H WA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.			

CONSTRUCTION DETAILS

I. GENERAL

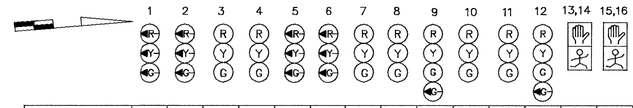
THIS PORTION OF THE PROJECT INVOLVES THE PARTIAL RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 337 (ALLENTOWN RD) AND SUITLAND RD IN PRINCE GEORGE'S COUNTY. MD 337 IS ASSUMED TO RUN IN AN EAST–WEST DIRECTION.

II. INTERSECTION OPERATION

THE EXISTING EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR MD 337 SHALL BECOME AN EXCLUSIVE LEFT TURN PHASE AND THE PEDESTRIAN PHASES FOR THE NORTH LEG (ACROSS MD 337) AND SOUTH LEG (ACROSS ENTRANCE TO ANDREWS AIR FORCE BASE) BEING ELIMINATED.

III. CONSTRUCTION NOTES

1. ALL EXISTING SIGNS WILL BE RELOCATED TO THE NEW MAST ARMS.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT WILL BE UTLIZED EXCEPT WHERE NOTED.



	1	2	3	4	5	6	7	8	9	10	11	12	13,14	15,16
PHASE 1 & 5	G	G	R	R	G	G	R	R	R	R	R	R	DW	DW
1 & 5 CHANGE	TO Ø 1 & 6, 2 & 5 OR 2 & 6												DW	DW
PHASE 1 & 6	R	R	R	R	G	G	G	G	R	R	R	R	DW	DW
1 & 6 CHANGE	R	R	R	R	Y	Y	G	G	R	R	R	R	DW	DW
PHASE 2 & 5	G	G	G	G	R	R	R	R	R	R	R	R	WK	DW
2 & 5 CHANGE	Y	Y	G	G	R	R	R	R	R	R	R	R	WK	DW
PHASE 2 & 6	R	R	G	G	R	R	G	G	R	R	R	R	WK	DW
PED CLEAR	R	R	G	G	R	R	G	G	R	R	R	R	FL/DW	DW
2 & 6 CHANGE	R	R	Y	Y	R	R	Y	Y	R	R	R	R	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	G G	G	R	R	DW	DW
3 CHANGE	R	R	R	R	R	R	R	R	Y	Y	R	R	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	R	R	G G	G	R	R	DW	WK
PED CLEAR	R	R	R	R	R	R	R	R	G G	G	R	R	DW	FL/DW
3 ALT CHANGE	R	R	R	R	R	R	R	R	Y	Y	R	R	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	R	R	G G	G	DW	DW
4 CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK

MD 337

SUITLAND RD

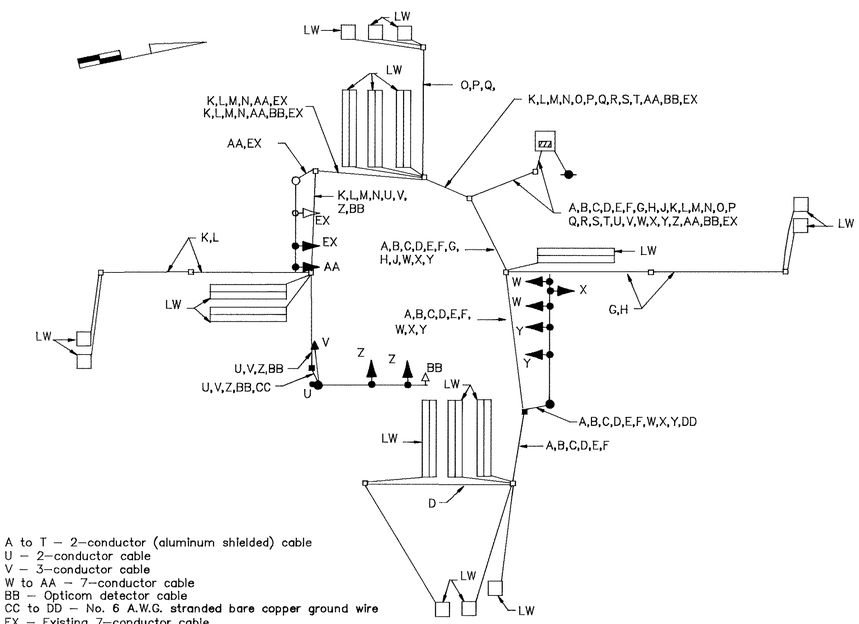
ANDREWS AIR FORCE BASE

A. EQUIPMENT SUPPLIED BY SHA AND INSTALLED BY CONTRACTOR

QUANTITY	SPEC. SECTION	DESCRIPTION
1 EA	818	21' STEEL POLE WITH A 50' MAST ARM AND 4 1 3/4" X 90" ANCHOR BOLTS
1 EA	818	21' STEEL POLE WITH A 60' MAST ARM AND 4 2" X 90" ANCHOR BOLTS
4 EA	814	12" ONE–WAY, THREE–SECTION (R,Y,G) TRAFFIC SIGNAL HEAD MAST ARM MOUNT (SIGNALS # 3,7,8,10)
4 EA	814	12" ONE–WAY, THREE–SECTION (R ARROW,Y ARROW, G ARROW) TRAFFIC SIGNAL HEAD MAST ARM MOUNT (SIGNALS # 1,2,5,6)
1 EA	814	12" ONE–WAY, FOUR–SECTION (R,Y,G,G ARROW) TRAFFIC SIGNAL HEAD MAST ARM MOUNT (SIGNAL # 9)
15 SF	813	R3–5 (L) SIGN 30" X 36" MAST ARM MOUNT (SIGN # 18,20)
1 EA	814	12" ONE–WAY, TWO–SECTION (SYMBOLIC) PEDESTRIAN SIGNAL POLE MOUNT (SIGNAL # 15)
1 EA	817	PUSHBUTTON AND SIGN (R10–3C) TO READ "PUSH BUTTON TO CROSS ALLENTOWN RD"
2 EA	813	SIGN HARDWARE 30" FORM TUBE

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

QUANTITY	SPEC. SECTION	
LS	822	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
4756 LF	810	2–CONDUCTOR (ALUMINUM SHIELDED) CABLE (NO. 14 A.W.G.)
310 LF	810	4–CONDUCTOR OPTICOM DETECTOR CABLE
1154 LF	810	7–CONDUCTOR CABLE (NO. 14 A.W.G.)
264 LF	810	3–CONDUCTOR CABLE (NO. 14 A.W.G.)
260 LF	810	2–CONDUCTOR CABLE (NO. 14 A.W.G.)
4982 LF	810	LOOP WIRE (NO. 14 A.W.G.) IN FLEXIBLE TUBING
1722 LF	815	SAWCUT
80 LF	805	1" LIQUID TIGHT FLEXIBLE NON METALIC CONDUIT SLEEVE
40 LF	805	2" P.V.C. SCHEDULE 40 CONDUIT TRENCHED
20 LF	805	2" P.V.C. SCHEDULE 80 CONDUIT TRENCHED
2 EA	811	HANDHOLE
1 EA	SPI	RELOCATE OPTICOM DETECTOR
42 SF	824	RELOCATE MAST ARM MOUNTED SIGNS
40 LF	810	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
1 EA	817	PUSHBUTTON AND SIGN – INSTALLATION
2 EA	818	STEEL POLE AND MAST ARM – INSTALLATION
9 EA	818	SIGNAL HEAD – INSTALLATION
1 EA	818	PEDESTRIAN SIGNAL – INSTALLATION
15 SF	813	OVERHEAD SIGN – INSTALLATION
2 EA	804	GROUND ROD
8 CY	801	CONCRETE FOUNDATION
3 EA	811	ADJUST EXISTING HANDHOLE



A to T – 2–conductor (aluminum shielded) cable
U – 2–conductor cable
V – 3–conductor cable
W to AA – 7–conductor cable
BB – Opticom detector cable
CC to DD – No. 6 A.W.G. stranded bare copper ground wire
EX – Existing 7–conductor cable
LW – Loop wire

REVISIONS	APPROVALS
1/97 MODIFIED DESIGN DUE TO GEOMETRIC IMPROVEMENTS. PG133B21	CHIEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: BRUCE THOMPSON
DES. BY:
CHK. BY:
DATE:
SCALE:

MD 337 and SUITLAND ROAD
GENERAL INFORMATION SHEET
16033701.61
COUNTY: PRINCE GEORGES

F.A.P. NO.
S.H.A. NO. P–407–501–385

TS/STD. NO. 1069 E1

SHEET NO. ___ OF ___