



JENNIFER ROAD IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROJECT DESCRIPTION

I. GENERAL

THE WORK TO BE PERFORMED INVOLVES THE CONSTRUCTION OF A NEW TRAFFIC SIGNAL AT JENNIFER ROAD AND US 50 RAMP "F"/PAVILION PARKWAY. IN ANNE ARUNDEL COUNTY, MARYLAND. IT IS ASSUMED THAT JENNIFER ROAD RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR (4) PHASE FULLY TRAFFIC ACTUATED MODE WITH SIDE STREET SPLIT PHASING

A NEW EIGHT PHASE FULLY ACTUATED CONTROLLER HOUSED IN A GROUND MOUNTED CABINET WILL BE INSTALLED.

THE INTERSECTION WILL BE INTERCONNECTED WITH THE MEDICAL PARKWAY / MD 2 SIGNAL TO THE WEST.

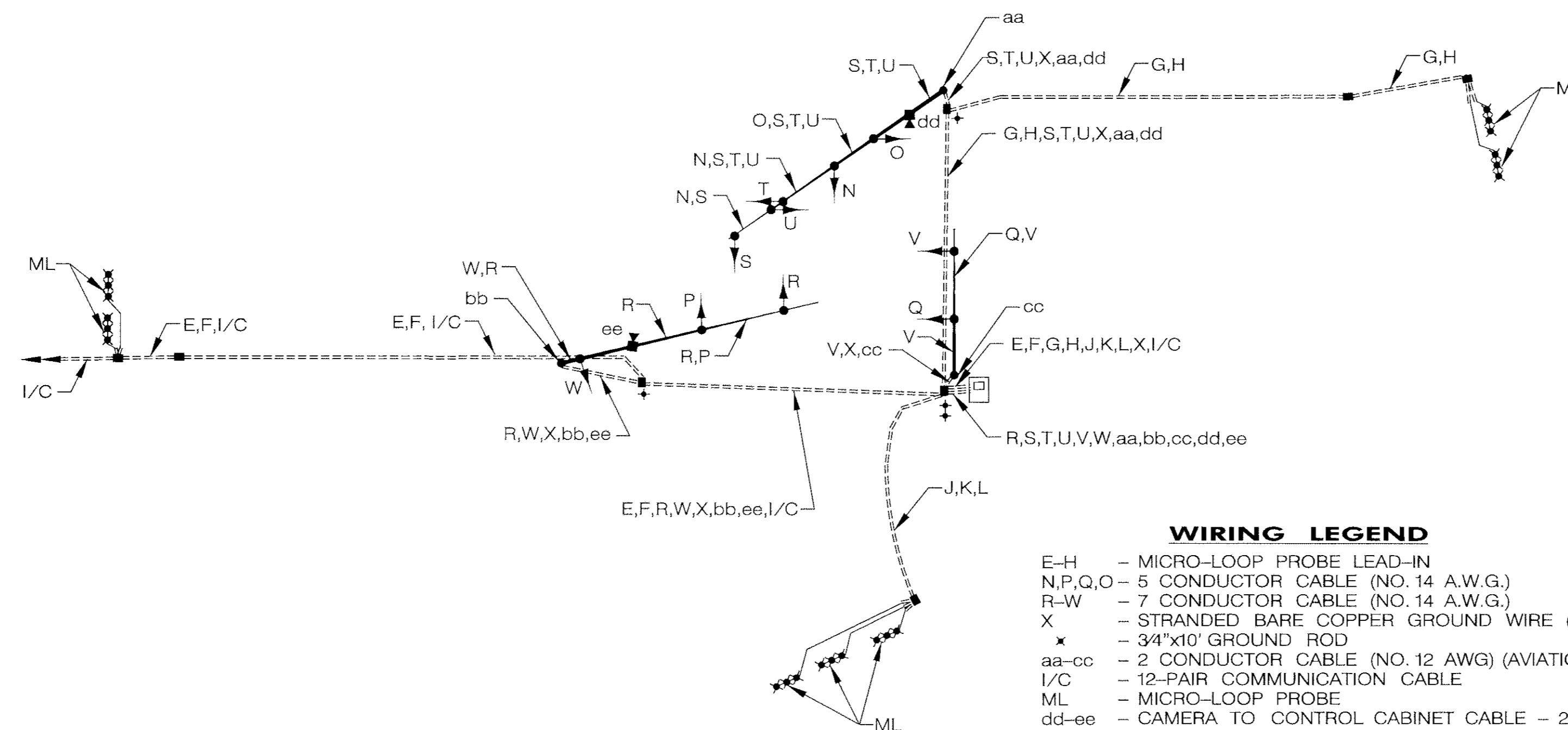
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
971017	1	EA	816	EIGHT PHASE FULLY ACTUATED ASC II CONTROLLER HOUSED IN A BASE MOUNTED CABINET (SIZE 6) WITH VIDEO DETECTION EQUIPMENT
973023	92	SF	813	FLAT SHEET ALUMINUM SIGNS TO CONSIST OF : 2 EACH W3-3 SIGN 2 EACH D3-2 SIGN, (PAVILION PKWY) DUAL FACE 1 EACH R3-6R SIGN 3 EACH R3-5L SIGN 1 EACH R3-1 SIGN 2 EACH R3-2 SIGN 2 EACH D3-2 SIGN, (JENNIFER RD) DUAL FACE

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

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
203030	4	CY	205	TEST PIT EXCAVATION
800000	3	EA	SP	FURNISH AND INSTALL AVIATION LIGHTS MOUNTED ON MAST ARM POLE CAP
801004	20	CY	801	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
802501	160	LF	810	FURNISH AND INSTALL #6 A.W.G. STRANDED BARE COPPER GROUND WIRE
805011	30	LF	805	FURNISH AND INSTALL 1" GALV. STEEL CONDUIT FOR DETECTOR WIRE
805118	160	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID P.V.C. CONDUIT-BORED
800000	411	LF	SP	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID P.V.C. CONDUIT-TRENCHED
805140	392	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID P.V.C. CONDUIT-TRENCHED
805160	26	LF	805	FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
807205	1	EA	807	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
811001	8	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
801104	64	LF	812	FURNISH AND INSTALL WOOD SIGN SUPPORT 4 INCH x 4 INCH
813014	18	SF	813	INSTALL GROUND MOUNTED SIGN.
813015	74	SF	813	INSTALL OVERHEAD SIGN
818030	1	EA	818	FURNISH AND INSTALL MAST ARM POLE AND SINGLE 38' MAST ARM
818045	2	EA	818	FURNISH AND INSTALL MAST ARM POLE AND SINGLE 70' MAST ARM
837001	4	EA	804	FURNISH AND INSTALL GROUND ROD (3/4" DIAMETER x 10' LENGTH)
861107	66	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	1001	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
861116	285	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G.)
871202	1	EA	816	INSTALL CONTROLLER AND CABINET-BASE MOUNT
810550	3	EA	SP	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
810555	4	EA	SP	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1000 FT. LEAD-IN
860272	30	EA	806	FURNISH AND INSTALL 12 INCH VEHICLE TRAFFIC SIGNAL HEAD SECTION
860270	3	EA	806	FURNISH AND INSTALL 8 INCH VEHICLE TRAFFIC SIGNAL HEAD SECTION
800000	1	EA	SP	FURNISH AND INSTALL VIDEO TRAFFIC DETECTION SYSTEM
816005	2	EA	SP	FURNISH AND INSTALL CAMERA TO CONTROL CABINET CABLE, 250 FOOT ASSEMBLY

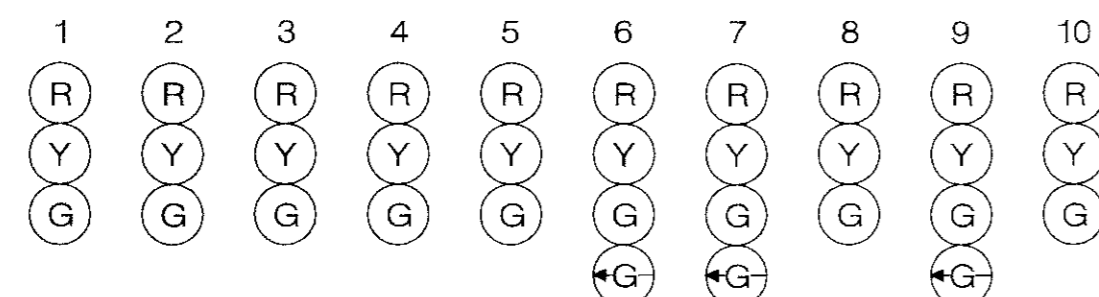


WIRING LEGEND

- E-H - MICRO-LOOP PROBE LEAD-IN
- N,P,Q,O - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
- R-W - 7 CONDUCTOR CABLE (NO. 14 A.W.G.)
- X - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- x - 3/4"x10' GROUND ROD
- aa-cc - 2 CONDUCTOR CABLE (NO. 12 AWG) (AVIATION LIGHTS)
- I/C - 12-PAIR COMMUNICATION CABLE
- ML - MICRO-LOOP PROBE
- dd-ee - CAMERA TO CONTROL CABINET CABLE - 250 FT ASSEMBLY

WIRING DIAGRAM
NOT TO SCALE

PHASING DIAGRAM



	1	2	3	4	5	6	7	8	9	10
PHASE 2+6	G	G	G	G	G	R	R	R	R	R
2+6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	G	G	G
3 CHANGE	R	R	R	R	R	R	R	Y	Y	Y
PHASE 4	R	R	R	R	R	G	G	G	R	R
4 CHANGE	R	R	R	R	R	Y	Y	Y	R	R
FLASHING OPERATION	FL Y	FL Y	FL Y	FL Y	FL R	FL R	FL R	FL R	FL R	FL R



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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
JENNIFER ROAD AND WESTBOUND US 50 RAMP "F"
GENERAL INFORMATION SHEET

REVISIONS _____ _____ _____ _____	DRAWN BY: S.F.N. CHECKED BY: F.A.C. <i>[Signature]</i> SCALE: NOT TO SCALE DATE: MARCH, 2002	F.A.P. NO.: SEE TITLE SHEET S.H.A. NO.: AA6015170 COUNTY: ANNE ARUNDEL LOG MILE: -	TS NO.: TS-4073 SHEET NO.: 214 OF 266 E-158X
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