



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

**PROJECT DESCRIPTION**

**I. GENERAL**

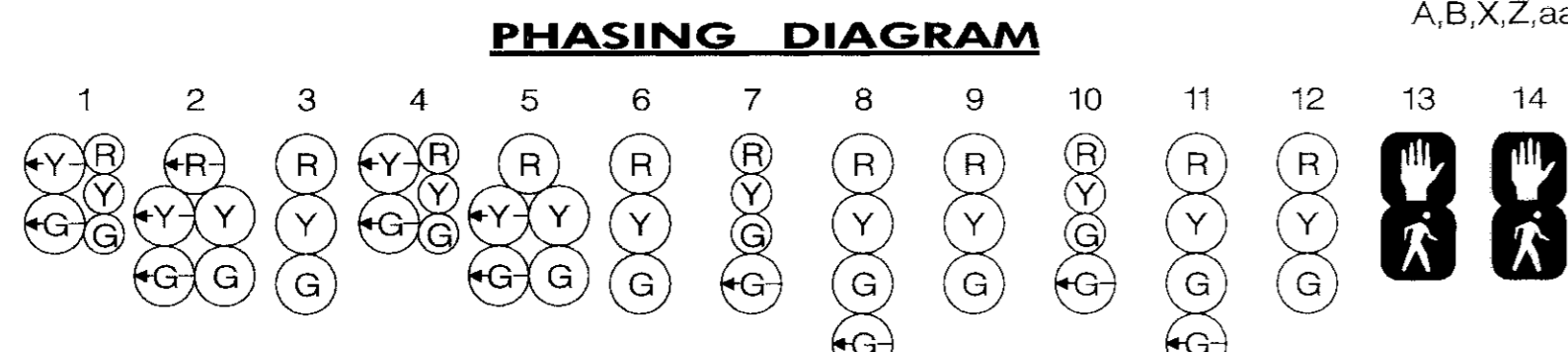
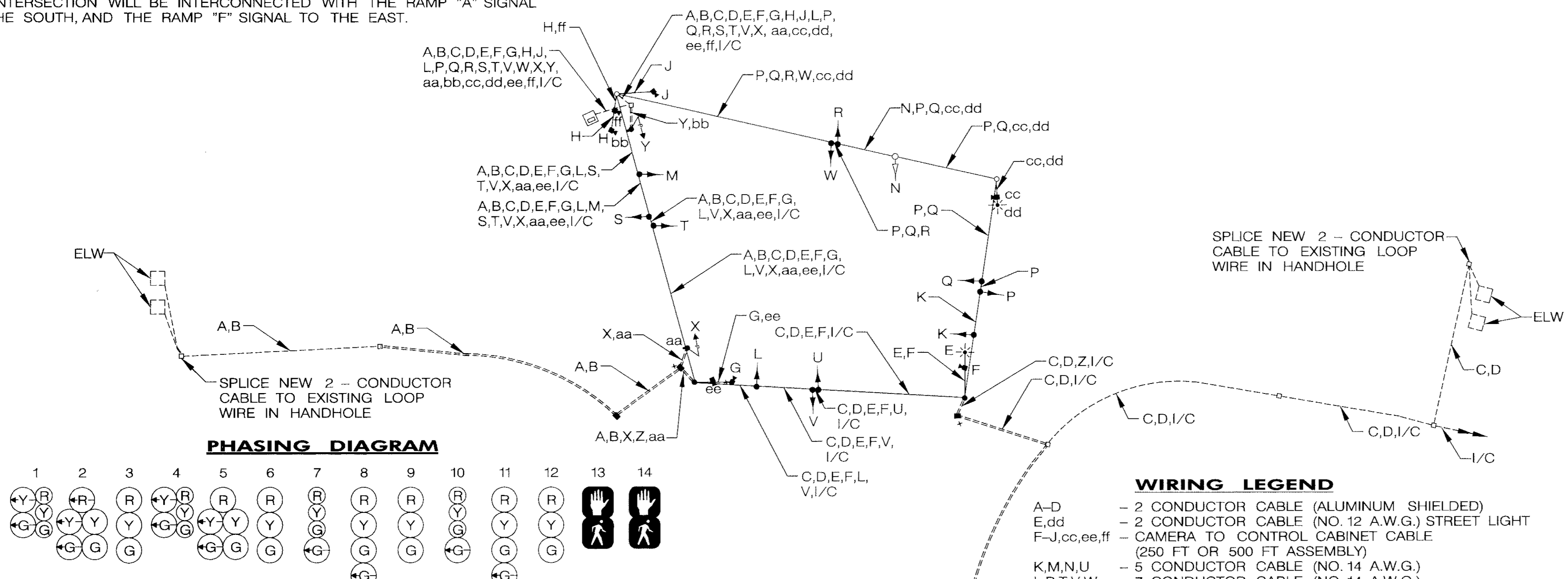
THE WORK TO BE PERFORMED INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT JENNIFER ROAD AND MD 2 /MEDICAL PARKWAY. IN ANNE ARUNDEL COUNTY, MARYLAND. IT IS ASSUMED THAT JENNIFER ROAD RUNS IN A EAST-WEST DIRECTION.

**II. INTERSECTION OPERATION**

THE INTERSECTION WILL OPERATE IN A NEMA SIX (6) PHASE FULLY TRAFFIC ACTUATED MODE WITH EXCLUSIVE PERMISSIVE LEFT TURN PHASE FOR JENNIFER RD. AND SPLIT SIDE STREET PHASING.

THE EXISTING EIGHT PHASE FULLY ACTUATED CONTROLLER HOUSED IN A GROUND MOUNTED CABINET WILL BE USED. INSTALL ONE, 4-CHANNEL LOOP DETECTOR AMPLIFIER.

THE INTERSECTION WILL BE INTERCONNECTED WITH THE RAMP "A" SIGNAL TO THE SOUTH, AND THE RAMP "F" SIGNAL TO THE EAST.



**EQUIPMENT LIST**

**A. EQUIPMENT TO BE SUPPLIED BY THE SHA.**

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
973023	176	SF	813	FLAT SHEET ALUMINUM SIGNS TO CONSIST OF: 2 EACH R10-12 SIGN 3 EACH R3-5L SIGN 1 EACH R3-5R SIGN 4 EACH D3-2, (MEDICAL PKWY) DUAL FACE 2 EACH D3-2, (JENNIFER ROAD) DUAL FACE 1 EACH SHIELD ASSEMBLY SIGN (30" x 87") 1 EACH SHIELD ASSEMBLY SIGN (60" x 51") 1 EACH SHIELD ASSEMBLY SIGN (72" x 75")
900000	1	EA	SP	VIDEO DETECTION INTERFACE EQUIPMENT

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

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
203030	5	CY	205	TEST PIT EXCAVATION
801004	10	CY	801	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
802501	15	LF	810	FURNISH AND INSTALL #6 A.W.G. STRANDED BARE COPPER GROUND WIRE
805118	71	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID P.V.C. CONDUIT-BORED
800000	127	LF	SP	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID P.V.C. CONDUIT-TRENCHED
805140	120	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID P.V.C. CONDUIT-TRENCHED

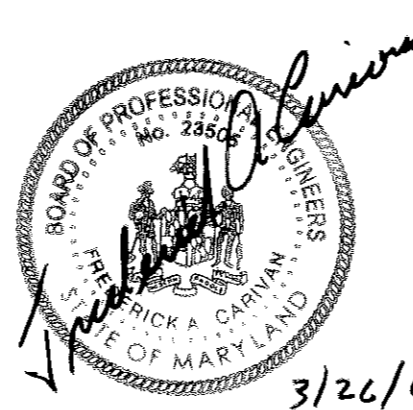
**B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.**

CATEGORY CODE NO.	QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
871202	1	EA	816	INSTALL CONTROLLER AND CABINET BASE MOUNT
811001	3	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813005	1	LS	813	RELOCATE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
813006	85	SF	813	RELOCATE SIGN FROM EXISTING OVERHEAD STRUCTURE
813015	176	SF	813	INSTALL OVERHEAD SIGN
818004	2	EA	818	FURNISH AND INSTALL 10' BREAKAWAY PEDISTAL POLE
818009	2	EA	818	FURNISH AND INSTALL 14 IN. x 32' STRAIN POLE (2 PLY)
831010	2	EA	806	FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE
837001	3	EA	804	FURNISH AND INSTALL GROUND ROD (3/4" DIAMETER x 10' LENGTH)
861104	2450	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861105	463	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
861106	250	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
861107	110	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
861108	1626	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
861116	752	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G.)
866101	1	EA	818	FURNISH AND INSTALL 10 FT. LIGHTING ARM ON SIGNAL STRUCTURE
866103	3	EA	818	FURNISH AND INSTALL 15 FT. LIGHTING ARM FOR LIGHTING STRUCTURE
866104	1	EA	818	FURNISH AND INSTALL 20 FT. LIGHTING ARM FOR SIGNAL STRUCTURE
869101	333	LF	819	FURNISH AND INSTALL 1/4 INCH STEEL SPAN WIRE
869102	333	LF	819	FURNISH AND INSTALL 3/8 INCH STEEL SPAN WIRE
860272	35	EA	806	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860270	6	EA	806	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
865001	2	EA	814	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON AND SIGN
860282	4	EA	814	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION PEDESTAL POLE MOUNT
800000	1	LS	SP	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT PER ASSIGNMENT
816001	7	EA	SP	FURNISH AND INSTALL VIDEO TRAFFIC DETECTION CAMERA
816005	6	EA	SP	FURNISH AND INSTALL CAMERA TO CONTROL CABINET CABLE, 250 FOOT ASSEMBLY
816010	1	EA	SP	FURNISH AND INSTALL CAMERA TO CONTROL CABINET CABLE, 500 FOOT ASSEMBLY

C. ALL EXISTING POLES, WIRING AND SIGNS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

**WIRING DIAGRAM**  
NOT TO SCALE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
PHASE 1+5	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW
1+5 CHANGE															
PHASE 1+6	G	G	G	R	R	R	R	R	R	R	R	R	R	R	DW
1+6 CHANGE															
PHASE 2+5	R	R	R	G	G	R	R	R	R	R	R	R	R	R	WK
PED. CLEAR	R	R	R	G	G	R	R	R	R	R	R	R	R	R	FLDW/FLDW
2+5 CHANGE															
PHASE 2+6	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW
2+6 CHANGE															
PHASE 3	R	R	R	R	R	G	G	R	R	R	R	R	R	R	WK
3 CHANGE															
PHASE 4	R	R	R	R	R	R	R	R	R	R	G	G	G	DW	
4 CHANGE															
PHASE 4 ALT	R	R	R	R	R	R	R	R	R	R	G	G	G	DW	
PED. CLEAR	R	R	R	R	R	R	R	R	R	R	G	G	G	FLDW/FLDW	
4 CHANGE															
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	OFF



**A/E GROUP, INC.**  
ENGINEERS • PLANNERS  
181 E. Main Street  
Westminster, Maryland 21158  
A/E Job No. 99-386

**REVISIONS**

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
**JENNIFER ROAD AND MD 2**  
**AT MEDICAL PARKWAY**  
GENERAL INFORMATION SHEET

DRAWN BY: S.F.N.  
CHECKED BY: F.A.C. *3/26/02*  
SCALE: NOT TO SCALE  
DATE: MARCH, 2002

F.A.P. NO.: SEE TITLE SHEET  
S.H.A. NO.: BW294M83  
COUNTY: ANNE ARUNDEL  
LOG MILE: 02CJEN00.56

TS NO.: **TS-2430B**  
SHEET NO.:  
T.I.M.S. NO.:  
**E-158X** 212 OF 266

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DATE: 3/26/02 10:08