

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF COUNT DOWN PEDESTRIAN HEADS AT THE INTERSECTION OF MD 355 (FREDERICK ROAD) AT KINGS FARM BLVD. / METRO ACCESS IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. NEW COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL BE INSTALLED FOR THE MD 355 SOUTH LEG OF THE INTERSECTION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358
MR. JOHN D. WARNICK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. WAYNE A. MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350
MR. BOBBY GONZALES, TRAFFIC ENGINEER MCDPW&T
PHONE: (240) 777-2190

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9570	SHEET ALUMINUM SIGNS CONSISTING OF: M95-1 (78"x24") GROUND MOUNT	SF	26
9572	SHEET ALUMINUM SIGNS CONSISTING OF: D-3(1) (VAR,x16") SPAN WIRE MOUNT R10-4(1) (9"x12") POLE MOUNT	EA	50
		EA	4
		EA	8

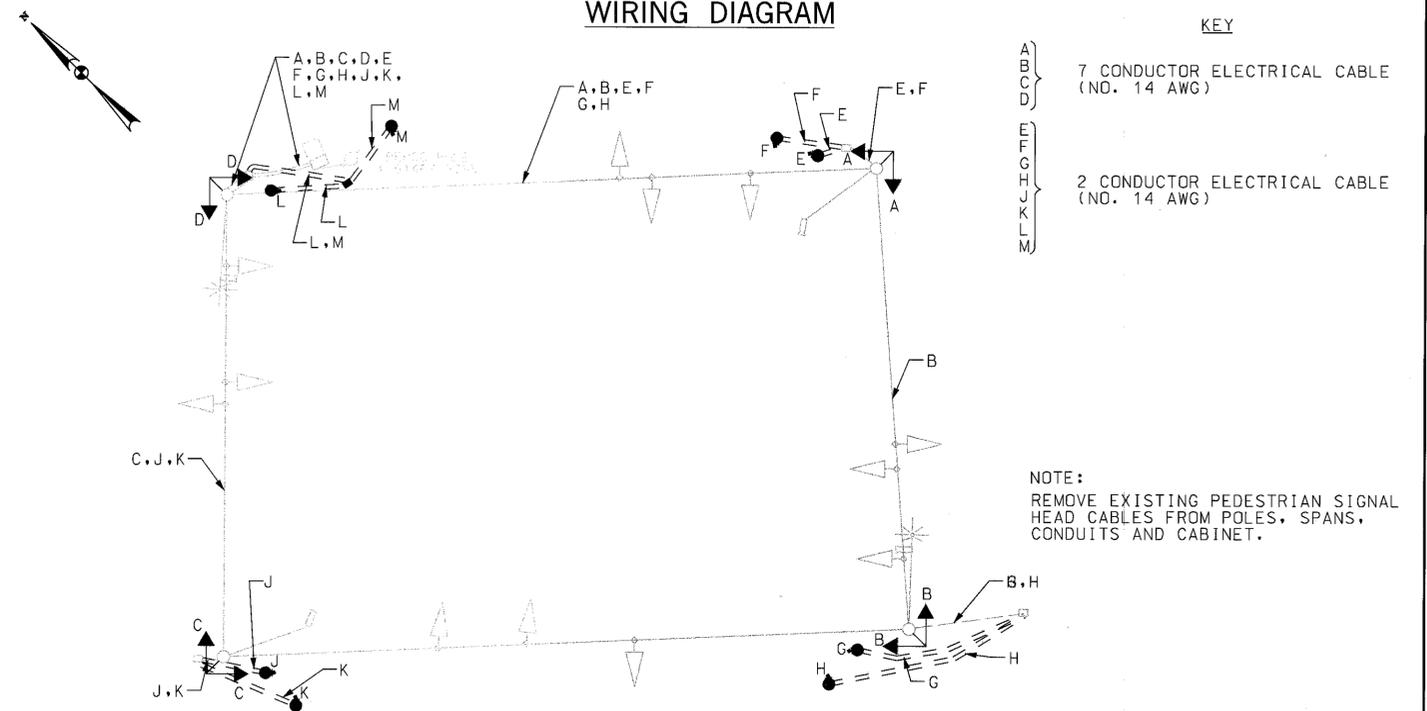
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1801	Maintenance of Traffic	EA	2
5003	12 IN. WHITE LEAD FREE REFLEC. THERMO. PAVE. MARK.	LF	405
5004	24 IN. WHITE LEAD FREE REFLEC. THERMO. PAVE. MARK.	LF	45
5005	REMOVAL OF EXIST. PERM. PAVE. LINE MARK.	LF	65
6003	4 INCH CONCRETE SIDEWALK	SF	1815
8009	4 FT. BREAKAWAY PEDESTAL POLE	EA	8
8013	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
8021	DETECTABLE WARNING SURFACE (SURFACE APPLIED)	SF	60
8024	CONCRETE FOR SIGNAL FOUNDATION	CY	9
8025	WOOD SIGN SUPPORTS 4 INCH x 4 INCH	LF	60
8032	3 IN. SCHED. 80 PVC CONDUIT - TRENCHED	LF	200
8045	F&I ELECTRICAL HANDHOLE	EA	1
8046	INSTALL GROUND MOUNTED SIGN	SF	26
8047	INSTALL OVERHEAD SIGN	SF	50
8059	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	2000
8062	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	810
NEG.	16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNT	EA	8
NEG.	2 WIRE NAVIGATOR PUSHBUTTON STATION	EA	8
NEG.	2 WIRE NAVIGATOR CENTRAL CONTROL UNIT	EA	1

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	12 INCH PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNT	EA	8

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 AND 5	G/R	G/R	R	G/R	G/R	R	R	R	R	R	R	R	DW							
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																				
PHASE 1 AND 6	G/G	G/G	G	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
1 AND 6 CHANGE	Y/G	Y/G	Y	R	R	R	R	R	R	R	R	R	DW	WK	WK	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	G/G	G/G	G	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
2 AND 5 CHANGE	R	R	R	Y/G	Y/G	Y	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW							
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	G	DW							
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW							
PHASE 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW							
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK							

SHA#: MD409A56/256 TOD#: AT582-24

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 355 (FREDERICK ROAD) AND
KINGS FARM BLVD/METRO ACCESS**

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 2/2005 CONTRACT NO. AT582185

DESIGNED BY S. SMITH COUNTY MONTGOMERY
DRAWN BY L. YEH LOGMLE 1503511.23
CHECKED BY S. RENZI T.I.M.S. NO. G675
F.A.P. NO. AC-STP4-000A(2)E TOD NO.

DRAWING NO. TS-3990 SHEET NO. 2 OF 2

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