

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL. IT INVOLVES THE INSTALLATION OF NEW SIGNAL HEADS, SIGNS AND NEW VIDEO DETECTION AT THE INTERSECTION OF MD 201 AND CHERRYWOOD LANE IN PRINCE GEORGE'S COUNTY. MD 201 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE WILL BE NO CHANGE TO THE EXISTING OPERATION.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER SHALL BE USED. THE SHA SIGNAL SHOP WILL INSTALL THE VIDEO INTERFACE EQUIPMENT IN THE EXISTING CONTROLLER.

EQUIPMENT LIST "B"

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

CATEGORY CODE NO.	QUANTITY	UNIT	DESCRIPTION
120500	1	LS	MAINTENANCE OF TRAFFIC
585424	100	LF	24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
800000	1	LS	REMOVE AND DISPOSE OF EXISTING MATERIALS & EQUIPMENT
813015	58.6	SF	INSTALL OVERHEAD SIGN
816001	2	EA	VIDEO DETECTION CAMERA
816005	2	EA	CONTROL CABLE 250 FT VIDEO DETECTION CAMERA TO CONTROLLER
805160	50	LF	1 IN. LIQ TIGHT NON-METALLIC COND FOR DETECTOR (NO.14 AWG)
810550	1	SF	MICRO PROBE W/ 500 FT. LEAD-IN
810555	5	EA	MICROLOOP PROBE W/ 1000 FT. LEAD IN CABLE
861108	169	LF	ELECTRICAL CABLE 7 CONDUCTOR (NO.14 AWG)
860281	28	EA	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION

EQUIPMENT LIST "C"

C. ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	
	(R)								
	(Y)								
	(G)								
PHASE 1 & 6	G/LG	G/LG	G	R	R	R	R	R	←
1 CHANGE	G/Y	G/Y	G	R	R	R	R	R	↓
PHASE 2 & 6	G	G	G	G	G	G	R	R	←
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	R	R	G	G	↑
4 CHANGE	R	R	R	R	R	R	Y	Y	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	↕

PROJECT CONTACTS

THE CONTACT PERSON FOR SHA ARE AS FOLLOWS:

MR. MAJID SHAKIB
ASSISTANT DISTRICT
ENGINEER - TRAFFIC
(301) 513-7300

MR. AUGIE REBISH
ASSISTANT DISTRICT
ENGINEER - UTILITY
(301) 513-7300

MR. WAYNE MOWDY
ASSISTANT DISTRICT
ENGINEER - MAINTENANCE
(301) 513-7304

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
DIVISION
(410) 787-7630

EQUIPMENT LIST "A"

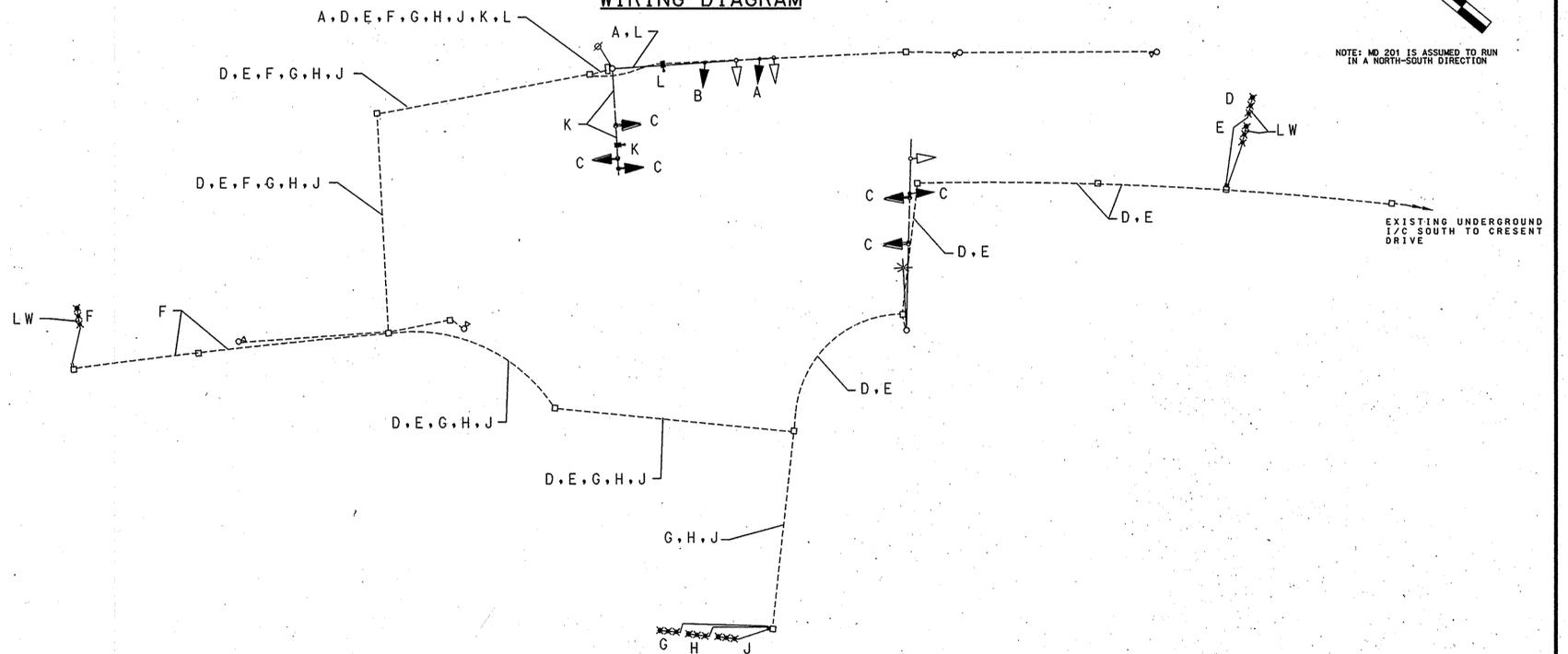
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

CATEGORY CODE NO.	QUANTITY	UNIT	DESCRIPTION
900000	23.0	SF	SHEET ALUMINUM MAST ARM MOUNTED SIGN TO CONSIST OF: 1- EA R3-5L SIGN (30"x 36") 1- EA R3-5R SIGN (30"x36") 1- EA D3-2 (72"x16")
900000	35.6	SF	SHEET ALUMINUM POLE MOUNTED SIGN CONSIST OF: 1- EA SIGN ASSEMBLY (48"x75") 1- EA SIGN ASSEMBLY (30"x51")
900000	1	EA	VIDEO DETECTION INTERFACE EQUIPMENT; 1-4 CAMERAS

WIRING KEY

- A, B - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C - USE EXISTING CABLE
- D, E, F, G, H, J - MICROLOOP PROBE LEAD-IN CABLE
- K, L - VIDEO DETECTION CAMERA CABLE

WIRING DIAGRAM



GENERAL NOTES

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 201 (KENILWORTH AVENUE) / CHERRYWOOD LANE
INTERSECTION IMPROVEMENTS
SIGNALIZATION PLAN

DRAWN BY: K.J.S.	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: T.A.R.	S.H.A. NO. PG6285187	3405D GI	
SCALE: NO SCALE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	20 OF 20
DATE: 06-2005	LOG MILE: I6020107.92	6835	

PREPARED BY
URS
HUNT VALLEY, MARYLAND

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