

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF A NEW TRAFFIC SIGNAL AT MD 80 AND RELOCATED MD 355 IN FREDERICK COUNTY. MD 80 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA (5) FIVE-PHASE FULLY-TRAFFIC-ACTUATED MODE WITH THE MD 80 APPROACHES RUNNING CONCURRENTLY AND THE RELOCATED SOUTHBOUND MD 355 APPROACH OPERATING AS ITS OWN PHASE. PUSHBUTTON ACTIVATED PEDESTRIAN PHASES WILL OPERATE CONCURRENTLY WITH MD 80 AND SOUTHBOUND MD 355.

AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE WILL BE PROVIDED FOR EASTBOUND MD 80.

CONTROLLER REQUIREMENTS:

THE EXISTING CONTROLLER INSTALLED IN THE PREVIOUS PHASE OF MOT WILL BE USED. IT IS A FULLY TRAFFIC ACTUATED EIGHT-PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE - MOUNTED SYSTEM - READY CABINET WITH VIDEO CAMERA DETECTION.

THE CENTRAL CONTROL UNIT SHALL BE SUBMITTED TO THE SHA SIGNAL SHOP FOR PROGRAMMING.

No Change to Wiring

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8141

MS. ANDREA ABEND
UTILITY ENGINEER
PHONE: (301) 624-8115

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

MR. RAY JOHNSON
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8106

THE POWER COMPANY REPRESENTATIVE IS:
ALLEGHENY POWER
MR. BRUCE WIBBERLY
PHONE: (301) 694-4485

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY SHA:

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
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NO EQUIPMENT TO BE SUPPLIED BY SHA.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
120500	104	1S	Maintenance of Traffic
800000		5 EA	Relocate Traffic Signal Head
800000		2 EA	Remove Traffic Signal Head
800000		1 EA	Adjust Video Camera Detection Zone
800000		6 EA	Unbag Pedestrian Signal Head
800000		2 EA	Unbag Traffic Signal Head
800000		1 EA	Unbag Overhead Sign

PHASE CHART

	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
PHASE 1+6	G/-G	G/-G	G	R	R	R																			
PHASE PED CLEAR	G/-G	G/-G	G	R	R	R																			
1+6 CHANGE	G/-Y	G/-Y	G	R	R	R																			
PHASE 2+6	G	G	G	G	G	G																			
PHASE PED CLEAR	G	G	G	G	G	G																			
2+6 CHANGE	Y	Y	Y	Y	Y	Y																			
PHASE 4	R	R	R	R	R	R																			
4 CHANGE	R	R	R	R	R	R																			
PHASE 4 ALT	R	R	R	R	R	R																			
PHASE PED CLEAR	R	R	R	R	R	R																			
4 ALT CHANGE	R	R	R	R	R	R																			
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y																			

NOTE: SIGNAL HEADS 8-12 ARE TO REMAIN BAGGED.



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
ULTIMATE TRAFFIC SIGNAL GENERAL INFORMATION
MD 80 AT RELOCATED MD 355

DRAWN BY: JCC	F.A.P. NO. NONE	TS NO. 4459-GI	SHEET NO.
CHECKED BY: DSU	S.H.A. NO. NONE	T.I.M.S. NO. H063	158 OF 200
SCALE: N/A	COUNTY: FREDERICK		
DATE: 12/29/05	LOG MILE: 10000805.73		