PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE LOOP REPLACEMENT AT THE INTERSECTION OF MD 355 AT GROVE RD/RF KLINE ENTRANCE IN FREDERICK COUNTY. MD 355 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

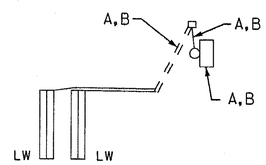
INTERSECTION OPERATION

NORMAL OPERATION
THE INTERSECTION WILL OPERATE IN A NEMA-SIX-PHASE FULLY ACTUATED MODE. THE MOVEMENTS ON MD 355 WILL OPERATE CONCURRENTLY. THE MOVEMENTS ON GROVE RD/RF KLINE ENTRANCE WILL OPERATE CONCURRENTLY.

SPECIAL NOTE

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY.

WIRING DIAGRAM



A,B ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED NO.14 AWG)

LW LOOP WIRE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

NONE

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

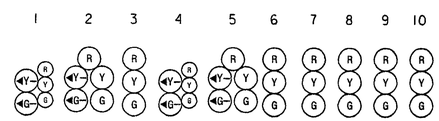
MARK FLACK
ASSISTANT DISTRICT ENGINEER-CONSTRUCTION
PHONE: 301-624-8201

DAVE COYNE
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: 301-624-8106

JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: 301-624-8140

JAMES BUCKALEW
UTILITIES ENGINEER
PHONE: 301-624-8116

PHASE CHART



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

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
585624	556	40 L.F.	24 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKINGS
805160	805	25 L.F.	1 IN. LIQUID TIGHT FLEXIBLE NON METALLIC CONDUIT
861104	810	50 L.F.	ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED NO.14 AWG)
862101	805	900 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG)
862102	805	220 L.F.	SAW CUT FOR LOOP WIRE

EQUIPMENT LIST "C"

C. ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR.

NONE

SP-4

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET
MD 355 AND GROVE RD / R.F. KLINE ENTRANCE

DRAWN BY: BRUCE THOMPSON WJN (FOR STS)	F.A.P. NO.		TS NO. 2472 B	SHEET NO. 34 OF 35
CHECKED BY: DLA D DODA 9-1-88	S.H.A. NO.	F-189-509-785		
SCALE: NONE	COUNTY:	FREDERICK	T.I.M.S. NO.	
DATE: REDRAWN 4-12-94	LOG MILE:	10035509.21		

T:\GRDVEBD\cg02grrd.dgn
10/6/04 MB
T:\FILDTS\TA\pentrobis\default-ccs.tbl