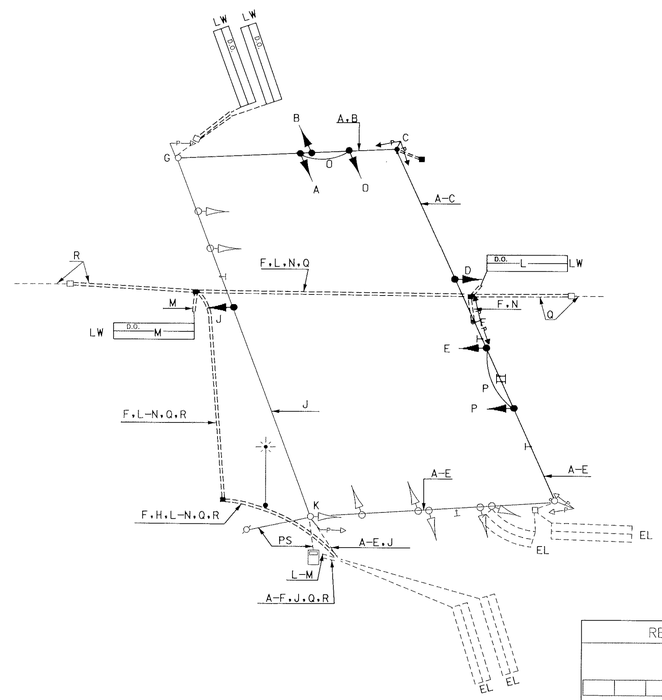
PHASING SEQUENCE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
PHASE 1 & 5	◄G-/G	◄G-/G	R	◄G-/G	◄G-/G	R	R	R	R	R	R	R	R	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 1 & 5 CHANGE	CHANGE TO 1 & 6 , 2 & 5 OR 2 & 6																						
PHASE 1 & 6	R	R	R	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R	FL/R	FL/R	DW	DW	WK	WK	DW	DW	DW	DW
PED CLEARANCE	R	R	R	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R	FL/R	FL/R	DW	DW	FL/DW	FL/DW	DW	DW	DW	DW
PHASE 1 & 6 CHANGE	R	R	R	◄Y-/G	◄Y-/G	G	R	R	R	R	R	R	R	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 & 5	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R	R	R	R	FL/R	FL/R	WK	WK	DW	DW	DW	DW	DW	DW
PED CLEARANCE	◄G-/G	◄G-/G	G	R	R	R	R	R	R	R	R	R	R	FL/R	FL/R	FL/DW	FL/DW	DW	DW	DW	DW	DW	DW
PHASE 2 & 5 CHANGE	◄Y-/G	◄Y-/G	G	R	R	R	R	R	R	R	R	R	R	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	R	R	R	FL/R	FL/R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	R	FL/R	FL/R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	G	G	G	G	G	G	G	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	DW
ALT PHASE 4	R	R	R	R	R	R	G	G	G	G	G	G	G	FL/R	FL/R	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	G	G	G	FL/R	FL/R	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
ALT PHASE 4 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	FL/R	FL/R	DW	DW	DW	DW	DW	DW	DW	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	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

R= RED
Y= YELLOW
G= GREEN
◄Y-= YELLOW ARROW
◄G-= GREEN ARROW
FL= FLASHING

WIRING DIAGRAM



WIRING KEY

A-F,J= 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

G,H,K= DELETED

L-M= 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) ALUMINUM SHIELDED

N= 1 CONDUCTOR ELECTRICAL CABLE (NO. 6 AWG) STRANDED BARE COPPER WIRE

O-P= 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) FOR TRAFFIC SIGNAL HEAD - JUMPER CABLE

Q,R= EXISTING 12 PAIR TWISTED JELLY FILLED INTERCONNECT CABLE (NO. 19 AWG)

PS= POWER SERVICE

LW= LOOP WIRE

EL= EXISTING LOOP

CONSTRUCTION DETAILS

A. Deleted.

B. Use existing conduit.

C. Use existing handhole.

D. Install 1 in. liquid tight, flexible, non-metallic conduit for detector wire sleeve.

E. Install a 6 ft. x 30 ft. quadruple loop detector (3-6-3 turns) encased in flexible tubing. (Note: splice proposed loop detector to the existing 2 conductor aluminum shielded cable).

F. Abandon existing loop detector.

G. Install 24 in. white, reflective, thermoplastic pavement marking tape.

H. Install 12 in. white, reflective, thermoplastic pavement marking tape.

I. Deleted.

J. Install 3/8 in. steel span wire, 1/4 in. steel tether wire, signal heads and signs. (Note: Tether 5 - section signal head and signs).

K. Remove existing span wire, signal heads, and associated wiring.

L. Install a 12 in. x 32 ft. steel strain pole with pedestrian signal heads, push-button and sign at station 55+40 left 98 ft. . (Note: One - 2 in. PVC schedule 80 conduit bend and four - 2 1/4 in. x 96 in. anchor bolts).

M. Install a 2 in. PVC schedule 80 electrical conduit - trenched.

N. Install an electrical handhole.

O. Remove and dispose of existing strain pole, foundation, and pedestrian signal.

P. Install a 6 ft. x 30 ft. quadruple loop detector (3-6-3 turns) encased in flexible tubing.

Q. Install a 10 ft. pedestal pole with breakaway base support system pedestrian signal heads, push-button and sign and station 55+80.5; left 10 ft. (Note: One - 2 in. PVC schedule 80 electrical conduit and four - 1 in. x 40 in. anchor bolts).

R. Use existing strain pole.

S. Install a 3 in. PVC schedule 80 electrical conduit (slotted) prior to the final roadway re-surfacing.

T. Deleted.

U. Install and tether proposed signal head on existing span wire. (Note: Re-ring existing span wire).

V. Install electrical cables into existing controller cabinet and properly tag / label each cable. (Note: all internal wiring shall be conducted by MD-SHA forces). Also, disconnect, pull back & relocate existing interconnect cable through proposed conduit as detailed.

W. Re-ring existing span wire.

X. Install 1 in. galvanized steel conduit for detector wire sleeve.

Y. Install 3/8 in. steel span wire and proposed signal heads.

Z. Abondon existing handhole.

AA. Cap & abondon existing conduit.

BB. Remove & dispose of existing pedestrian pole foundation, signal heads and pushbutton.

CC. Install a 3 in. PVC schedule 80 electrical conduit trenched.

FILENAME=SHA\PROJECTS\TRANSP\BIDM\DGN\COLEBMDSGN

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF, TEDD
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

DCI
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

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

MD 5 (BRANCH AVE) @ COLEBROOK DRIVE
GENERAL INFORMATION SHEET 1 OF 2

LOGMILE #:16000514.30

DATE ___/___/___

DRAWN BY: DCI	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
CHECK BY: DMP	S.H.A. NO.	P-388-000-385	TS-1066	___ OF ___
SCALE: 1"=20'	COUNTY	PRINCE GEORGE'S		