PROPOSED LED SIGNALS

U.S. 29 (GEORGIA AVENUE) IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

1,2,5,7	3,4,6,8, 9,12,15	10,11,13,14	16-23
R, Y, G	R, Y, G	R, Y, G, Y, G	88
12"	12"	12"	16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE

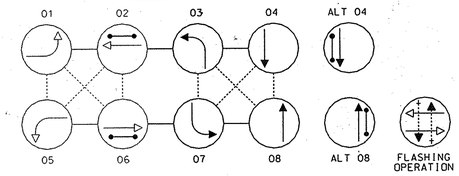
a,b EXISTING VIDEO DETECTION

c,d PROPOSED VIDEO DETECTION

EXISTING SIGNS

33,35,38,40	34,36,39,42	37	32
	NO TURN ON RED	LEFT LANE MUST TURN LEFT	TO WEST MARYLAND 384
R4-7 (24"x30")	R10-11B (24"x24")	R3-7 (30"x30")	

NEMA PHASING

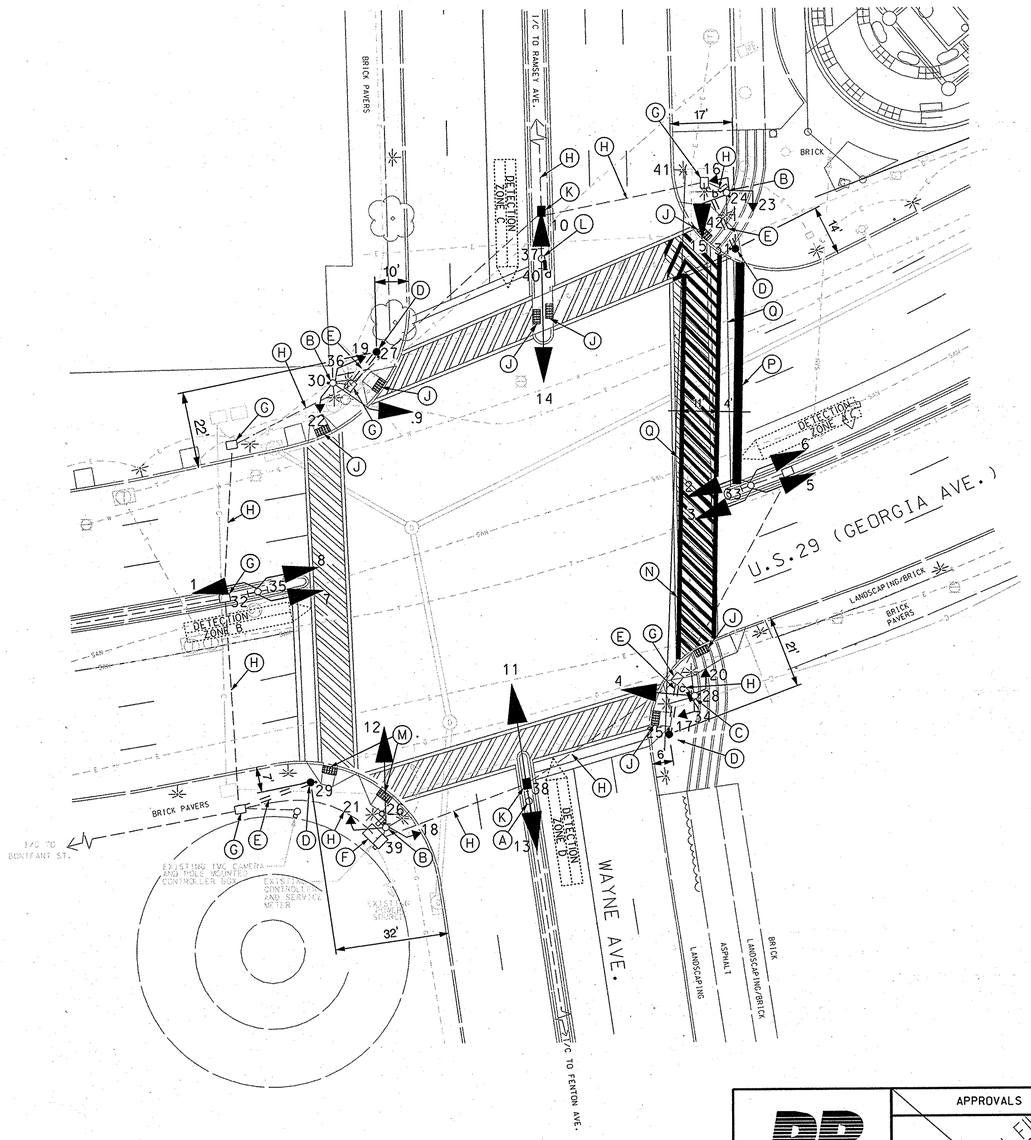


NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED SIGNS

25,27	24,26	28,29,30,31
PUSH BUTTON FOR PEDESTRIAN WAYNE AVENUE	PUSH BUTTON FOR PEDESTRIAN WAYNE AVENUE	PUSH BUTTON FOR PEDESTRIAN GEORGIA AVENUE
WAYNE AVE IN BRAILLE TYPE 2	WAYNE AVE IN BRAILLE TYPE 2	GEORGIA AVE IN BRAILLE TYPE 2

R10-4(1) MOD
9"x12"
(TO BE INSTALLED WITH APS PUSHBUTTON)



EXISTING SIGNS TO BE REMOVED

43,44,45

R10-4(1)
(9"X12")

EXISTING SIGN TO BE RELOCATED BY OTHERS

41

SPEED LIMIT 30

R2-1
(24"x30")

CONSTRUCTION DETAILS

A. USE EXISTING STEEL POLE. REMOVE EXISTING TRAFFIC SIGNAL HEAD. INSTALL NEW TRAFFIC SIGNAL HEADS AS SHOWN ON PLAN AND RUN NEW WIRE FOR BOTH HEADS.

B. USE EXISTING STEEL POLE. REMOVE EXISTING PEDESTRIAN SIGNALS AND PEDESTRIAN EDUCATION SIGN. INSTALL NEW COUNTDOWN PEDESTRIAN SIGNALS. PEDESTRIAN EDUCATION SIGN AND WELD APS STATION TO EXISTING POLE.

C. USE EXISTING STEEL POLE. REMOVE EXISTING PEDESTRIAN SIGNALS AND PEDESTRIAN EDUCATION SIGN. INSTALL NEW COUNTDOWN PEDESTRIAN SIGNALS. VIDEO DETECTION. PEDESTRIAN EDUCATION SIGN AND WELD APS STATION TO EXISTING POLE.

D. INSTALL 5' BREAKAWAY PEDESTAL POLE WITH APS STATION AND PEDESTRIAN EDUCATION SIGN (NOTE: 1-3". 90° POLYVINYL CHLORIDE (SCHEDULE 80) CONDUIT BEND.)

E. INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80) TRENCHED. REMOVE AND RESET EXISTING BRICK PAVERS.

F. USE EXISTING BASE MOUNTED CABINET.

G. USE EXISTING HANDHOLE.

H. USE EXISTING CONDUIT.

J. INSTALL DETECTABLE WARNING SURFACES.

K. REMOVE EXISTING HANDHOLE AND INSTALL NEW HANDHOLE IN SAME PLACE.

L. USE EXISTING STEEL POLE. REMOVE EXISTING TRAFFIC SIGNAL HEAD. INSTALL NEW TRAFFIC SIGNAL HEADS AS SHOWN ON PLAN AND RUN NEW WIRE FOR BOTH HEADS. INSTALL VIDEO DETECTION CAMERA.

M. EXISTING DETECTABLE WARNING SURFACE.

N. INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK)

P. INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOPLINE)

Q. REMOVE EXISTING PAVEMENT MARKINGS

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY 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 WILL OCCUR, THE CONTRACTOR SHALL NOTIFY 240-777-2101 AT MONTGOMERY COUNTY 72 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE CONFLICT MAY BE RESOLVED.

2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

3. SEE PLAN SHEETS 11 OF 12 AND 12 OF 12 FOR INTERCONNECT DETAILS AND QUANTITIES.

4. THE CONTRACTOR SHALL REMOVE ALL UNUSED WIRING.

5. PROPOSED POLES WILL BE PAINTED BROWN BY OTHERS.

SHA No.: BW847M83
MD 384 @ Lower Entrance-Silver Spring Transit Center

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 29 (GEORGIA AVENUE) AND WAYNE AVE.

SILVER SPRING, MARYLAND

TRAFFIC SIGNAL PLAN

PB 100 YEARS
PARSONS BRINCKERHOFF QUADE & DOUGLAS
100 South Charles Street
Tower 1, 10th Floor
Baltimore, MD 21201-2727
Phone: 410-727-5050
Fax: 410-727-4608

APPROVALS
ORIGINAL ON FILE
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
C E/P PHASING FOR WAYNE AVE 8/25/06 AND INSTALL APS TIM# H588 SHA NO.:BW996M82 KMP
B REPLACE OOP DETECTION WITH VIDEO CAMERAS 7/23/04 SHA NO.:MO7175185 MAR DAZ BRK
A REPLACE TRAFFIC SIGNAL POLES DUE TO CONSTRUCTION ON THE N.W. CORNER. MAR DAZ BRK TH

SCALE 1" = 20'	DATE 08092002	CONTRACT NO. BW996M82	
DESIGNED BY WTCA		COUNTY MONTGOMERY	
DRAWN BY		LOGMILE 15002900.67	
CHECKED BY CT		T.I.M.S. NO. H588	
F.A.P. NO.		TOD NO.	
TS NO. 4195C	DRAWING NO. 1 OF 2	SHEET NO. 7 OF 12	

PLOTTED: MONDAY, SEPTEMBER 11, 2006 AT 10:39 AM
FILE: G:\17967A\01\PLANS\GEORGIA_WAYNE_OP01.DGN

BY: PERMISOHN

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC