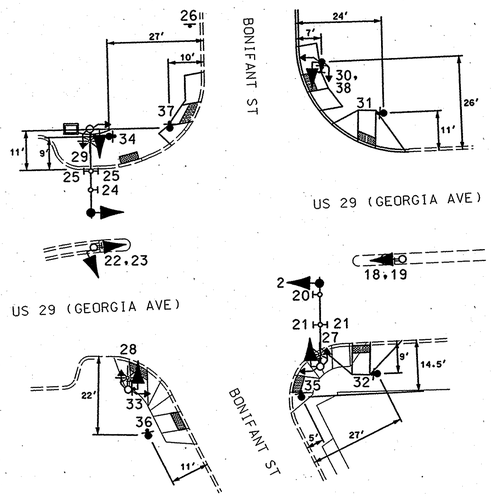
DRILL HOLES

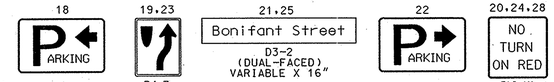
BORDER REV: DATE: June 1, 2004

GEORGIA AVE IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

POLE DIMENSIONS AND SIGN NUMBERING

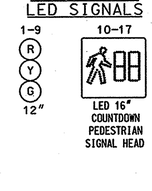


EXISTING SIGNS

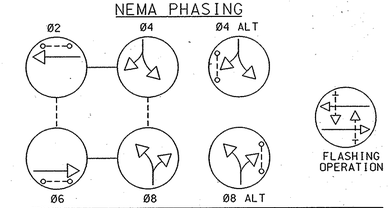


PROPOSED SIGNS

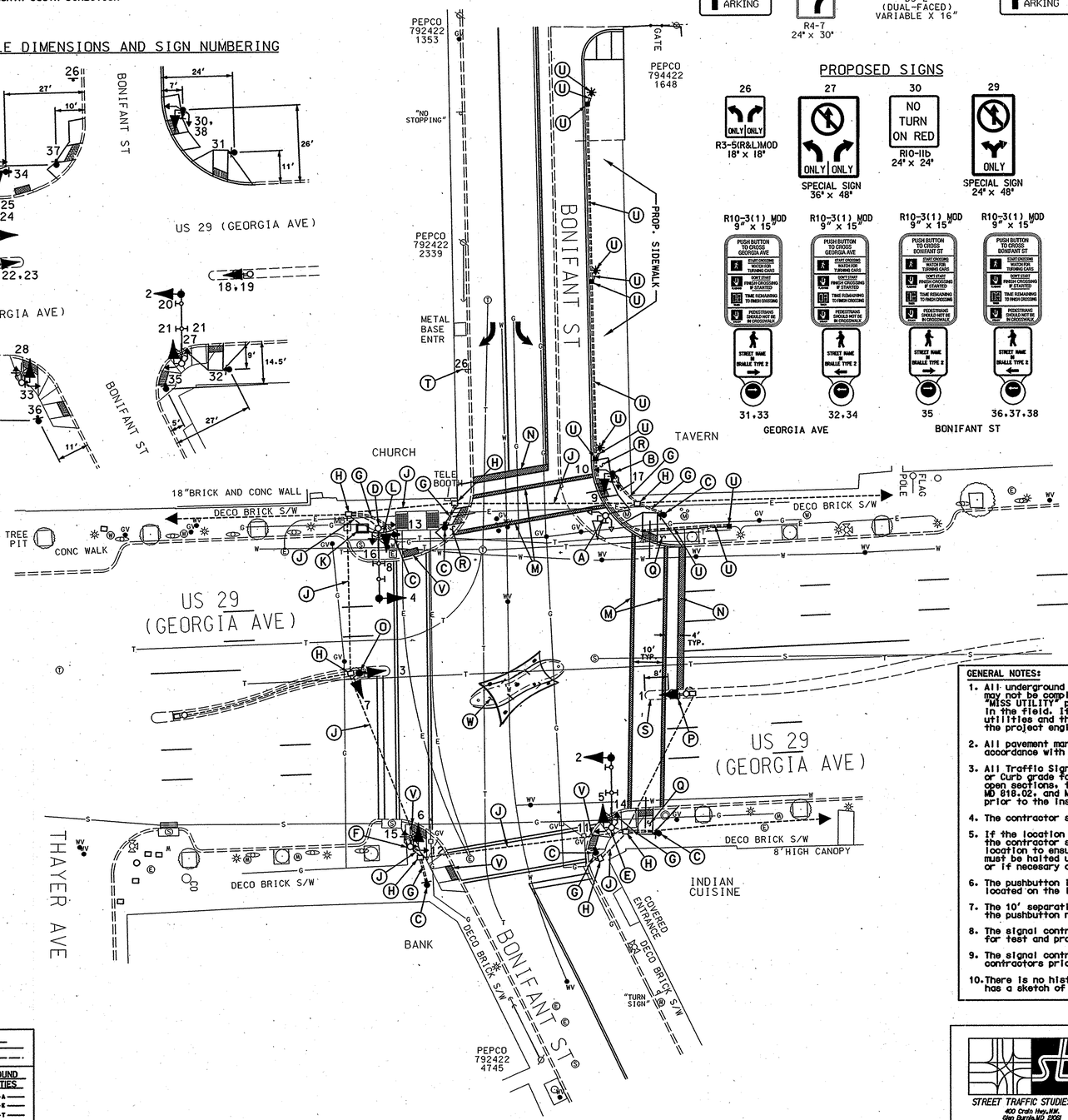
PROPOSED LED SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Remove existing 20' tall post and all attached traffic and pedestrian signals and signs. (See Construction Detail "B") Cap and abandon existing conduit.

B. Install 20' (brown) tall post, LED traffic signal head, countdown pedestrian signals, audible pushbutton with pedestrian education sign and R10-11b sign. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.

C. Install 5' breakaway pedestal pole (brown) and audible pushbutton with pedestrian education sign as shown. See Typical on G.I. sheet. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.).

D. Use existing 23' tall post with 24' mast arm and rectilinear luminaire. Replace existing pedestrian signals with countdown pedestrian signals and replace traffic signal heads with LED traffic signal heads. Remove pedestrian education sign and "No Thru's" sign. Install proposed sign as shown.

E. Use existing 23' tall post with 24' mast arm and rectilinear luminaire. Replace existing pedestrian signals with countdown pedestrian signals and replace traffic signal heads with LED traffic signal heads as shown. Replace existing lane use sign with proposed lane use sign as shown.

F. Use existing 23' tall post with rectilinear luminaire. Replace existing pedestrian signals with countdown pedestrian signals and replace traffic signal head with LED traffic signal head as shown.

G. Remove existing decorative brick sidewalk and install 3" polyvinyl chloride electrical conduit (Schedule-80) (trenched). Replace decorative bricks.

H. Use existing handhole.

J. Use existing conduit.

K. Use existing base mounted cabinet and controller.

L. Existing underground electrical service by PEPCO to remain.

M. Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)

N. Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)

O. Use existing 14' pedestal pole. Replace traffic signal heads with an LED traffic signal heads as shown.

P. Use existing 14' pedestal pole. Replace traffic signal head with an LED traffic signal head as shown.

Q. Install handicap ramp (See Standard No. MD 655.11) with detectable warning surface (See Standard No. MD 655.40).

R. Install handicap ramp (See Standard No. MD 655.12) with detectable warning surface (See Standard No. MD 655.40).

S. Remove 8' of existing monolithic median. Install nose down section and patch roadway.

T. Remove existing R3-5 (L&R) MOD sign and install proposed sign on existing sign post as shown.

U. Proposed Montgomery County lighting equipment to be installed by others.

V. Install detectable warning surface on existing sidewalk ramp. (See Standard No. MD 655.40).

W. Remove existing channelizing island and install painted island with flex posts. (See Pavement Marking Plan sheet 4 of 4)

GENERAL NOTES:

1. All underground 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 the project engineer immediately so that the conflict may be resolved.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. 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, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. The contractor shall remove all unused wiring.
5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
6. The pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area does not have to reach more than 18".
7. The 10' separation between pushbuttons is to be measured from the face of the pushbutton not the center of the pole.
8. The signal contractor is to deliver the APS equipment to the County ASAP for test and programming purposes.
9. The signal contractor is to coordinate with the County lighting and roadway contractors prior to the installation of the signal equipment.
10. There is no history of this signal plan in the SHA files. Montgomery County has a sketch of the signal on file, thus, the revision block was not used.

GEOMETRIC LEGEND	
PROPOSED	
EXISTING	

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

SHA

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APPROVALS	
TEAM LEADER	4/23/07
ASST. DIV. CHIEF	4-23-07
DIVISION CHIEF	4/23/07
OFFICE DIRECTOR	4/23

REVISIONS

PLOTTED: @DATETIME@
FILE: @FILE@

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 4/23/07 CONTRACT NO.

DESIGNED BY R R ZACHERL
DRAWN BY W J NIES
CHECKED BY
F.A.P. NO.
COUNTY MONTGOMERY
LOGMILE 15002900.61
TIMS NO. I485
TOD NO.

TS NO. 4572 | DRAWING NO. 1 OF 4 | SHEET NO. OF

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