

DRILL HOLES

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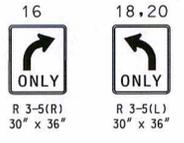
BORDER REV. DATE: June 1, 2004



Marriottsville Road is considered to run in a North/South direction.



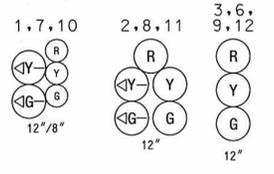
EXISTING SIGNS



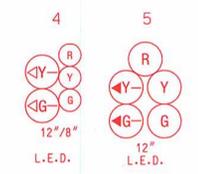
EXISTING SIGN TO BE REMOVED



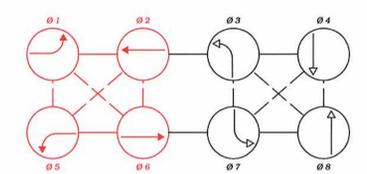
EXISTING SIGNALS



PROPOSED SIGNALS

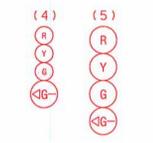


PROPOSED NEMA PHASING



NEMA notes: Phases associated by a dashed line will operate concurrently. Phases associated by a solid line will not operate concurrently.

EXISTING SIGNALS TO BE REMOVED



CONSTRUCTION DETAILS

- A. Use existing pole mounted cabinet/controller. (MD-SHA to adjust signal phasing.)
B. Replace & Relocate signal head as shown.
C. Relocate signal head/sign as shown.
D. Remove existing R3-5(R) sign.
E. Install 6' x 30' quadrupole vehicle loop detector (3-6-3 turns).
F. Install 6' x 6' vehicle loop detector (4 turns).
G. Install 1 in. flexible conduit for loop detector lead-in.
H. Install 1 in. rigid conduit for loop detector lead-in.
J. Use existing handhole. Splice new loop detector wire to existing aluminum shielded cable.
K. Install 24 in. thermoplastic white pavement marking.
L. Install thermoplastic white pavement marking symbol.
M. Replace existing loop detector if non-operational.
N. Abandon existing loop detector.

PROJECT DESCRIPTION

I. GENERAL
This project involves the modification to the existing traffic control signal at the intersection of Marriottsville Road and MD 99 (Old Frederick Road) in Howard County, Maryland. Marriottsville Road is considered to run in a north/south direction.
II. INTERSECTION OPERATION
The intersection is to be modified to operate in a NEMA eight (8) phase, full-traffic-actuated mode. There will be exclusive/permissive left turn phases for both the north and southbound movements of Marriottsville Road. The Marriottsville Road through movements will operate concurrently. There will be an exclusive/permissive left turn phases for both the east and westbound movements of MD 99 (Old Frederick Road). The MD 99 (Old Frederick Road) through movements will operate concurrently.
The existing cabinet/controller are to be utilized.
The purpose of this MOT Traffic Signal Plan is to coordinate with the Developer reconstruction of Marriottsville Rd. The County desires to have the final lane configurations installed at this time, however the planned reconstruction of the existing traffic signal will not occur until Spring 2012.

EQUIPMENT LIST

Table with columns: Quantity, Units, Description. Includes items like 12 in. one-way, five section L.E.D. traffic signal head, 12 in./8 in. one-way, five section L.E.D. traffic signal head, Sawcut for signal loop detector, Loop detector wire encased in flexible tubing, 1 in. liquid tight flexible conduit for detector sleeve, 1 in. rigid conduit for detector sleeve, 24 in. white thermoplastic pavement marking - Stop Line, Thermoplastic pavement marking - "LEFT" Arrow, Relocate Existing Traffic Signal Equipment, Remove Existing Traffic Signal Equipment.

CONTACT LIST

The contact persons for District #7 are as follows:
Mr. John Concannon, District Engineer - Traffic 301-624-8140
Mr. Richard L. Doff, Chief, Traffic Operations Division 410-787-7630
Ms. Andrea Abend, District Utility Engineer 301-624-8115
Mr. Edward Rodenhizer, Supervisor, Signal Operations 410-787-7652
Ms. Sue Palmer, Assistant District Engineer - Maintenance 301-624-8105
Mr. Kris Jagorapu, Howard County DPW/Highways/Traffic 410-313-5753

Phase Chart

Phase Chart table showing signal phases (R, Y, G, L) for 12 different phases (1-12) and their corresponding signal head configurations.

GENERAL NOTE

Loop Detector placements shall be coordinated with the County/SHA Engineers and be installed prior to Pavement Marking Installation.

1 Redline Revision Dated January 9, 2012

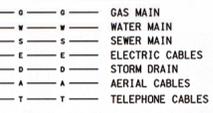
SHA MDOT - SHA O.O.T.S. Approval stamp with signature and date 2/21/2012, T.S. # 1891F T.I.M.S. # 1-770

1 MOT Temp Signal

GEOMETRIC LEGEND



UTILITY LEGEND



NOTE

These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering design Division.

The Traffic Group, Inc. Suite H 9900 Franklin Square Drive Baltimore, Maryland 21236 410-931-6600 1-800-583-8411 Fax 410-931-6601

APPROVALS and REVISIONS table with columns for role, name, date, and revision details.

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 99 (Old Frederick Road) at Marriottsville Road TRAFFIC SIGNAL PLAN SCALE 1" = 20' DATE 1/17/1983 CONTRACT NO. AW-625-0507-785 DESIGNED BY T. Zoydell COUNTY Howard DRAWN BY T. Zoydell LOGMILE 1300902.87 CHECKED BY T. Zoydell T.I.M.S. NO. 1-770 F.A.P. NO. N/A TOD NO. DRAWING NO. TS 1891F SHEET NO. 1 OF 1

F:\2004\2004-05\02\New Traffic Signal\Temp TS 1891F - Marriottsville.dgn Monday, January 09, 2012