## PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the traffic control signal at the intersection of MD 193 (Greenbelt Rd./Glenn Dale Blvd.) and MD 564 (Lanham Severn Rd.) in Prince George's County, Maryland.
MD 193 is considered to run in an east/west direction.

II. INTERSECTION PHASING

The intersection operation to remain unchanged.
The existing westbound left turn movement will be modified to operate as a double left.

The existing base mounted cabinet and controller will be utilized at this location.

## EQUIPMENT LIST

A. S.H.A. furnished equipment material.

None.

B. Equipment to be furnished and/or installed by the Contractor.
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

| Quantity | Units | Specification Section | Description |
|---|---|---|---|
| 1 | EA | 814 | 12 in., one-way, three section (RA,YA,GA) adjustable black faced traffic signal head with span wire mounting hardware and tunnel visors. (Note: This is NOT an LED signal.) |
| 2 | EA | 813 | 30 in. x 36 in. R 3-5(L) sign with span wire mounting hardware. |
| Lump Sum | LS | 108 | Mobilization. |
| Lump Sum | LS | 104 | Maintenance of traffic. |
| 105 | LF | 815 | Sawcut for signal loop detector. |
| 550 | LF | 810 | Loop detector wire (No. 14 A.W.G.) encased in flexible tubing. |
| 115 | LF | 810 | 2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.). |
| 30 | LF | 810 | 5-conductor electrical cable (No. 14 A.W.G.). |
| 10 | LF | 805 | 1 in. galvanized steel electrical conduit for loop detector sleeve. |
| 48 | LF | --- | 24 in. wide HAPPTPM - white for stop line. |
| 1 | EA | --- | Relocate signal head. |
| 2 | EA | 811 | Reset existing handhole and install concrete collar. |
| Lump Sum | LS | --- | As-built for S.H.A. (on CADD). |

## CONTACT LIST

The contact persons for District #3 are as follows:

Mr. Lee Starkloff
Assistant District Engineer - Traffic
MO - 301-513-7318
PG - 301-513-7358

Mr. Augie Rebish
Assistant District Engineer - Utility
301-513-7350

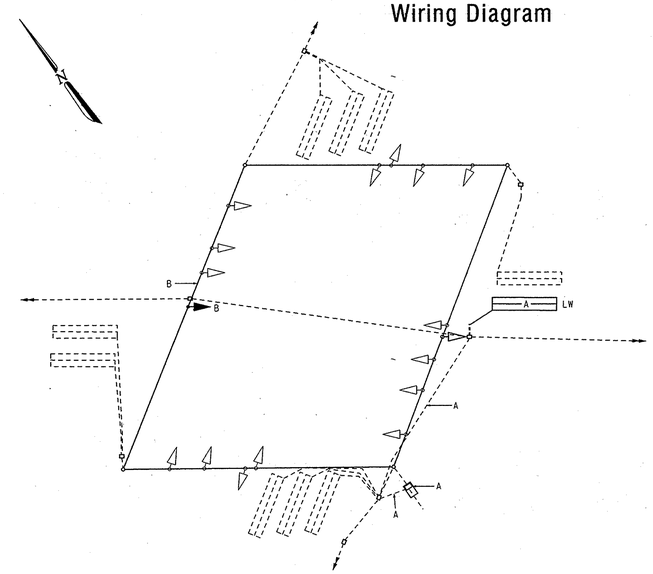
Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
301-513-7304

Mr. Richard L. Daff
Chief, Traffic Operations Division
410-787-7630

## Phase Chart

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DR DY DG | DR DY DG | R Y G | R Y G | Y | Y | DR DY DG | DR DY DG | DR DY DG | R Y G | R Y G | DR DY DG | DR DY DG | R Y G | R Y G | DR DY DG | DR DY DG | R Y G | R Y G |
| Phase 1 & 5 | G | G | R | R | FL/Y | FL/Y | G | G | G | R | R | R | R | R | R | R | R | R | R |
| 1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6 | | | | | | | | | | | | | | | | | | | |
| Phase 1 & 6 | G | G | G | G | FL/Y | FL/Y | R | R | R | R | R | R | R | R | R | R | R | R | R |
| 1 Change | Y | Y | G | G | FL/Y | FL/Y | R | R | R | R | R | R | R | R | R | R | R | R | R |
| Phase 2 & 5 | R | R | R | R | FL/Y | FL/Y | G | G | G | G | G | R | R | R | R | R | R | R | R |
| 5 Change | R | R | R | R | FL/Y | FL/Y | Y | Y | Y | G | G | R | R | R | R | R | R | R | R |
| Phase 2 & 6 | R | R | G | G | FL/Y | FL/Y | R | R | R | G | G | R | R | R | R | R | R | R | R |
| 2 & 6 Change | R | R | Y | Y | FL/Y | FL/Y | R | R | R | Y | Y | R | R | R | R | R | R | R | R |
| Phase 3 & 7 | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | G | G | R | R | G | G | R | R |
| 3 & 7 Change to Phase 3 & 8 or Phase 4 & 7 or Phase 4 & 8 | | | | | | | | | | | | | | | | | | | |
| Phase 3 & 8 | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | G | G | G | G | R | R | R | R |
| 3 Change | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | Y | Y | G | G | R | R | R | R |
| Phase 4 & 7 | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | R | R | R | R | G | G | G | G |
| 7 Change | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | R | R | R | R | Y | Y | G | G |
| Phase 4 & 8 | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | R | R | G | G | R | R | G | G |
| 4 & 8 Change | R | R | R | R | FL/Y | FL/Y | R | R | R | R | R | R | R | Y | Y | R | R | Y | Y |
| Flashing Operation | FL/R | FL/R | FL/Y | FL/Y | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R |

## Wiring Diagram




A — 2-Conductor Cable (Aluminum Shielded)

B — 5-Conductor Electrical Cable (No. 14 A.W.G.)

LW — Loop Detector Wire (No. 14 A.W.G.) in Flexible Tubing

Revision "H"

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(General Information Plan)
MD 193 (Greenbelt Rd.) at MD 564 (Lanham Severn Rd.)

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|---|---|---|---|---|---|
| DRAWN BY: F. Brownley | F.A.P. NO. N/A | TS NO. 705H-GI | SHEET NO. |
| CHECKED BY: | S.H.A. NO. BW996M82 | | |
| SCALE: N/A | COUNTY: Prince George's | T.I.M.S. NO. G-315 | 2 OF 4 |
| DATE: May 4, 2006 | LOG MILE: 160193103.44 | | |

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