

PROJECT DESCRIPTION  
GENERAL  
THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 180 (JEFFERSON PIKE) AT LANDER ROAD/ HOLTER ROAD IN FREDERICK COUNTY.  
LANDER ROAD IS BEING WIDENED ON THE EAST AND WEST SIDES TO ACCOMMODATE A LEFT TURN LANE.

INTERSECTION OPERATION  
THE INTERSECTION OPERATION IS NOT BEING CHANGED.

SPECIAL NOTES  
1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

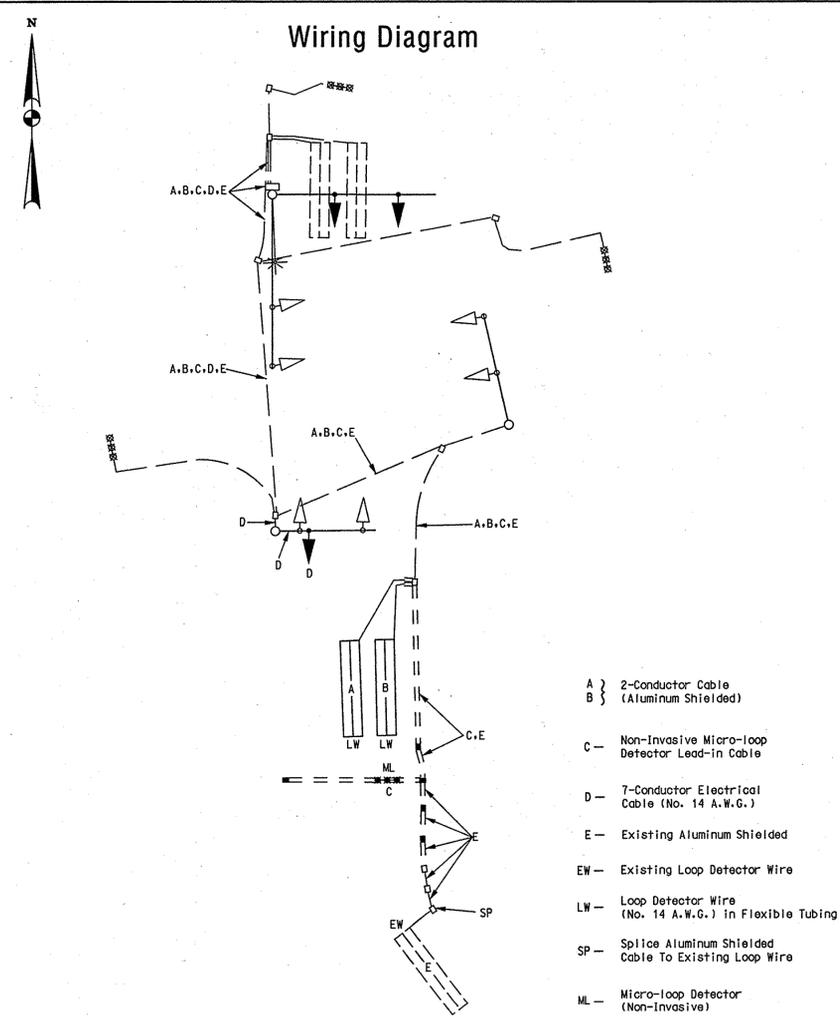
PROJECT CONTACTS:  
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MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS  
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QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MOBILIZATION.
LUMP SUM	LS	MAINTENANCE OF TRAFFIC.
3	EA	12 IN. ONE-WAY, THREE SECTION L.E.D. (R,Y,G) ADJUSTABLE BLACK FACED TRAFFIC SIGNAL HEAD WITH MAST ARM MOUNTING HARDWARE AND TUNNEL VISORS.
1	EA	30 IN. X 36 IN. R 3-5(L) SIGN WITH MAST ARM MOUNTING HARDWARE.
1	EA	24 IN. X 36 IN. R 10-6 SIGN FOR GROUND MOUNTING.
1	EA	48 IN. X 75. IN SHIELD ASSEMBLY SIGN FOR GROUND MOUNTING.
1	EA	NON-INVASIVE PROBE (SET OF 3) WITH 1000 FT. LEAD-IN CABLE.
5	EA	HANDHOLE.
250	LF	SAWCUT FOR SIGNAL LOOP DETECTOR.
930	LF	LOOP DETECTOR WIRE (NO. 14 A.W.G.) ENCASED IN FLEXIBLE TUBING.
600	LF	2-CONDUCTOR (ALUMINUM SHIELDED) ELECTRICAL CABLE (NO. 14 A.W.G.).
205	LF	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.).
10	LF	1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
250	LF	3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
225	LF	3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
1	EA	LOOP DETECTOR SPLICE.
32	LF	24 IN. WIDE HAPPTPM - WHITE FOR STOP LINE.
31	LF	4 IN. X 4 IN. WOOD SIGN SUPPORT.
2	EA	REMOVE EXISTING SIGNAL HEAD.
LUMP SUM	LS	REMOVE OF EXISTING LOOP DETECTOR CABLE (APPROX. 210 FT.).
LUMP SUM	LS	RELOCATE EXISTING LOOP DETECTOR CABLE (APPROX. 540 FT.).

**The Traffic Group, Inc.**  
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BY: J.Storck

### Wiring Diagram



### Phase Chart

1	2	3	4	5	6	7	8	9	10
R	R	R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G	G	G	G

PHASE 2 AND 6	G	G	G	G	R	R	R	R	R	R	←
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	R	↑
PHASE 4 AND 8	R	R	R	R	G	G	G	G	G	G	↑
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	Y	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	↑

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

MD 180 (JEFFERSON PIKE) AT LANDER ROAD/HOLTER ROAD

**GENERAL INFORMATION PLAN**

SCALE 1" = 20' DATE FEB. 27, 2008 CONTRACT NO. BW996M82

DESIGNED BY J. STORCK COUNTY FREDERICK  
DRAWN BY J. STORCK LOGMILE 10018008.46  
CHECKED BY TMS NO. 1820  
F.A.P. NO. TOD NO.

TS NO. 3785A-GI DRAWING - OF SHEET NO. 3 OF 3