

**PROJECT DESCRIPTION**  
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL RED LIGHT CAMERA SYSTEM AT THE INTERSECTION OF MD 202 (LANDOVER ROAD) AT KILMER STREET IN PRINCE GEORGE'S COUNTY. MD 202 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.

THE RED LIGHT CAMERA SYSTEM IS BEING RECONNECTED. EXISTING RED LIGHT CAMERA EQUIPMENT SHALL BE UTILIZED.

**INTERSECTION OPERATION**

THE EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE USED AT THIS LOCATION. THE INTERSECTION WILL CONTINUE TO OPERATE IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR THE NORTH AND SOUTHBOUND MOVEMENTS OF MD 202. THE KILMER STREET THROUGH MOVEMENTS OPERATE CONCURRENTLY WITH ACTUATED PEDESTRIAN MOVEMENTS ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION.

**PROJECT CONTACTS:**

DISTRICT #3  
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OFFICE OF TRAFFIC AND SAFETY  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
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MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS  
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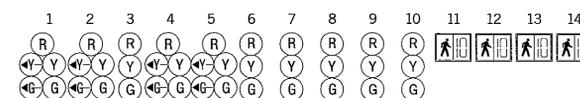
2. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP. CONTRACTOR SHALL CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
8	EA	HANDHOLE
1475	LF	3-CONDUCTOR CABLE (NO. 14 AWG)
550	LF	7-CONDUCTOR CABLE (NO. 14 AWG)
920	LF	12-PAIR (PE22) TELEMETRY CABLE (NO. 24 AWG)
635	LF	BARE COPPER GROUND WIRE (NO. 6 AWG)
205	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
45	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - BORED
260	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - SLOTTED IN ROADWAY
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH

**CONTINGENT EQUIPMENT**

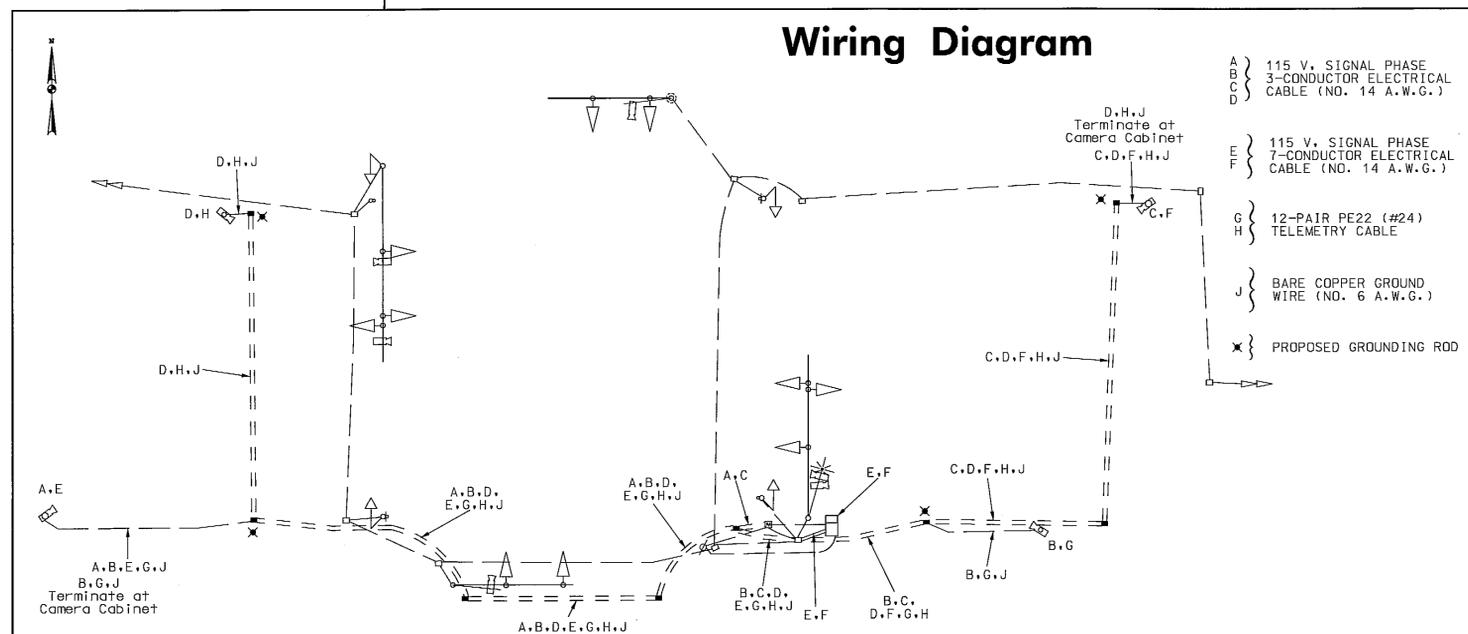
QUANTITY	UNITS	DESCRIPTION
65	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
40	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - BORED

**Phase Chart**



PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6														
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	+GG	+GG	G	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE ALT 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	FLDW	FLDW	FLDW	FLDW
ALT 4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

**Wiring Diagram**



**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 202 (LANDOVER ROAD) AT KILMER STREET  
CHEVERLY, MD

**GENERAL INFORMATION SHEET**

SCALE	NA	DATE	AUGUST 24, 2010	CONTRACT NO.	BW996M82
DESIGNED BY	J. STORCK	COUNTY	PRINCE GEORGE'S		
DRAWN BY	J. STORCK	LOGMILE	1602021.259		
CHECKED BY	B/O	TMS NO.	K271		
F.A.P. NO.	NA	TOD NO.	NA		

TS NO. 310M	DRAWING	GI-01	OF 01	SHEET NO.	2 OF 2
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