

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT RUNNING CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 140 AND MD 97 (Malcom Dr) IN CARROLL COUNTY.

INTERSECTION OPERATION

A NEW RED-LIGHT CAMERA BASE MOUNTED CABINET AND NEW ELECTRICAL SERVICE POWER PEDESTAL SHALL BE INSTALLED AT THIS LOCATION.

THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

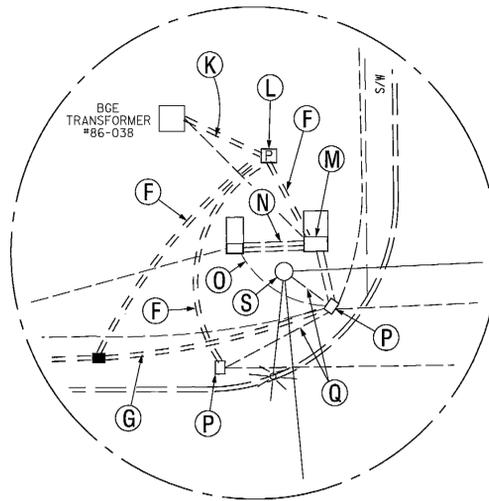
SPECIAL NOTES

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

PROJECT CONTACTS:

MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 624-8140
MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 624-8200
MR. RAYMOND F. JOHNSON, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 624-8105
MS. ANDREA ABEND, UTILITY ENGINEER
PHONE: (301) 624-8115
MR. RICHARD L. DUFF, SR., CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS
PHONE: (410) 787-7652

THE POWER COMPANY REPRESENTATIVE IS:
BALTIMORE GAS & ELECTRIC
7317 PARKWAY DRIVE SOUTH
HANDOVER, MD 21076
410-859-9070
WMS# 0001837191



Details Continued
from Sheet 1
NOT TO SCALE

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

NONE.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
6	CY	TEST PIT EXCAVATION
2	EA	LASERCRAFT RED-LIGHT CAMERA GROUND CABINET
4	EA	LASERCRAFT CAMERA ASSEMBLY
2	EA	LASERCRAFT LASER ASSEMBLY
4	EA	13 FT MILLERBERND POLE, "T" BASE
2	EA	18 FT MILLERBERND POLE, "T" BASE
75	LF	2 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
175	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
425	LF	4 IN. PVC CONDUIT [SCHEDULE 80] - BORED
300	LF	4 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
45	LF	1-CONDUCTOR CABLE (NO. 4 AWG)
975	LF	2-CONDUCTOR TRAY CABLE (NO. 12 AWG)
3700	LF	115 V POWER, SIGNAL PHASE-3 CONDUCTOR (#14) CABLE
1250	LF	115 V POWER, SIGNAL PHASE-7 CONDUCTOR (#14) CABLE
2600	LF	12-PAIR (PE122TEL) (#24) CABLE
775	LF	BARE COPPER GROUND WIRE (NO. 6 AWG)
11	EA	GROUND ROD 3/4" X 10 FT. LENGTH
10	EA	HANDHOLE
5	CY	CONCRETE FOUNDATION FOR CAMERA /LASER EQUIPMENT
1	EA	METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE
LUMP SUM	LS	REMOVE/SALVAGE EXISTING ELECTRICAL SERVICE

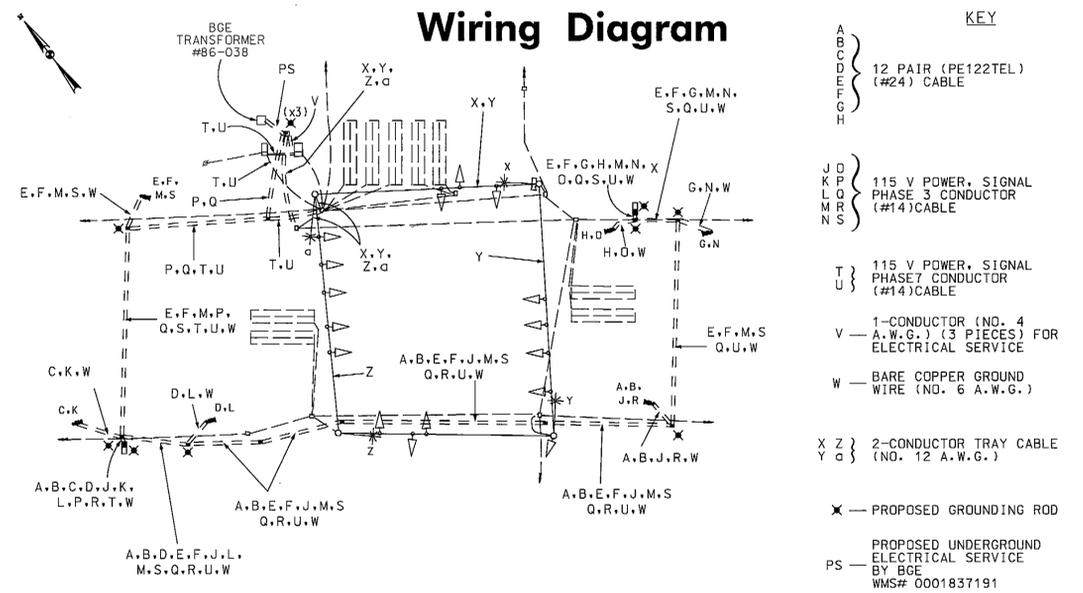
GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT 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, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES 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 EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROAD SIGNS IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. ALL UNUSED CABLE SHALL BE REMOVED.

Phase Chart

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1 AND 5	←G	←G	R	R	←G	←G	R	R	R	R	R	R	R	R	R	R
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																
PHASE 1 AND 6	←G	←G	G	G	←R	←R	R	R	R	R	R	R	R	R	R	R
1 CHANGE	←Y	←Y	G	G	←R	←R	R	R	R	R	R	R	R	R	R	R
PHASE 2 AND 5	←R	←R	R	R	←G	←G	G	G	R	R	R	R	R	R	R	R
5 CHANGE	←R	←R	R	R	←Y	←Y	G	G	R	R	R	R	R	R	R	R
PHASE 2 AND 6	←R	←R	G	G	←R	←R	G	G	R	R	R	R	R	R	R	R
2 AND 6 CHANGE	←R	←R	Y	Y	←R	←R	Y	Y	R	R	R	R	R	R	R	R
PHASE 3	←R	←R	R	R	←R	←R	R	R	R	R	R	R	R	G	G	G
PHASE 3 CHANGE	←R	←R	R	R	←R	←R	R	R	R	R	R	R	R	Y	Y	Y
PHASE 4	←R	←R	R	R	←R	←R	R	R	R	G	G	G	G	R	R	R
PHASE 4 CHANGE	←R	←R	R	R	←R	←R	R	R	R	Y	Y	Y	Y	R	R	R
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R							

Wiring Diagram



KEY

A B C D E F G H } 12 PAIR (PE122TEL) (#24) CABLE

J K P L Q M R N S } 115 V POWER, SIGNAL PHASE 3 CONDUCTOR (#14) CABLE

T U } 115 V POWER, SIGNAL PHASE 7 CONDUCTOR (#14) CABLE

V } 1-CONDUCTOR (NO. 4 A.W.G.) (3 PIECES) FOR ELECTRICAL SERVICE

W } BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

X Z } 2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)

PS } PROPOSED UNDERGROUND ELECTRICAL SERVICE BY BCE WMS# 0001837191

SHA NO:8W313M83
MD 140@MD 97
INSTALLATION OF RED LIGHT CAMERA

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 (Baltimore Blvd) at MD 97 (Malcom Dr)
City of Westminster, Maryland

GENERAL INFORMATION PLAN

SCALE: N/A DATE: September 25, 2009 CONTRACT NO.: BW990802

DESIGNED BY: J. Dirndorfer COUNTY: CARROLL
DRAWN BY: J. Dirndorfer LOGMILE: 060014008.00
CHECKED BY: TMS NO.: K-015
F.A.P. NO.: N/A TOD NO.:

TS NO. 165-P GI DRAWING: GI-01 OF 01 SHEET NO. 2 OF 2

PLOTTED: Friday, September 25, 2009 AT 11:51 AM
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The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601
"Merging Innovation and Excellence"®

BY: JDirndorfer