

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF INTERCONNECT AND SYSTEM DETECTION ON U.S. 1 BETWEEN THE INTERSECTIONS OF TAYLOR/FULLERTON AVENUE TO FOWLER AVENUE IN BALTIMORE COUNTY. U.S. 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

U.S. 1 AND TAYLOR/ FULLERTON AVENUE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

U.S. 1 AND HENRY AVENUE

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

U.S. 1 AND FOWLER AVENUE

INSTALL A MASTER CONTROLLER WITH TELEMETRY IN EXISTING BASE MOUNTED CABINET. THE DETECTOR RACK SHOULD BE RETROFITTED TO INSTALL (3) FOURCHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS IN THE EXISTING BASE MOUNTED CABINET.

MAINTENANCE OF TRAFFIC

THE FOLLOWING MINIMUM TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

- STANDARD NO. MD-104.03-01 (SHOULDER WORK)
- STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)
- STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

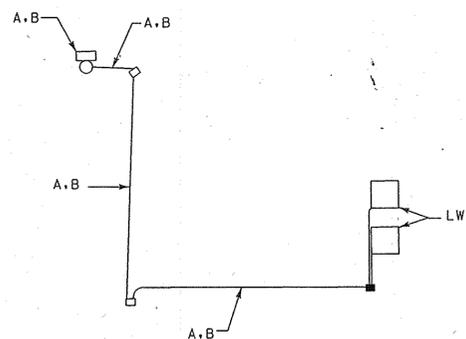
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

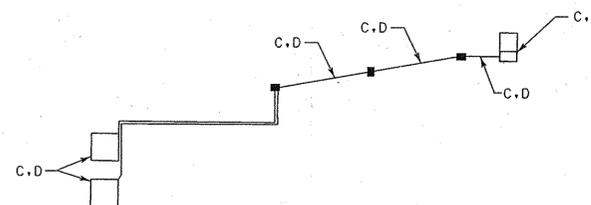
WIRING KEY

A
B
C
D } 2-CONDUCTOR ELECTRICAL
CABLE ALUMINUM SHIELDED
(NO. 14 A.W.G.)

LW - LOOP WIRE (NO. 14 A.W.G.)



U.S. 1 AND TAYLOR/FULLERTON AVENUE



U.S. 1 AND FOWLER AVENUE

EQUIPMENT LIST "C"

ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	RETRO-FIT DETECTOR RACK
9000	3 EACH	QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL
9016	3 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9045	1 EACH	CONTROLLER, MASTER ASC 10.000 WITH TELEMETRY

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	3 EACH	MAINTENANCE OF TRAFFIC
2002	8 C.Y.	TEST PIT EXCAVATION
6004	180 S.F.	4 INCH CONCRETE SIDEWALK
8003	2 EACH	3/4" TO 3" BLIND COUPLING WELDED AND GALVANIZED
8009	1 EACH	CONDUIT BEND IN EXISTING FOUNDATION
8022	1 EACH	REMOVE & DISPOSE OF EQUIPMENT
8032	175 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES (BORED)
8033	2500 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES (SLOTTED)
8034	290 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES (TRENCHED)
8041	20 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8044	19 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8051	3800 L.F.	12-PAIR COMMUNICATION CABLE, JELLY FILLED (UNDERGROUND)
8055	420 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8061	650 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8062	200 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)

TOD NO: AT914-02
SHA No: BA651A51/B51
US 1: Taylor Ave. to Fowler Ave

TSP-3

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 1 From Taylor Avenue to Fowler Avenue
Overlea, MD

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	3-30-07	CONTRACT NO.	AT91451B5
DESIGNED BY	B. DONOWAY	COUNTY	BALTIMORE		
DRAWN BY	B. DONOWAY	LOGMILE			
CHECKED BY	N. LEARY	TMS NO.	H407		
FAP NO.		TOD NO.			
TS NO.	DRAWING	OF		SHEET NO.	3 OF 3

WR&A
Whitman, Requardt
and Associates, LLP
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Baltimore, Maryland 21231
(410) 235-3450

AC-CMG-STPG-000A(210)E

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BY: bdonoway