## PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION VIDEO DETECTION CAMERAS AND ACCESSIBLE PEDESTRIAN SIGNALS ALONG US 50 (BUSINESS) AT THE INTERSECTIONS OF MD 349 / ISABELLA ST., DELAWARE AVE, CYPRESS STREET, LAKE STREET, MILL SREET, N. DIVISION STREET, BAPTIST STREET, WARD/ WILLIAMS STREET, NAYLOR STREET, TRUITT STREET AND MD 346 (EAST MAIN STREET) IN WICOMICO COUNTY, MARYLAND. US 50 (BUSINESS) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTIONS OPERATIONS WILL REMAIN THE SAME, EXCEPT AT MD 349 / ISABELLA STREET INTERSECTION WHERE THE MD 349 AND ISABELLA STREET APPROACHES WILL BE SPLIT.

CONTROLLER REQUIREMENTS

SHA FORCES WILL REPLACE THE CONTROLLER CABINETS AT THE INTERSECTIONS OF N. DIVISION ST., LAKE ST., WARD ST., DELAWARE AVE., BAPTISIT ST., TRUITT ST., AND NAYLOR ST.

## MAINTENANCE OF TRAFFIC

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

STANDARD NO. MD-104.04-01 (SHOULDER WORK)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)
STANDARD NO. MD-104.04-13 (LEFT-TURN BAY CLOSURE)
STANDARD NO. MD-104.04-15 (INTERSECTION TURN BAY CLOSURE)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. GENE COFIELL
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040

MR. JAMES R. WRIGHT
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010

MR. BRUCE W. POOLE
DISTRICT UTILITY ENGINEER
PHONE: (410) 677-4082

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

## EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

| CATEGORY CODE. | QUANTITY | DESCRIPTION |
|---|---|---|
| 971016 | 1 EACH | EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH SYSTEM PACKAGE HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET |
| 973023 | 54 S.F. | SHEET ALUMINUM SIGNS |
| 971017 | 6 EACH | EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH SYSTEM PACKAGE HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET |
| 900000 | 8 EACH | VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS |

## EQUIPMENT LIST "C"

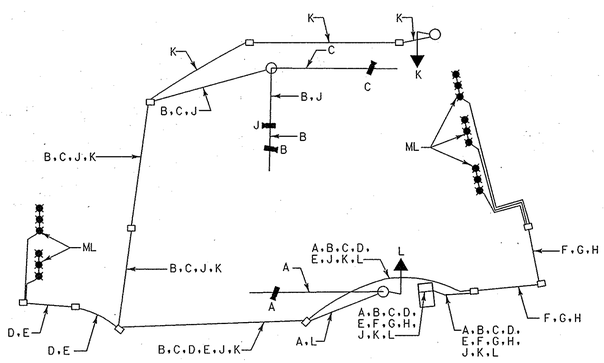
ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

## EQUIPMENT LIST "B"

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

| CATEGORY CODE | QUANTITY | DESCRIPTION |
|---|---|---|
| 655104 | 240 S.F. | 4 INCH CONCRETE SIDEWALK |
| 805160 | 140 L.F. | 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE |
| 801004 | 15 C.Y. | CONCRETE FOR SIGNAL STRUCTURE |
| 802501 | 500 L.F. | STRANDED BARE COPPER GROUND WIRE |
| 805115 | 80 L.F. | 3 INCH SCHEDULE 80, RIGID PVC CONDUIT-BORED |
| 805135 | 480 L.F. | 3 INCH SCHEDULE 80, RIGID PVC CONDUIT-TRENCHED |
| 810550 | 20 EACH | MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN CABLE |
| 810555 | 3 EACH | MICROLOOP PROBE SET WITH 1,000 FOOT LEAD-IN CABLE |
| 811001 | 1 EACH | FURNISH AND INSTALL ELECTRICAL HANDHOLE |
| 813015 | 54 S.F. | INSTALL OVERHEAD SIGN |
| 818004 | 16 ~~15~~ EACH | 10 FT. BREAKAWAY PEDESTAL POLE |
| 837001 | 15 EACH | GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH |
| 816001 | 25 EACH | VIDEO DETECTION CAMERA |
| 860284 | 16 EACH | 12 IN. LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| 862102 | 740 L.F. | SAW CUT FOR SIGNAL (LOOP DETECTOR) |
| 861105 | 3100 L.F. | ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) |
| 861107 | 5500 L.F. | ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) |
| 800000-A | 1 EACH | ADJUST EXISTING HANDHOLE TO FINAL GRADE |
| 800000-B | 30 EACH | AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION |
| 800000-C | 10 EACH | AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT |
| 800000-D | 25 EACH | 16 IN. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD |
| 800000-E | 10 EACH | CUT, CLEAN, GALVANIZE AND CAP SIGNAL STRUCTURE |
| 800000-F | 2 EACH | CONTROL CABLE, 100 FOOT, VIDEO DETECTION CABLE |
| 800000-G | 8 EACH | CONTROL CABLE, 200 FOOT, VIDEO DETECTION CABLE |
| 800000-H | 9 EACH | CONTROL CABLE, 300 FOOT, VIDEO DETECTION CABLE |
| 800000-I | 1 EACH | REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT |
| 800000-J | 1 EACH | INSTALL CONDUIT BEND IN EXISTING FOUNDATION |
| 800000-K | 6 EACH | CONTROL CABLE, 400 FOOT, VIDEO DETECTION CABLE |

## WIRING DIAGRAMS




WIRING KEY

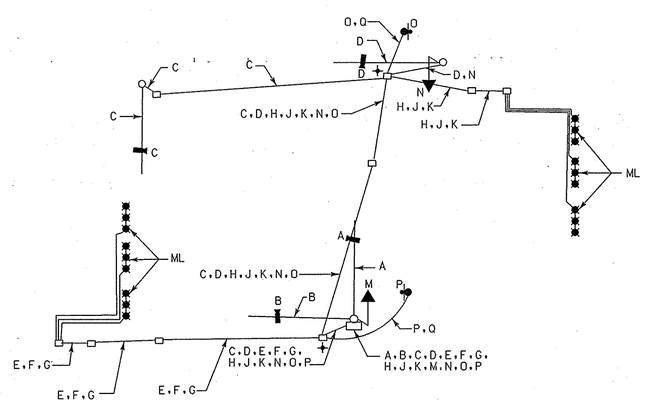
A, B, C, J } VIDEO CAMERA DETECTION LEAD-IN CABLE

D, E, F, G, H } MICROLOOP PROBE LEAD-IN

K, L } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

ML - MICROLOOP PROBE SET

US 50 (BUSINESS @ WARD /WILLIAM ST.




WIRING KEY

A, B, C, D } VIDEO CAMERA DETECTION LEAD-IN CABLE

E, F, G } MICROLOOP PROBE LEAD-IN

H, J, K

M, N } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

O, P } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

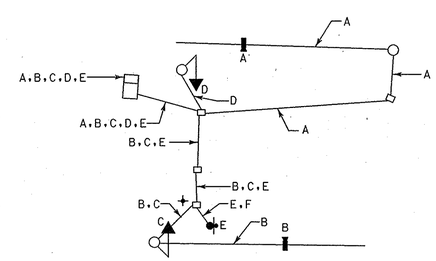
Q } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

ML - MICROLOOP PROBE SET

⏚ - 3/4 IN. X 10 FT. GROUND ROD

ML - MICROLOOP PROBE SET

US 50 (BUSINESS @ NAYLOR ST.




WIRING KEY

A, B } VIDEO CAMERA DETECTION LEAD-IN CABLE

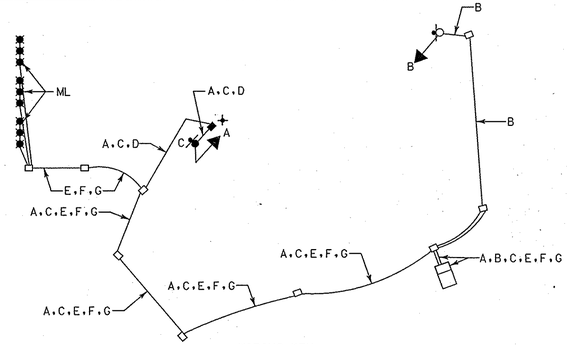
C, D } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

E } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

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

⏚ - 3/4 IN. X 10 FT. GROUND ROD

US 50 (BUSINESS @ TRUITT ST.




WIRING KEY

A, B } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

C } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

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

E, F, G } MICROLOOP PROBE LEAD-IN

ML - MICROLOOP PROBE SET

⏚ - 3/4 IN. X 10 FT. GROUND ROD

US 50 (BUSINESS @ MD 346

Addendum No. 1
WI3305177
Revised Pedestrian Crossing
TEDD Approval: JAN 6/2/06

WR&A
Whitman, Requardt and Associates, LLP
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SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 BUSINESS (SALISBURY PKWY) TRAFFIC SIGNALS
SALISBURY, MD

## GENERAL INFORMATION SHEET

SCALE NONE DATE 4/4/2006 CONTRACT NO. WI3305177

DESIGNED BY B. DONOWAY
DRAWN BY B. DONOWAY
CHECKED BY N. LEARY
F.A.P. NO.
COUNTY WICOMICO
LOGMILE
T.I.M.S. NO. H462
TOD NO.

DRAWING NO. - OF SHEET NO. 12 OF 12

PLOTTED: 4/17/2006
FILE: N:\3195687\CADD\PSG-N012_US50.DGN

BY: JRASMUSSEN