

PROJECT DESCRIPTION

THIS PROJECT INVOLVES SIGNAL MODIFICATION AT THE INTERSECTION OF US 40 (W. PATRICK ST) AT US 40 ALTERNATE (OLD NATIONAL PIKE), INCLUDING THE INSTALLATION OF IP-BASED VIDEO DETECTION EQUIPMENT AND NON-INVASIVE MICROLOOP PROBES. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA TWO-PHASE FULL-TRAFFIC-ACTUATED MODE WITH A CONCURRENT PEDESTRIAN PHASE FOR THE SOUTH LEG OF THE INTERSECTION. THE US 40 WESTBOUND LEFT TURNS OPERATE IN EXCLUSIVE PHASING WITH FLASHING RED OPERATION. THE WESTBOUND THROUGH LANES BEING A FREE-FLOW MOVEMENT.

CONTROLLER REQUIREMENTS

THE EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN. THE EXISTING 2-WIRE APS CENTRAL CONTROL UNIT SHALL REMAIN. IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY SHA.

EQUIPMENT LIST "A, B & C"

A. EQUIPMENT TO BE SUPPLIED BY SHA.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9124	VIDEO DETECTION INTERFACE EQUIPMENT: 1-8 CAMERAS	EA	1

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

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1002	MAINTENANCE OF TRAFFIC	EA	1
8007	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT	EA	1
8008	VIDEO DETECTION CAMERA & CABLE	EA	1
8012	PULL BACK & RE-ROUTE CABLES	LF	840
8013	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED	LF	225
8015	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED	LF	520
8017	NONINVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE	EA	2
8018	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	5

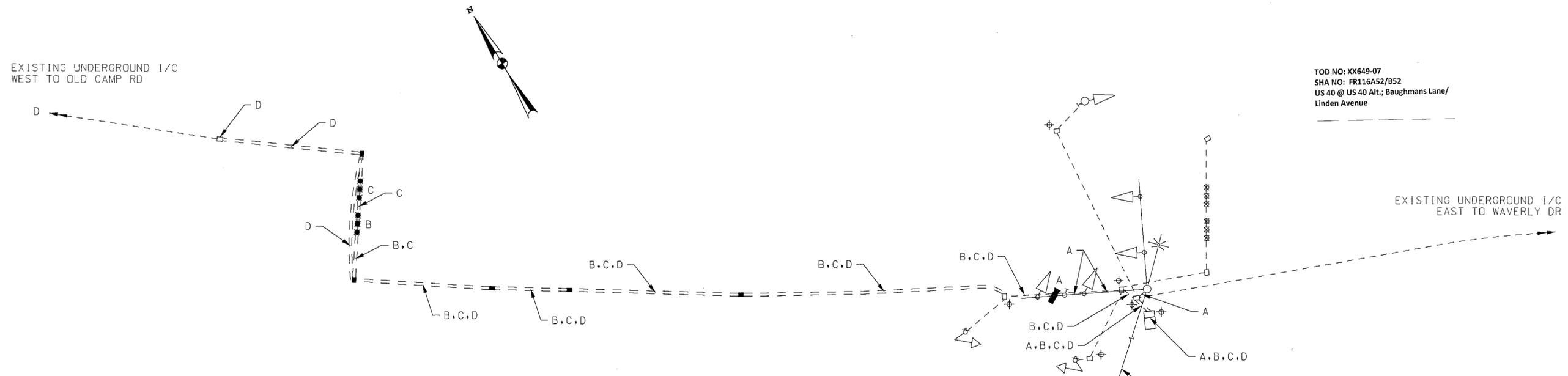
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASING CHART

NO PHASING CHANGES

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
2. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
3. UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" 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 WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
4. THE CONTRACTOR SHALL CAP AND ABANDON CONDUIT FEEDING SIGNAL EQUIPMENT THAT IS REMOVED.
5. VIDEO CAMERA LOCATIONS/ALIGNMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
6. ADDITIONAL SLACK SHALL BE PROVIDED FOR INTERCONNECT CABLE IN HANDHOLES WHERE POSSIBLE. THE EXISTING INTERCONNECT CABLE SHALL NOT BE CUT TO A SHORTER LENGTH.



TOD NO: XX649-07
SHA NO: FR116A52/B52
US 40 @ US 40 Alt.; Baughmans Lane/
Linden Avenue

CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

MR. JOHN CONCANNON ASST. DISTRICT ENGINEER-TRAFFIC PHONE: (301) 624-8140
MR. JOHN HUCHROWSKI ASST. DISTRICT ENGINEER-CONSTRUCTION (301) 624-8200

MS. SUE PALMER ASST. DISTRICT ENGINEER-MAINTENANCE (301) 624-8105

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF TRAFFIC OPERATIONS (410)787-7630

MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS (410)787-7650

MR. EUGENE BAILEY CHIEF, SIGN OPERATIONS (410)787-7676

A	IP-BASED VIDEO DETECTION CAMERA CABLE
B,C	NON-INVASIVE MICROPROBE SET WITH 1000 FT. LEAD-IN CABLE
D	DISCONNECT, PULLBACK AND REROUTE EXISTING COMMUNICATION CABLE
PF	EXISTING OVERHEAD POWER FEED
⊕	EXISTING GROUND ROD



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

US 40 (W. PATRICK STREET) AT
US 40 ALT. (OLD NATIONAL PIKE)
FREDERICK, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE SEPTEMBER 2012 CONTRACT NO. XX6495185

DESIGNED BY WFW COUNTY FREDERICK

DRAWN BY WFW LOG/MILE 10004011.67

CHECKED BY B.J.G. TIMS NO. L-410

FAP NO. TOD NO.

TS NO. 3256B-01 DRAWING SP-2 OF 4 SHEET NO. 2 OF 4

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BY: WFW