PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE CONSTRUCTION OF AN ADDITIONAL THRU LANE ALONG THE SOUTHBOUND APPROACH OF US 301 AT ITS INTERSECTION WITH TRADE ZONE AVENUE IN PRINCE GEORGE'S COUNTY. THE CONSTRUCTION OF THE ADDITIONAL THRU LANE INCLUDES THE RELOCATION OF AN EXISTING TRAFFIC SIGNAL POLE, THE REPLACEMENT OF EXISTING SIGNAL HEADS, THE REMOVAL OF EXISTING HANDHOLES, THE INSTALLATION OF PROPOSED HANDHOLES, AND THE REPLACEMENT OF LOOP DETECTORS ALONG US 301 SOUTHBOUND AND TRADE ZONE AVENUE.

US 301 RUNS IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THERE ARE NO CHANGES IN THE INTERSECTION OPERATION OF THE ABOVE REFERENCED INTERSECTION.

PROJECT CONTACTS

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS

MR. LEE STARKLOFF
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-513-7318

MR. AUGUSTINE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
301-513-7304

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-513-7350

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

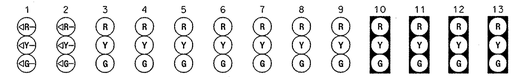
MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7676

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

PHASE CHART



PHASE 1 & 6	◄G-	◄G-	G	G	R	R	R	R	R	R	R	G	G	
1 CHANGE	◄Y-	◄Y-	G	G	R	R	R	R	R	R	R	G	G	
OLA CLEAR	◄R-	◄R-	G	G	R	R	R	R	R	R	R	G	G	
OLA CHANGE	◄R-	◄R-	G	G	R	R	R	R	R	R	R	Y	Y	
PHASE 2 & 6	◄R-	◄R-	G	G	G	G	G	R	R	R	R	R	R	
2 & 6 CHANGE	◄R-	◄R-	Y	Y	Y	Y	Y	R	R	R	R	R	R	
PHASE 4	◄R-	◄R-	R	R	R	R	R	G	G	G	G	R	R	
4 CHANGE	◄R-	◄R-	R	R	R	R	R	Y	Y	G	G	R	R	
OLB CLEAR	◄R-	◄R-	R	R	R	R	R	R	R	G	G	R	R	
OLB CHANGE	◄R-	◄R-	R	R	R	R	R	R	R	Y	Y	R	R	
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA

NONE

EQUIPMENT LIST "B"

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

ITEM NO.	QUANTITY	DESCRIPTION
203030	1 C.Y.	TEST PIT EXCAVATION
800000	14 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF:
		- 1 EACH R3-2 (24 IN. x 24 IN.) - MAST ARM MOUNT
		- 1 EACH D3-2 (16 IN. x VARIABLE.) - MAST ARM MOUNT
801004	3 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802501	185 L.F.	BARE COPPER STRANDED GROUND WIRE (NO. 6 A.W.G.)
805115	65 L.F.	3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
805135	420 L.F.	3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805118	130 L.F.	4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
805140	70 L.F.	4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	10 L.F.	1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810605	1 EACH	NONINVASIVE MICRO-LOOP PROBE SET, 1,000 FT. LEAD IN CABLE
811001	6 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
818021	1 EACH	27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS
831010	1 EACH	250 WATT H.P.S. LAMP AND LUMINAIRE
837001	1 EACH	GROUND ROD -3/4IN. DIAMETER X 10 FT. LENGTH
860284	15 EACH	12 IN. LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
861104	530 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861107	100 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
861108	800 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
861116	240 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 A.W.G.)
862101	650 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
862102	170 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
866104	1 EACH	20 FT. LIGHTING ARM ON SIGNAL STRUCTURE

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM

A,B,C } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

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

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

H,I,J } NON-INVASIVE MICROLOOP TRIPLE PROBE SET (1,000 FEET)

K,L } 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED.

M,N } USE THE EXISTING 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

O,P,Q,R } USE THE EXISTING 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

S } USE THE EXISTING 2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)

T,U,V } USE THE EXISTING 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED.

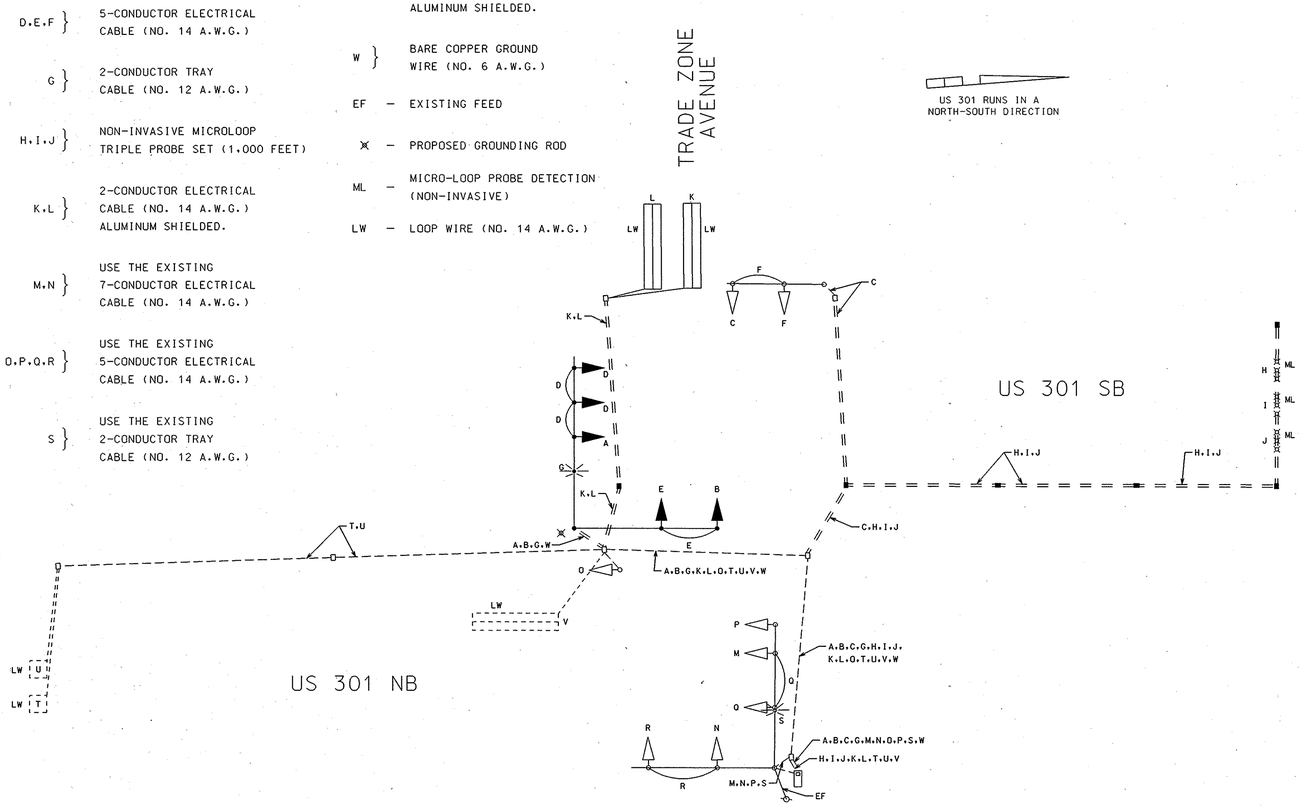
W } BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

EF - EXISTING FEED

- PROPOSED GROUNDING ROD

ML - MICRO-LOOP PROBE DETECTION (NON-INVASIVE)

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



GPI
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN
US 301 AT TRADE ZONE AVENUE

DRAWN BY:	M. LEVAN	F.A.P. NO.		TS NO. TS-3220 A	SHEET NO.
CHECKED BY:	B. BOERCHERS	S.H.A. NO.	BW996M82		
SCALE:	Not to Scale	COUNTY:	PRINCE GEORGES	T.I.M.S. NO. H328	02 OF 02
DATE:	09/2005	LOG MILE:	16030118.84		