

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 AND MD 152 IN HARFORD COUNTY. THE WORK IS NECESSITATED BY RESURFACING AND MEDIAN CONSTRUCTION ALONG US 40. US 40 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION. WORK WILL CONSIST OF REPLACING DETECTION AND SIGNAL HEADS.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASING ON ALL APPROACHES TO THE INTERSECTION. THIS PHASING WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A NEMA "6" BASE MOUNTED CABINET WILL BE USED.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

QUANTITY	DESCRIPTION
56 SF	SHEET ALUMINUM SIGNS TO CONSIST OF THE FOLLOWING: SHIELD ASSEMBLY "EAST-US 40-LT. ARROW" (36" X 75")-POLE MOUNTED SHIELD ASSEMBLY "EAST-US 40-RT. ARROW" (24" X 51")-POLE MOUNTED SHIELD ASSEMBLY "WEST-US 40-RT. ARROW" (24" X 51")-POLE MOUNTED SHIELD ASSEMBLY "WEST-US 40-LT. ARROW" (36" X 75")-POLE MOUNTED

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
585624	70 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
860272	57 EA	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
810555	3 EA	FURNISH AND INSTALL MICRO-LOOP PROBE 1000 FT. LEAD-IN CABLE
800000	LS	REMOVE AND DISPOSE OF EXISTING MATERIALS AND EQUIPMENT
805155	160 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
805160	50 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
811001	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
862102	280 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
813015	56 SF	INSTALL OVERHEAD SIGNS
862101	540 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 321-2781/2785	MS. SUENETTE POPE DISTRICT UTILITY ENGINEER (410) 321-2841
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MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676
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MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

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

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

SG-02

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
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Gambrills, MD 21054
(410) 923-7101

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SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
US 40 AND MD 152

DRAWN BY: T. ZAYDEL	F.A.P. NO. NA	TS NO.	SHEET NO.
CHECKED BY: K. SCHMID	S.H.A. NO.	T.I.M.S. NO. G897	47 OF 100
SCALE: NONE	COUNTY: HARFORD	LOG MILE:	
DATE: 2-18-05			