

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF PEDESTRIAN SIGNAL INDICATIONS AT THE INTERSECTIONS OF MD 4 AND PARKLAND DRIVE AND WALTERS LANE. IN PRINCE GEORGES CO., MARYLAND. MD 4 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

PARKLAND DRIVE:

THE INTERSECTION OPERATION WILL REMAIN THE SAME EXCEPT THAT PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS BOTH LEGS OF PARKLAND DRIVE AND ALTERNATE PEDESTRIAN PHASES ARE PROVIDED ACROSS BOTH LEGS OF MD 4.

WALTERS LANE:

THE INTERSECTION OPERATION WILL REMAIN THE SAME EXCEPT THAT PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS THE NORTH LEG (EXISTING SOUTH LEG CROSSING TO REMAIN) OF WALTERS LANE AND AN ALTERNATE PEDESTRIAN PHASE WILL BE PROVIDED ACROSS WEST LEG (EXISTING EAST LEG CROSSING TO REMAIN) OF MD 4.

CONTROLLER REQUIREMENTS

PARKLAND DRIVE:

EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

WALTERS LANE:

EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE DETECTOR RACK SHALL BE RETRO-FITTED WITH FOUR (4) FOUR-CHANNEL TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
963010	4 EACH	FOUR CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
900000	1 EACH	RETRO-FIT DETECTOR RACK
973023	55 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 4 EACH D-3(1) SIGN (VARIABLE x 16 IN.) - STRAIN POLE MOUNT - 1 EACH D-3(1) SIGN (VARIABLE x 16 IN.) DUAL FACED - SPAN MOUNT

EQUIPMENT LIST "C"

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST "B"

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

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
120500	LUMP SUM	MAINTENANCE OF TRAFFIC
203030	16 C.Y.	TEST PIT EXCAVATION
585407	40 L.F.	5 INCH YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585412	1865 L.F.	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585424	200 L.F.	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585428	2 EACH	LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING ARROWS
585462	1020 L.F.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
585464	2 EACH	REMOVAL OF EXISTING PERMANENT PAVEMENT MARKING LETTERS, SYMBOLS, ARROWS AND NUMBERS
800000	LUMP SUM	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	8 EACH	L.E.D. PEDESTRIAN COUNTDOWN SIGNAL
801004	16 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802145	3 EACH	ADJUST EXISTING HANDHOLE TO GRADE
802501	1325 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
805011	85 L.F.	1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
805118	395 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805125	235 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805135	45 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805140	10 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	30 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
811001	6 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	55 S.F.	INSTALL OVERHEAD SIGN
818004	16 EACH	10 FT. BREAKAWAY PEDESTAL POLE
837001	16 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
860282	16 EACH	12 IN. PED SIG HEAD SECTION - POLE MOUNT
861104	2550 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
861105	2305 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G)
861107	3300 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G)
862101	4600 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G)
862102	1200 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
865001	10 EACH	PUSHBUTTON AND SIGN

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT AS A MINIMUM. ADDITIONAL STANDARDS MAYBE REQUIRED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)	STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)	STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)	STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING)
STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)	

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. MAJIB SHAKIB
PHONE: (301) 513-7358
ASSISTANT DISTRICT ENGINEER - TRAFFIC

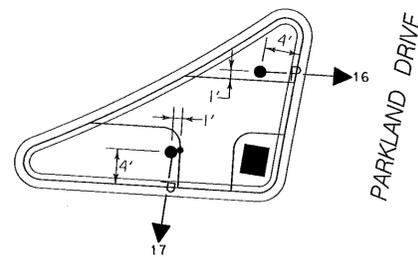
MR. RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350

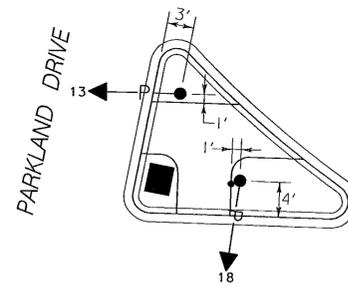
MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

DIMENSION DIAGRAM

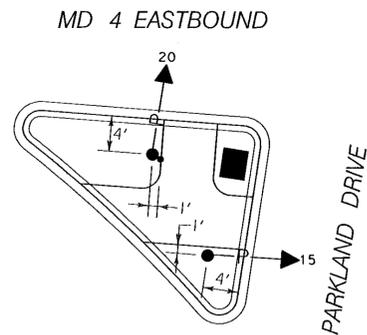
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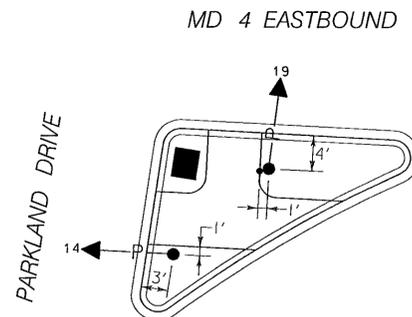
MD 4 WESTBOUND



MD 4 WESTBOUND



MD 4 EASTBOUND



MD 4 EASTBOUND

TSP-4

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 4 INTERSECTIONS



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DRAWN BY: S. BLOSS	F.A.P. NO.	TS NO.	
CHECKED BY: N. LEARY	S.H.A. NO. PG6395176		SHEET NO.
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: 3/28/2005	LOG MILE:		61 OF