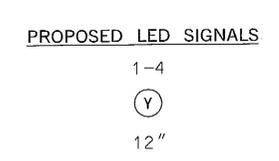
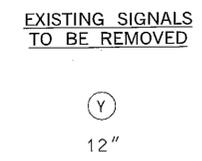
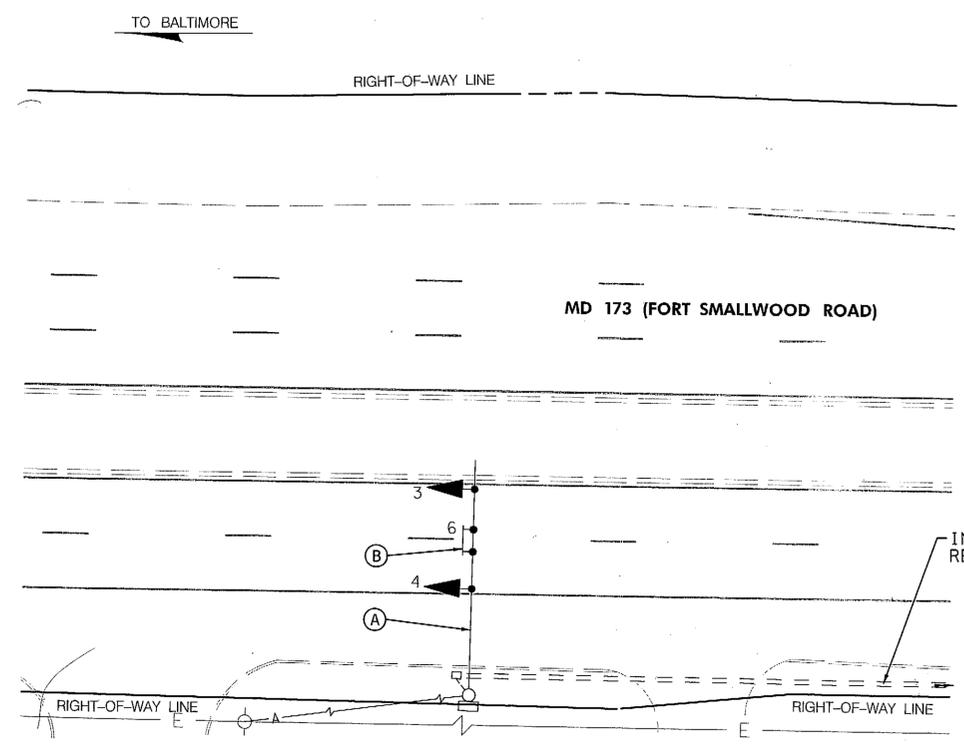


MD 173 (FORT SMALLWOOD ROAD)
IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

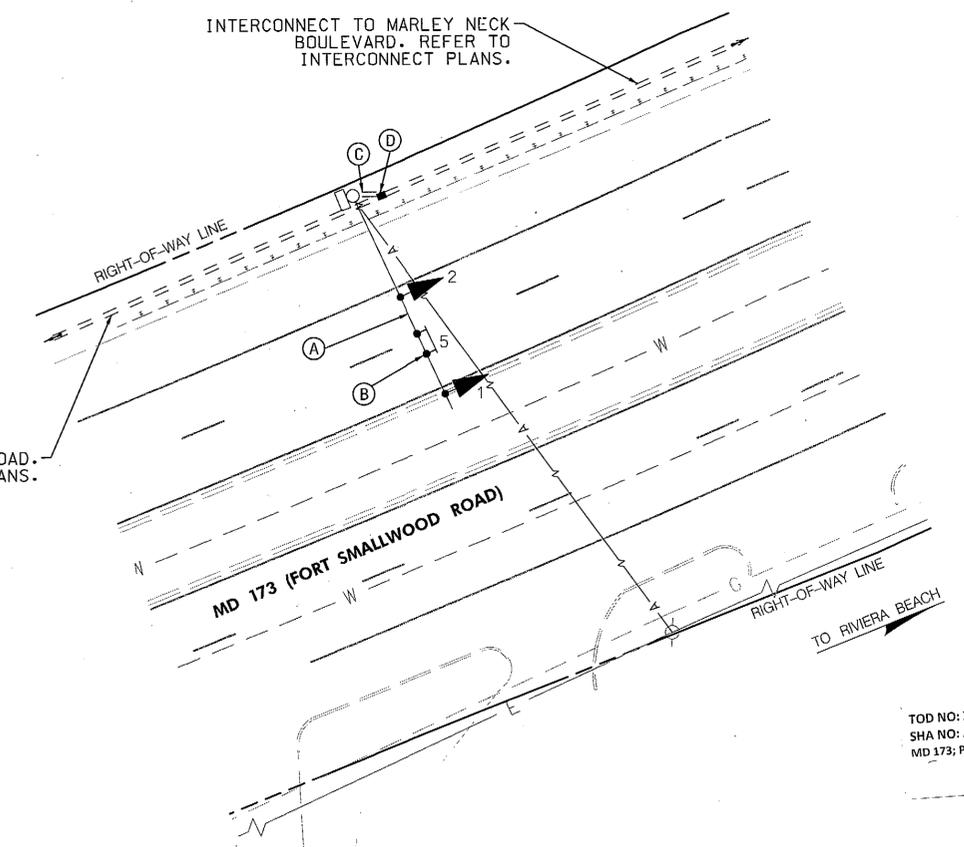


700' +/- NORTH OF PITTMAN ROAD



INTERCONNECT TO PITTMAN ROAD.
REFER TO INTERCONNECT PLANS.

600' +/- SOUTH OF KEMBO ROAD



TOD NO: XX647-22
SHA NO: AA127B5D
MD 173; Pittman Rd to Energy Parkway

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE ADMINISTRATION

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9571	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGNS CONSISTING OF: SP-1 (10' X 3') MAST ARM MOUNT	SF EA	60 2

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

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	SEE SHEET 2 OF 15
8001	12 INCH LED SIGNAL HEAD SECTION	EA	4
8023	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	EA	SEE SHEET 2 OF 15
8038	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	5
8040	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	LF	60
8042	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	5
8046	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1

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

PANEL DESIGNATION	QUANTITY	LEGEND	SIZE			COLOR		BORDER		REMARKS
			AREA	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH	RADIUS	
SP-1	2		30 SF	10'-0"	3'-0"	BLK	FY	1.5"	6"	SHEET ALUMINUM INSET = 1.5"

LEGEND & BACKGROUND COLORS: BLK=BLACK, FY=FLUORESCENT YELLOW

I. GENERAL

This project involves the modification of the existing hazard identification beacons along NB and SB MD 173 approaching the intersection with Pittman Road in Anne Arundel County. Existing signal heads will be upgraded to LEDs and signs will be upgraded to fluorescent yellow. MD 173 is assumed to run in a north-south direction.

PROJECT DESCRIPTION

NOTES

- All underground and overhead 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.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONSTRUCTION DETAILS

- REPLACE ALL EXISTING MAST ARM MOUNTED SIGNAL HEADS WITH NEW LED SIGNALS AT THE SAME LOCATION. USE EXISTING CABLES.
- REMOVE EXISTING SIGN AND REPLACE WITH NEW SIGN AT THE SAME LOCATION.
- EXCAVATE AROUND EXISTING POLE AND INTERCEPT CONDUIT BEND. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED TO EXTEND EXISTING CONDUIT. INSTALL ONE (1) NO. 6 AWG STRANDED BARE COPPER GROUND WIRE IN CONDUIT.
- INSTALL HANDHOLE WITH GROUND ROD.

DISTRICT

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-841-1019

MR. MIKE HUBER
UTILITY ENGINEER
410-841-1039

MR. JAMES FOLDEN
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-841-1031

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-841-1013

CONTACTS

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
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ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
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MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

GEOMETRIC LEGEND

--- EXISTING

UTILITY LEGEND

---SD---	STORM DRAIN
---G---	GAS MAIN
---W---	WATER MAIN
---SAN---	SEWER MAIN
---UG ELEC---	ELECTRIC CABLES
---E---	AERIAL CABLES
---UG TEL---	TELEPHONE CABLES
---UG FO---	FIBER-OPTIC

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

MD 173 (FORT SMALLWOOD ROAD) 700' NORTH OF PITTMAN ROAD & MD 173 (FORT SMALLWOOD ROAD) 600' SOUTH OF KEMBO ROAD
CURTIS BAY, MARYLAND

HAZARD IDENTIFICATION BEACON PLAN

SCALE 1" = 20' DATE 08-25-1995 CONTRACT NO. _____

DESIGNED BY _____ COUNTY ANNE ARUNDEL
DRAWN BY K. WINKLER LOGMILE 02017308.25 02017308.63
CHECKED BY _____ TIMS NO. _____
FAP NO. _____ TOD NO. _____

TS NO. 3752A DRAWING SG-09 OF 15 SHEET NO. 9 OF 15

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APPROVALS

REVISIONS

TEAM LEADER TRAFFIC ENGINEERING DIVISION

ASSY. CHIEF TRAFFIC ENGINEERING DIVISION

CHIEF TRAFFIC ENGINEERING DIVISION

DIRECTOR OFFICE OF TRAFFIC & SAFETY

UPGRADE TO LEDS AND INSTALL INTERCONNECT
SHA NO. X06475185 TIMS NO. H408 08-2012
SWA 14 F 1757