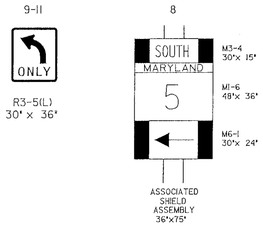
US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

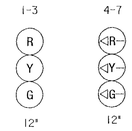
PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF THE STRUCTURE AND BASE LOCATED IN THE MEDIAN DUE TO DAMAGE TO THE POLE BASE

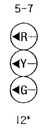
EXISTING SIGNS TO BE RELOCATED TO NEW STRUCTURE



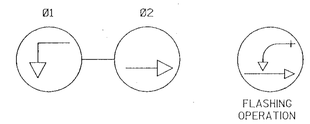
EXISTING SIGNALS

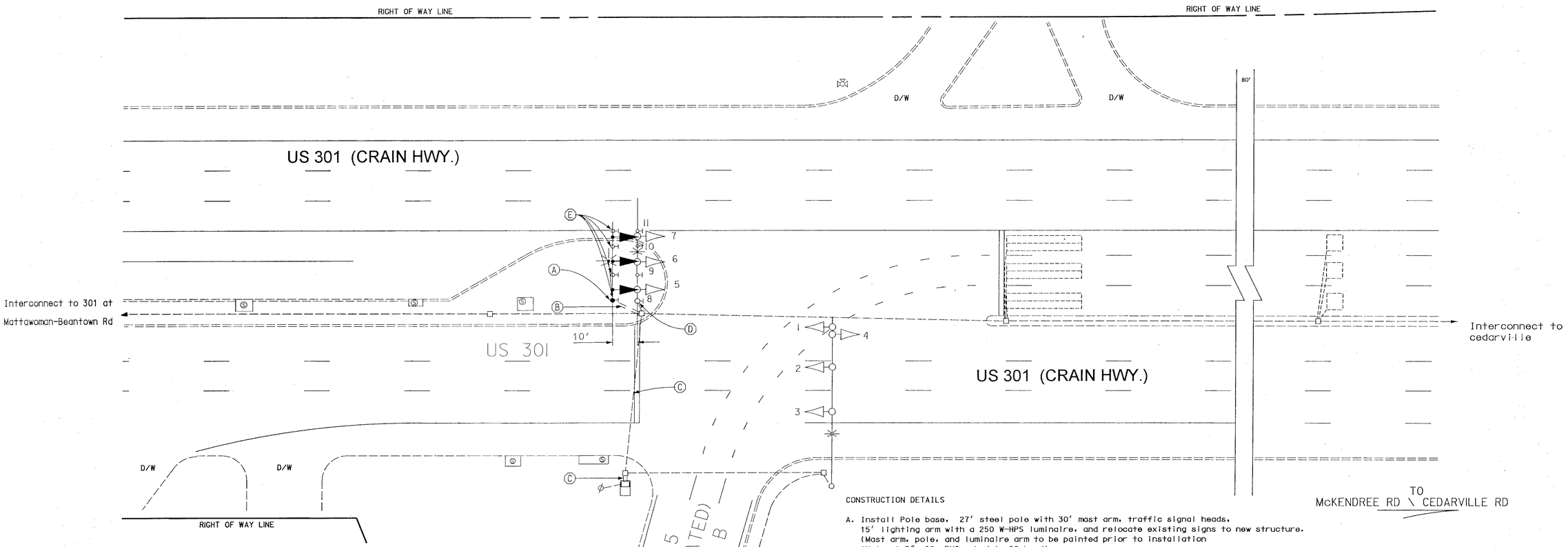


PROPOSED SIGNALS



NEMA PHASING





CONSTRUCTION DETAILS

A. Install Pole base, 27' steel pole with 30' mast arm, traffic signal heads, 15' lighting arm with a 250 W-HPS luminaire, and relocate existing signs to new structure. (Mast arm, pole, and luminaire arm to be painted prior to installation (Note: 1-3", 90 PVC schedule 80 bend)
B. Install 3" PVC schedule 80 conduit trenched
C. Use existing conduit for new signal cable. Note run two 5-conductors for signals and one 2 conductor for luminaire
D. Remove existing signals, mast arm, pole, and pole base 12" below grade
Return pole and mast arm to Dave Schwartz signal warehouse 7491 connelley drive Hanover
E. Relocate existing sign to new structure

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9071	1 EA	30' MAST ARM (WITHOUT POLE)
9105	1 EA	SINGLE MAST ARM POLE 27' 38' SERIES W/ ANCHOR BOLTS
9000	3 EA	12 INCH 1 WAY 3 SECTION POLYCABONATE SIGNAL HEAD MAST ARM MOUNT (RA.YA.GA)

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	3 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8011	3 EA	INSTALL SIGNAL HEAD ANY TYPE
8027	15 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8044	400 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8046	200	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO 12 AWG) TYPE IN. TC IN.
8048	20 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8055	1 EA	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCELL
8056	1 EA	FURNISH AND INSTALL 15 FOOT LIGHTING BRACKET ARM FOR TRAFFIC SIGNAL STRUCTURE
8057	1 EA	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 INCH BELOW GRADE
8059	1 EA	DELIVERY OF REMOVED GALVANIZED SIGNAL STRUCTURE TO DAVE SCHWARTZ SIGNAL WAREHOUSE
8070	3 EA	PAINT STRUCTURE (ON GROUND) (POLE ARM AND LIGHTING ARM)
8074	1 EA	INSTALL STEEL POLE AND SINGLE MAST ARM (ANY SIZE)
8092	4 EA	NEG - APPROVED - RELOCATE EXISTING SIGN

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
(B) 12/99 REPLACE MAST ARM IN MEDIAN DUE TO STURCTURAL DAMAGE TIMS # D704	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(A) 1-5-99 ASBUILT SHA NO: CH 566-502-571	DIRECTOR, TRAFFIC & SAFETY
EMM	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 5 (RAMP B) AND US 301/MD 5

DRAWN BY:	F.A.P. NO.	TS NO. 3559B	SHEET NO.
CHECKED BY: M. RUCKER	S.H.A. NO. 27863T08005	T.I.M.S. NO.	01 OF 01
SCALE: 1" = 20'	COUNTY: CHARLES		
DATE:	LOG MILE: 0800500.20		

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