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

EXISTING SIGNALS

1.6 — 12"/8"; 2.7 — 12"; 4.5.8.10 12.13.15.16 — 12"; 11.14 — 8"

EXISTING SIGNS

20.24 ONLY

18A.18B: McKendree RD ⇨ | ⇦ McKendree RD

17A.17B: Cedarville RD ⇨ | ⇦ Cedarville RD

LEFT TURN YIELD ON GREEN — R 10-12 36"X42" — TO BE REMOVED

PROPOSED SIGNALS

1.2 — 12"; 6.7 — 12"; 3.9 — 12"

PROPOSED SIGNS

22 SOUTH 301 30"X51"; 23 NORTH 301 48"X75"; 25 NORTH 301 30"X51"; 26 SOUTH 301 48"X75"

ASSOCIATED SHIELD ASSEMBLIES

19.21 LEFT TURN SIGNAL — 24"X30" R10-10(L) MAST ARM MOUNTED

NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

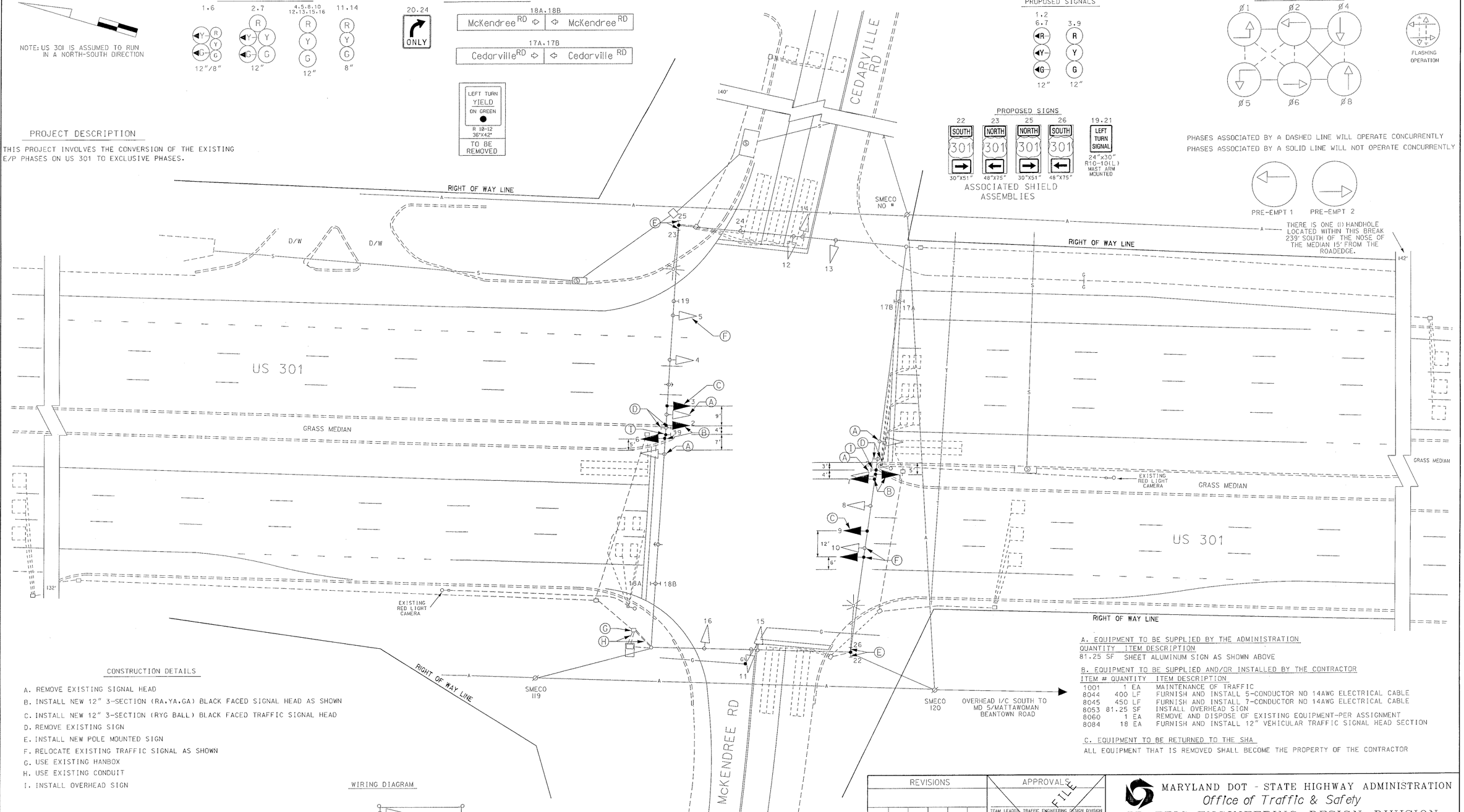
FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PRE-EMPT 1 PRE-EMPT 2

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE CONVERSION OF THE EXISTING E/P PHASES ON US 301 TO EXCLUSIVE PHASES.

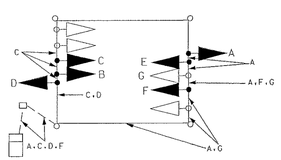


CONSTRUCTION DETAILS

A. REMOVE EXISTING SIGNAL HEAD
B. INSTALL NEW 12" 3-SECTION (RA.YA.GA) BLACK FACED SIGNAL HEAD AS SHOWN
C. INSTALL NEW 12" 3-SECTION (RYG BALL) BLACK FACED TRAFFIC SIGNAL HEAD
D. REMOVE EXISTING SIGN
E. INSTALL NEW POLE MOUNTED SIGN
F. RELOCATE EXISTING TRAFFIC SIGNAL AS SHOWN
G. USE EXISTING HANBOX
H. USE EXISTING CONDUIT
I. INSTALL OVERHEAD SIGN

WIRING DIAGRAM

A.D 7-CONDUCTOR NO 14AWG
C.F 5-CONDUCTOR NO 14AWG



SPECIAL NOTE

FOR SIGNAL HEADS "B" AND "E" USE EXISTING 7-CONDUCTOR CABLE FROM REMOVED 5-SECTION

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION
81.25 SF	SHEET ALUMINUM SIGN AS SHOWN ABOVE

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

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8044	400 LF	FURNISH AND INSTALL 5-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8045	450 LF	FURNISH AND INSTALL 7-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8053	81.25 SF	INSTALL OVERHEAD SIGN
8060	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT-PER ASSIGNMENT
8084	18 EA	FURNISH AND INSTALL 12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION

C. EQUIPMENT TO BE RETURNED TO THE SHA

ALL EQUIPMENT THAT IS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

REVISIONS	APPROVALS
(E) INSTALL EXCLUSIVE PHASING FOR US 301 — 6/01 — TIMS# E390	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
CJS — D ASBUILT 1/5/99	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
S.H.A. NO.: CH 566-502-701	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
RRZ — C GEOMETRIC IMPROVEMENTS	DIRECTOR, TRAFFIC & SAFETY
CH 566-502-571 9/95 — RJW DCI	

ORIGINAL ON FILE

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

US 301 AND CEDARVILLE RD / McKENDREE RD

DRAWN BY: W J NIES	F.A.P. NO.	TS NO. 2543 E	SHEET NO.
CHECKED BY: R R ZACHERL	S.H.A. NO. PG 308 A/B&E		
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	1 OF 1
DATE:	LOG MILE: 16030100.41		