PROPOSED SIGNS

26,29 — Gov. Ritchie Hwy — D3-2 (VARIABLE x 16 in.) DUAL FACE

21 — Pasadena Rd ⇨ — D3-2 (VARIABLE x 16 in.) DUAL FACE

21A — ⇦ Pasadena Rd — D3-2 (VARIABLE x 16 in.) DUAL FACE

23 — East - West Blvd ⇨ — D3-2 (VARIABLE x 16 in.) DUAL FACE

23A — ⇦ East - West Blvd — D3-2 (VARIABLE x 16 in.) DUAL FACE

28 — R3-6 — 30 in. x 36 in.

27,30 — ONLY — R3-5R — 30 in. x 36 in.

20,22,24,25 — ONLY — R3-5L — 30 in. x 36 in.

31 — R6-1(R) 36"X12", M3-3 24"X12", M1-5 24"X24", M6-1 21"X15", KING WAY, SOUTH, MARYLAND, 2, 24"X51" — ASSOCIATED SHIELD ASSEMBLY

33 — R6-1(L) 36"X12", M3-1 24"X12", M1-5 24"X24", M6-1 21"X15", KING WAY, NORTH, MARYLAND, 2, 24"X51" — ASSOCIATED SHIELD ASSEMBLY

34 — R6-1(L) 36"X12", M3-3 30"X15", M1-5 36"X36", M6-1 30"X24", KING WAY, SOUTH, MARYLAND, 2, 36"X75" — ASSOCIATED SHIELD ASSEMBLY

32 — R6-1(R) 36"X12", M3-1 30"X15", M1-5 36"X36", M6-1 30"X24", KING WAY, NORTH, MARYLAND, 2, 36"X75" — ASSOCIATED SHIELD ASSEMBLY

MD RTE. 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

NOTES:

1. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL UTILITIES.
4. PROPOSED OVERHEAD LUMINAIRE MUST BE FULL CUT OFF.
5. WHEN INSTALLING THE SIGNAL HEADS, THE CONTRACTOR MUST LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC
6. THE INTERCONNECT CABLE IS TO BE DISCONNECTED BEFORE THE CONSTRUCTION IS STARTED IN THE MEDIAN OF ROUTE 2. THE CONTRACTOR IS TO PULL THE INTERCONNECT CABLE TO THE FAR HANDBOX AS SHOWN ON THE PLANS AND CABLE COILED IN THE HANDBOX. THIS WILL BE REINSTALLED AT THE END OF CONSTRUCTION AT THE NEW CONTROLLER.
7. THE CONTRACTOR SHALL VERIFY THAT THE INPLACE SOIL DENSITY OF THE FILL AT THE LOCATIONS OF THE POLE FOUNDATIONS AS DETERMINED BY MSMT 350 OR 352 IS AT LEAST 95% OF THE MAXIMUM DRY DENSITY OF THE SOIL AS DETERMINED BY AASHTO T-180.

SIGNALS

1,2,6,7,11,13,14 — RR, AY, AG — 12 in.

3,4,8,9,12,15,16,17,18,19 — R, Y, G — 12 in.

5,10 — BUS PRE-EMPTION SIGNAL

NEMA PHASING

01, 02, 03, 04, 05, 06, 08

FLASHING OPERATION

BUS PRE-EMPTION PHASE 1

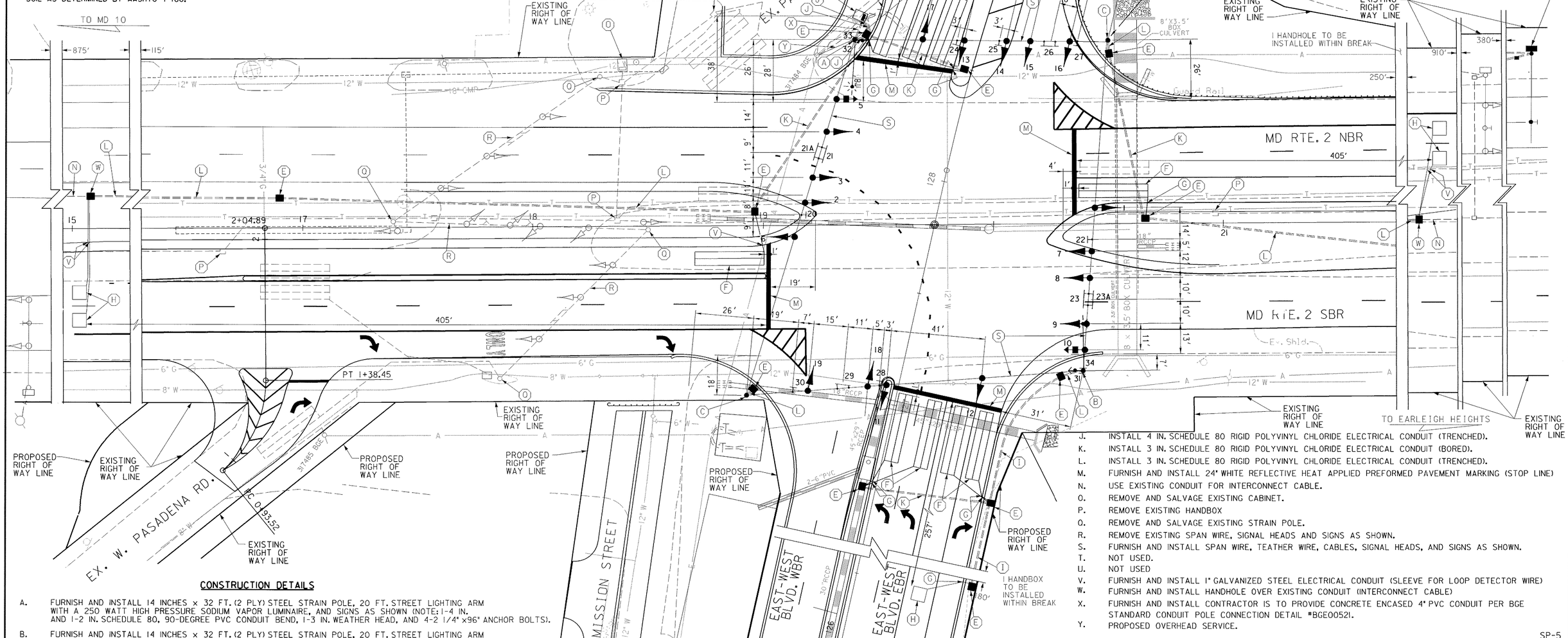
BUS PRE-EMPTION PHASE 2

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHLINE MAY/WILL OPERATE CONCURRENTLY.

ROADWAY LEGEND: EXISTING, PROPOSED

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES: AERIAL CABLE (A), ELECTRICAL (E), TELEPHONE (T), GAS (G), SEWER (S), WATER (W), CABLE TV (TV)



CONSTRUCTION DETAILS

A. FURNISH AND INSTALL 14 INCHES x 32 FT. (2 PLY) STEEL STRAIN POLE, 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE, AND SIGNS AS SHOWN (NOTE: 1-4 IN. AND 1-2 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND, 1-3 IN. WEATHER HEAD, AND 4-2 1/4" x96" ANCHOR BOLTS).

B. FURNISH AND INSTALL 14 INCHES x 32 FT. (2 PLY) STEEL STRAIN POLE, 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE, AND SIGNS AS SHOWN (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND, 2-3 IN. WEATHER HEADS AND 4-2 1/4" x 96" ANCHOR BOLTS).

C. FURNISH AND INSTALL 14 INCHES x 32 FT. (2 PLY) STEEL STRAIN POLE, AND SIGNS AS SHOWN (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND AND 4-2 1/4" x 96" ANCHOR BOLTS).

D. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.

E. INSTALL HANDHOLE.

F. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE (3-6-3 TURNS) LOOP DETECTOR ENCASED IN 1/4 In. FLEXIBLE TUBING.

G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (SLEEVE FOR DETECTOR WIRE).

H. INSTALL 6 FT. x 6 FT. (4 TURNS) LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING.

I. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

J. INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

K. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).

L. INSTALL 3 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

M. FURNISH AND INSTALL 24" WHITE REFLECTIVE HEAT APPLIED PREFORMED PAVEMENT MARKING (STOP LINE)

N. USE EXISTING CONDUIT FOR INTERCONNECT CABLE.

O. REMOVE AND SALVAGE EXISTING CABINET.

P. REMOVE EXISTING HANDBOX

Q. REMOVE AND SALVAGE EXISTING STRAIN POLE.

R. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGNS AS SHOWN.

S. FURNISH AND INSTALL SPAN WIRE, TEATHER WIRE, CABLES, SIGNAL HEADS, AND SIGNS AS SHOWN.

T. NOT USED.

U. NOT USED

V. FURNISH AND INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (SLEEVE FOR LOOP DETECTOR WIRE)

W. FURNISH AND INSTALL HANDHOLE OVER EXISTING CONDUIT (INTERCONNECT CABLE)

X. FURNISH AND INSTALL CONTRACTOR IS TO PROVIDE CONCRETE ENCASED 4" PVC CONDUIT PER BGE STANDARD CONDUIT POLE CONNECTION DETAIL #BGE00521.

Y. PROPOSED OVERHEAD SERVICE.

SP-5

RUMMEL, KLEPPER & KAHL, LLP
CONSULTING ENGINEERS
81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TEL: (410) 728-2900 FAX: (410) 383-3270

REVISIONS	APPROVALS
(E) RECONSTRUCT TRAFFIC SIGNAL DUE TO NEW GEOMETRICS 10/99	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
(D) ADDED BUS PRE-EMPTION 6/95	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNAL PLAN FOR
MD RTE. 2 @ EAST-WEST BLVD. AND PASADENA RD.
EAST-WEST BLVD
FROM JUMPERS HOLE RD. TO 600 FT. EAST OF MD. RTE. 2

DRAWN BY: SMH		F.A.P. NO. SEE TITLE SHEET		TS NO. 307E	SHEET NO.
CHECKED BY: DLA / CG		S.H.A. NO. N/A			
SCALE: 1" = 20'		COUNTY: ANNE ARUNDEL		T.I.M.S. NO. C937	65 OF 78
DATE: NOVEMBER, 1999		LOG MILE: 02000232.03			

10/31/99 11:28:20