PROPOSED SIGNS

28a,29b — Hoke PL — D-3(1) 60"X16" (DUAL FACE)

25 — W. Patrick St WEST 40 EAST — M1-5(4) 78"x36"

27 — W. Patrick St EAST 40 WEST — M1-5(4) 78"x36"

26 — ONLY — R3-5R 30"X36"

28b,29a — Hoke PL — D-3(1) 60"X16" (DUAL FACE)

32 — OM1-3 FY 18"X18"

30,31,33 — R4-7 @ 15° 24"X30"

EXISTING SIGNALS TO BE REMOVED

12" (4 EA.) (8 EA.)

16" (4 EA.)

PROPOSED LED SIGNALS

1,2,5,6 — 12"

3,4,7, 8,10,12 — 12"

9,11 — 12"

13,14,15, 16,17,18 — 16"

a,b,c,d — PROPOSED IP-BASED VIDEO DETECTION

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø3 ALT. FLASHING OPERATION

- US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS TO BE REMOVED

PUSH BUTTON TO CROSS W. PATRICK ST — 9"X12" (2 EA.)

Hoke Place — 84"X16" (1 EA.)

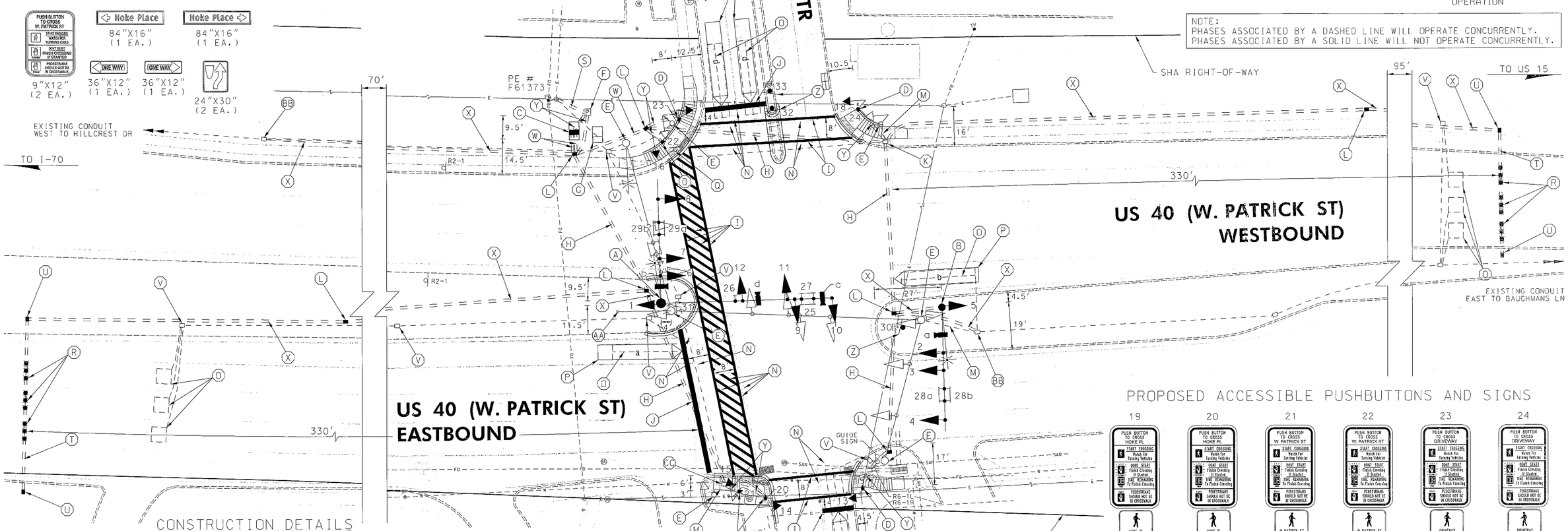
Hoke Place — 84"X16" (1 EA.)

ONE WAY — 36"X12" (1 EA.)

ONE WAY — 36"X12" (1 EA.)

24"X30" (2 EA.)

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

19 — HOKE PL — R10-3(1) 9"X15"

20 — HOKE PL — R10-3(1) 9"X15"

21 — W.PATRICK ST — R10-3(1) 9"X15"

22 — W.PATRICK ST — R10-3(1) 9"X15"

23 — DRIVEWAY — R10-3(1) 9"X15"

24 — DRIVEWAY — R10-3(1) 9"X15"

TOD NO: XX650-30
SHA NO: FR122B58
US 40 @ Hillcrest Drive/US 40 @ Hoke Place

CONSTRUCTION DETAILS

A. INSTALL 27 FT. TWIN MAST ARM POLE WITH 70 FT. AND 50 FT. MAST ARMS, LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS, 15 FT. LIGHTING ARM WITH LED LUMINAIRE, AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. FLANGE PLATE FOR 70 FT. MAST ARM SHALL BE MOUNTED AT 'T' DIMENSION = 19.5 FT.

B. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERA, 20 FT. LIGHTING ARM WITH LED LUMINAIRE, AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

C. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH 2-WIRE APS CENTRAL CONTROL UNIT AND IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT. NOTE: INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN CABINET BASE. CAP UNUSED CONDUIT BEND.

D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE.

E. REMOVE EXISTING TRAFFIC SIGNAL POLE, ASSOCIATED EQUIPMENT AND SIGNS. REMOVE FOUNDATION 12 INCHES BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE.

F. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL. NOTE: INSTALL 1-4 IN. AND 3-2 IN. CONDUIT BENDS IN BASE.

G. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 INCHES BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE. EXISTING ELECTRICAL SERVICE TO BE DISCONNECTED BY UTILITY COMPANY.

H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED.

I. INSTALL 12 IN. WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LINE.

J. INSTALL 24 IN. WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LINE.

K. USE EXISTING HANDHOLE.

L. INSTALL ELECTRICAL HANDHOLE.

M. CAP AND ABANDON EXISTING CONDUIT.

N. REMOVE EXISTING PAVEMENT MARKING.

O. ABANDON EXISTING LOOP DETECTOR.

P. PROPOSED VIDEO DETECTION ZONE.

Q. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.

R. INSTALL NON-INVASIVE MICROLOOP PROBE WITH LEAD-IN CABLE.

S. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT UTILITY POLE NO. F61373 FOR POWER FEED.

T. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.

U. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.

V. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUITS AND BACKFILL TO GRADE.

W. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

X. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

Y. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

Z. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT.

AA. INSTALL BACK GUY POLE TO STABILIZE EXISTING STRAIN POLE DURING CONSTRUCTION. PAID FOR AS CLASS II WOOD POLE.

CONSTRUCTION DETAILS (CONT.)

BB. USE EXISTING HANDHOLE. DISCONNECT, PULLBACK AND REROUTE EXISTING COMMUNICATION CABLE.

CC. USE EXISTING HANDHOLE. ADJUST HANDHOLE TO FINAL SIDEWALK GRADE.

GEOMETRIC LEGEND

- EXISTING
- PROPOSED

UTILITY LEGEND

- SD — STORM DRAIN
- G — GAS MAIN
- W — WATER MAIN
- S — SEWER MAIN
- E — ELECTRIC CABLES
- E — AERIAL CABLES
- T — TELEPHONE CABLES
- F — FIBER-OPTIC

BY: BJG

RK&K
Rummel, Klepper & Kahl, LLP
81 MOSHER STREET | BALTIMORE, MD 21217
PH: (410) 728-2900 FAX: (410) 728-3160
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APPROVALS: TEAM LEADER; ASST. DIV. CHIEF; DIVISION CHIEF; OFFICE DIRECTOR — ORIGINAL ON FILE

REVISIONS				
B	SIGNAL RECONST. UPGRADE NORTH, SOUTH & WEST XINGS & RAMPS SHA NO. XX650185. TIMS NO. L539	04-2013		
A	INSTALL ADDITIONAL MAINLINE DETECTION SHA NO. 855-25005	04-12-1986		
	SR	JAB	ETP	TH

WP 9 BJG CAD DWN RDB CHK PMF CJW

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

US 40 (W. PATRICK STREET)
AT HOKE PLACE
FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 01-09-1978 CONTRACT NO. F-889-501-785

DESIGNED BY J.GORDON
DRAWN BY J.GORDON
CHECKED BY
FAP NO.

COUNTY FREDERICK
LOGMILE 10004012.81
TIMS NO.
TOD NO.

TS NO. 866B | DRAWING SP-3 OF 4 | SHEET NO. 4 OF 7

PLOTTED: Thursday, April 25, 2013 AT 04:49 PM
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