Construction Details

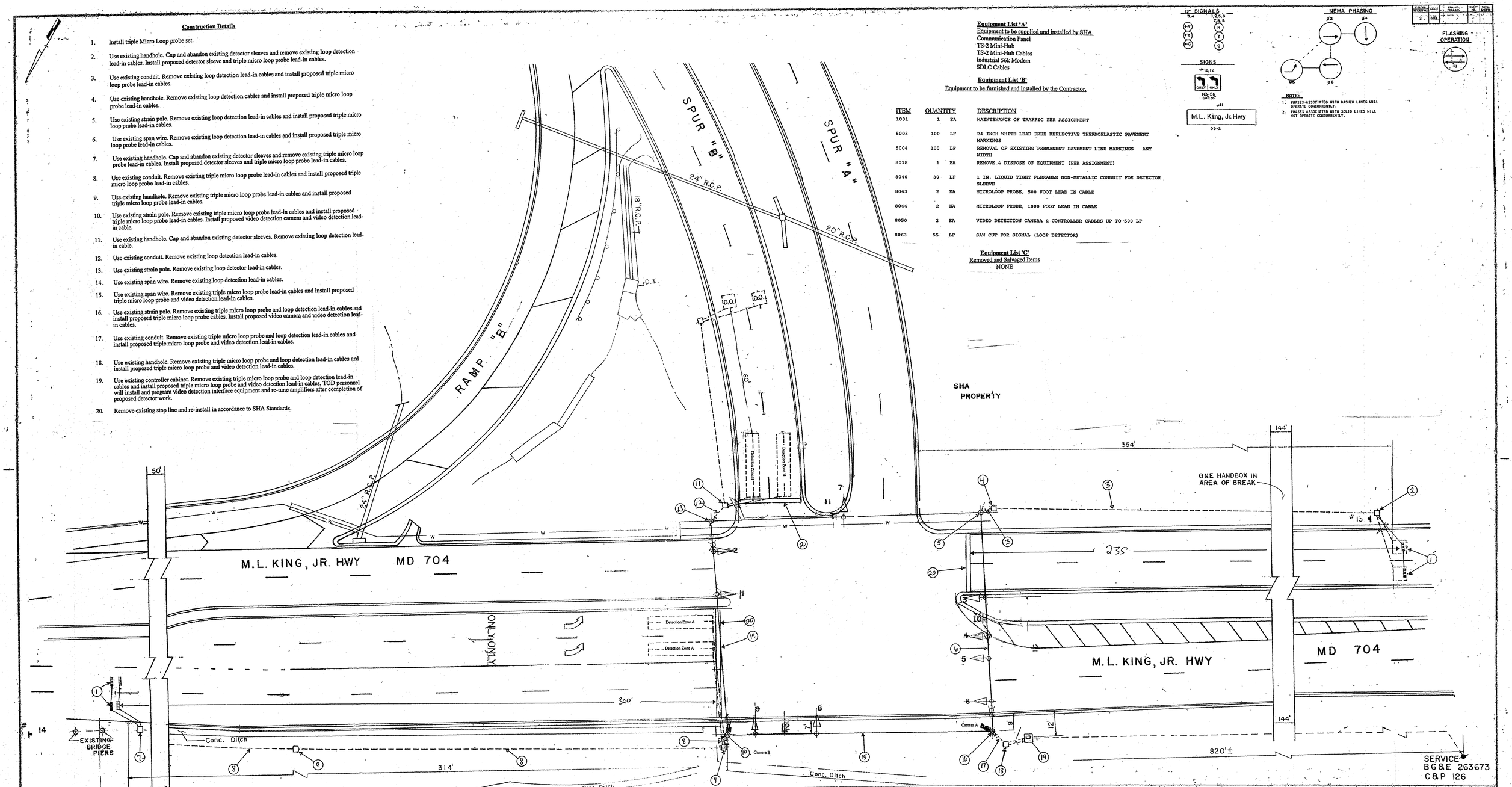
1. Install triple Micro Loop probe set.
2. Use existing handhole. Cap and abandon existing detector sleeves and remove existing loop detection lead-in cables. Install proposed detector sleeve and triple micro loop probe lead-in cables.
3. Use existing conduit. Remove existing loop detection lead-in cables and install proposed triple micro loop probe lead-in cables.
4. Use existing handhole. Remove existing loop detection cables and install proposed triple micro loop probe lead-in cables.
5. Use existing strain pole. Remove existing loop detection lead-in cables and install proposed triple micro loop probe lead-in cables.
6. Use existing span wire. Remove existing loop detection lead-in cables and install proposed triple micro loop probe lead-in cables.
7. Use existing handhole. Cap and abandon existing detector sleeves and remove existing triple micro loop probe lead-in cables. Install proposed detector sleeves and triple micro loop probe lead-in cables.
8. Use existing conduit. Remove existing triple micro loop probe lead-in cables and install proposed triple micro loop probe lead-in cables.
9. Use existing handhole. Remove existing triple micro loop probe lead-in cables and install proposed triple micro loop probe lead-in cables.
10. Use existing strain pole. Remove existing triple micro loop probe lead-in cables and install proposed triple micro loop probe lead-in cables. Install proposed video detection camera and video detection lead-in cable.
11. Use existing handhole. Cap and abandon existing detector sleeves. Remove existing loop detection lead-in cable.
12. Use existing conduit. Remove existing loop detection lead-in cables.
13. Use existing strain pole. Remove existing loop detector lead-in cables.
14. Use existing span wire. Remove existing loop detection lead-in cables.
15. Use existing span wire. Remove existing triple micro loop probe lead-in cables and install proposed triple micro loop probe and video detection lead-in cables.
16. Use existing strain pole. Remove existing triple micro loop probe and loop detection lead-in cables and install proposed triple micro loop probe cables. Install proposed video camera and video detection lead-in cables.
17. Use existing conduit. Remove existing triple micro loop probe and loop detection lead-in cables and install proposed triple micro loop probe and video detection lead-in cables.
18. Use existing handhole. Remove existing triple micro loop probe and loop detection lead-in cables and install proposed triple micro loop probe and video detection lead-in cables.
19. Use existing controller cabinet. Remove existing triple micro loop probe and loop detection lead-in cables and install proposed triple micro loop probe and video detection lead-in cables. TOD personnel will install and program video detection interface equipment and re-tune amplifiers after completion of proposed detector work.
20. Remove existing stop line and re-install in accordance to SHA Standards.

Equipment List 'A'
Equipment to be supplied and installed by SHA.
Communication Panel
TS-2 Mini-Hub
TS-2 Mini-Hub Cables
Industrial 56k Modem
SDLC Cables

Equipment List 'B'
Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5003	100	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	100	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8018	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8040	30	LF	1 IN. LIQUID TIGHT FLEXABLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8043	2	EA	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
8044	2	EA	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE
8050	2	EA	VIDEO DETECTION CAMERA & CONTROLLER CABLES UP TO 500 LF
8063	55	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

Equipment List 'C'
Removed and Salvaged Items
NONE



#8 SIGNALS

NEMA PHASING

FLASHING OPERATION

SIGNS

NOTE:
1. PHASES ASSOCIATED WITH DASHED LINES WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED WITH SOLID LINES WILL NOT OPERATE CONCURRENTLY.

F.A.P. NO. REGION NO.	STATE	FED. AID PROJ. NO.	PROJ. NO.	TOTAL SHEETS
5	MD.			

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—T—T—	TELEPHONE CABLES
—A—A—	AERIAL CABLES
—S/D—S/D—	STORM DRAIN

SCALE { PLAN: 1 IN. = 20'-0"

TRAFFIC SIGNAL SYMBOLS

PROPOSED		EXISTING
■	HANDHOLE	□
▭	LOOP DETECTOR(6X30)	▭
□	LOOP DETECTOR(6X6)	□
═══	CONDUIT	═══
▭	MICRO LOOP PROBE SET	▭
▭	ZOOM LENS IMAGE SENSOR	▭

REVISIONS

8	Installation of Video Detection OT 2007 08/2008 TIMS # J-396

APPROVALS

CHIEF, SIGNAL DESIGN SECTION — 6/20/08
ASST. DISTRICT ENGINEER, TRAFFIC — 6/20/08
CHIEF, BUREAU OF TRAFFIC ENGINEERING — 6/20/08
DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC — 7/1/08

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION – OFFICE OF TRAFFIC
BUREAU OF TRAFFIC ENGINEERING

DRAWN BY: JOHN H. GREEZICKI OF CENTURY ENGINEERING, INC.
DES. BY: ROBERT H. HARRIS OF CENTURY ENGINEERING, INC.
CHK. BY: 6/12/08

MARTIN LUTHER KING, JR. HIGHWAY (MD 704) AT I-68 SPUR "B"

SIGNAL NO. 16070905-08 — COUNTY: PRINCE GEORGES

DATE: — F.A.P. NO. I-68-1(2)
SCALE: 1" = 20' — S.H.A. NO. P 410-505-372
TS/FILE NO. 2504 B
SHEET NO. 1 OF 1