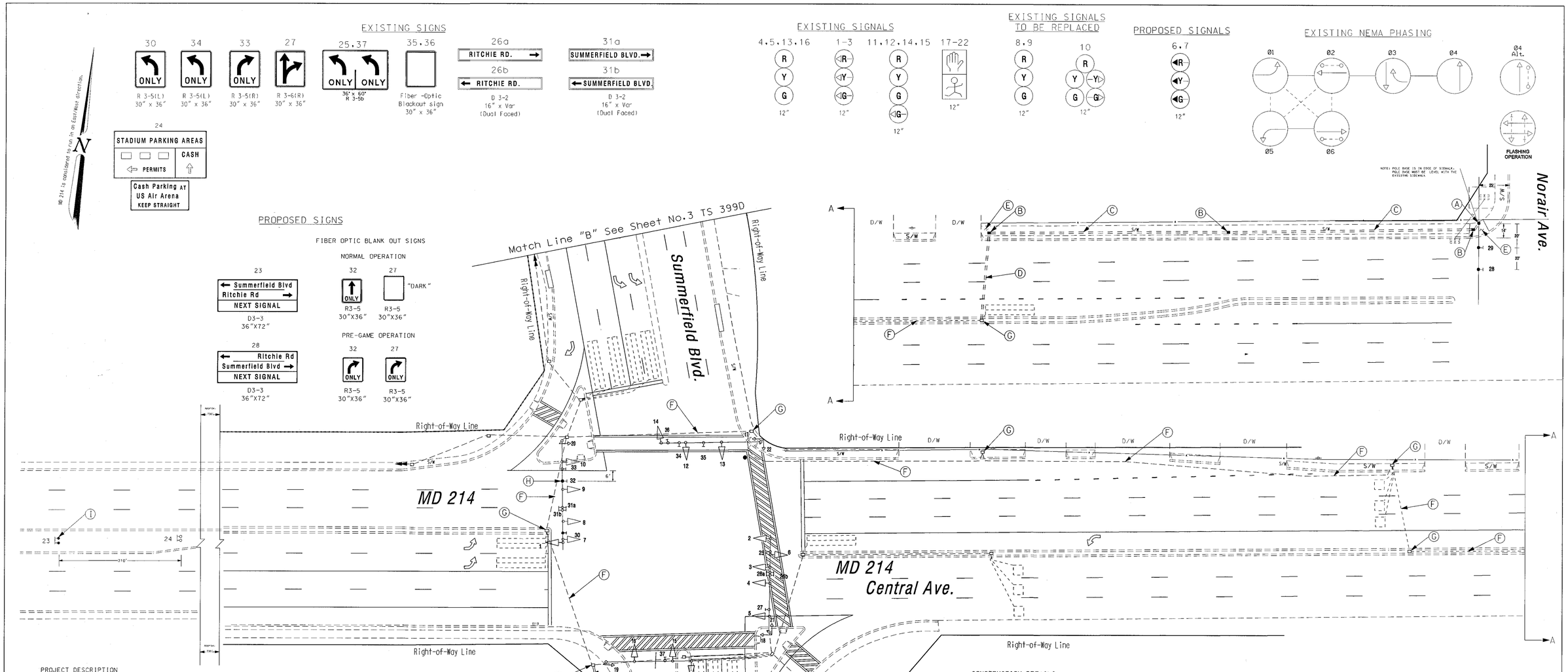

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF TWO ILLUMINATED LANE USEAGE SIGNS.
THERE WILL BE NO CHANGE IN THE INTERSECTION PHASING OPERATION.

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9007	2 EA	(CONT/CAB/ADD) NEMA LOAD SWITCH
9570	18 SF	SHEET ALUMINUM GROUND MOUNTED SIGN 1-EA D3-3 ADVANCED STREET NAME SIGN GROUND MOUNTED
9571	18 SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN 1-EA D3-3 ADVANCED STREET NAME SIGN MAST ARM MOUNT

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2001	3 CY	CLASS 2 EXCAVATION
2002	2 CY	TEST PIT EXCAVATION
6004	200 SF	4 INCH CONCRETE SIDEWALK
8000	2 EA	TO BE NEGOTIATED - FURNISH AND INSTALL R3-5 BLANK OUT SIGN
8006	1 EA	CUT, CLEAN AND CAP TRAFF SIG STRUCT
8024	1 EA	F&I MAST ARM POLE & 70 FT MAST ARM
8048	1 EA	REM & DISPOSE MAT & EQUIP PER ASSIGN
8061	30 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 6 INCH
8062	1000 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8066	300 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8069	50 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
8074	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8076	20 SF	INSTALL GROUND MOUNTED SIGN
8077	20 SF	INSTALL OVERHEAD SIGN
8086	225 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO 14 AWG)
8087	1300 LF	FURNISH AND INSTALL ELECTRICAL CABLE- 7 CONDUCTOR (NO 14 AWG)
8059	5 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION

C. EQUIPMENT TO BE RETURNED TO SHA
NONE
ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

GENERAL NOTES:

1. 5 CONDUCTOR WIRE WILL RUN FROM CABINET TO SIGN NUMBER 32
2. 7 CONDUCTOR WIRE WILL RUN FROM CONTROLLER CABINET TO SIGN NUMBER 29. DOUBLE CONDUCTORS TO PREVENT VOLTAGE DROP.
3. BARE COPER GROUND WILL RUN FROM THE NEW MAST ARM POLE TO THE NEAREST STRAIN POLE FOR GROUNDING.

CONSTRUCTION DETAILS

A. FURNISH AND INSTALL 27 FOOT MAST ARM POLE CUT TO 23 FOOT WITH A 70 FOOT ARM AND SIGNS AS SHOWN. NOTE: (ONLY USE THE BUTT SECTION AT THIS TIME THE EXTENTION WILL NOT BE NEEDED. ONE 3 INCH SCHEDULE 80 PVC CONDUIT BEND IN POLE BASE 7 - CONDUCTOR CABLE TO RUN BACK TO CONTROLLER CABINET DOUBLE CONDUCORS TO PREVENT VOLTAGE DROP DUE TO DISTANCE)
B. INSTALL HANDBOX
C. INSTALL 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED)
D. INSTALL 4 INCH SHCEDULE 80 PVC ELECTRICAL CONDUIT (SLOTTED)
E. REMOVE EXISTING SECTION OF SIDE WALK INSTALL HAND BOX AND / OR POLEBASE
F. USE EXISTING CONDUIT
G. USE EXISTING HANDHOLE
H. INSTALL SIGN ON EXISTING MAST ARM
I. INSTALL GROUND MOUNTED SIGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

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

REVISIONS

(C) INSTAL BLANK OUT SIGNS FOR PRE-GAME OPERATION XX1065285	7/2002 TIMS # F019
(F) Modify WB MD 214 geometrics & add loop. S.H.A. No.:XX1005385	October 10, 2000
FJH	

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
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
(Traffic Signal Plan)

MD 214 at Summerfield Blvd/Ritchie Road

DRAWN BY:	T.D. Roberge	F.A.P. NO.	N/A	TS NO. 399G	SHEET NO.
CHECKED BY:	D. Wallace	S.H.A. NO.			
SCALE:	1" = 30'	COUNTY:	Prince George's	T.I.M.S. NO. F019	1 OF 1
DATE:	November 1981	LOC MILE:	16021402.76		

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