

LIST OF MAJOR ITEMS

EQUIPMENT AND WORK ITEMS (ITEM 616.91)	QTY.
FURNISH AND INSTALL P-44 NEMA TRAFFIC SIGNAL CABINET MOUNTED ON NEW FOUNDATION W/ NEW ANCILLARY EQUIPMENT AND ATC CONTROLLER W/ LATEST FIRMWARE	1 EA
FURNISH AND INSTALL ONE-WAY, 3-SECTION, 12-INCH BLACK TRAFFIC SIGNAL HEADS WITH LED MODULES, TUNNEL VISORS AND 5-INCH LOUVERED BACK PLATES WITH 2 INCH RETROREFLECTIVE BORDERS MOUNTED ON MAST ARM	7 EA
FURNISH AND INSTALL ONE-WAY, 3-SECTION, 12-INCH BLACK TRAFFIC SIGNAL HEADS WITH LED MODULES, TUNNEL VISORS AND 5-INCH LOUVERED BACK PLATES WITH 2 INCH RETROREFLECTIVE BORDERS MOUNTED ON POLE	1 EA
FURNISH AND INSTALL ONE-WAY, 4-SECTION, 12-INCH BLACK TRAFFIC SIGNAL HEADS WITH LED MODULES, TUNNEL VISORS AND 5-INCH LOUVERED BACK PLATES WITH 2 INCH RETROREFLECTIVE BORDERS MOUNTED ON MAST ARM	1 EA
FURNISH AND INSTALL ONE-WAY, 16 X 18-INCH LED SIDE OF POLE MOUNTED BLACK COUNTDOWN PEDESTRIAN SIGNAL HEAD	3 EA
FURNISH AND INSTALL ONE-WAY, 16 X 18-INCH LED TOP OF POST MOUNTED BLACK COUNTDOWN PEDESTRIAN SIGNAL HEAD	5 EA
FURNISH AND INSTALL ADA COMPLIANT ACCESSIBLE PEDESTRIAN SIGNAL (APS) BUTTON WITH 9'X15' RIO-3e INFORMATIONAL SIGN	8 EA
FURNISH AND INSTALL 8' PEDESTAL POLE W/ FOUNDATION	6 EA
FURNISH AND INSTALL 10' PEDESTAL POLE W/ FOUNDATION	1 EA
FURNISH AND INSTALL MIOVISION 360° VIDEO DETECTION CAMERA SYSTEM	1 LS
FURNISH AND INSTALL 4-CHANNEL PREEMPTION PHASE SELECTOR WITH SYSTEM CHASSIS	1 EA
FURNISH AND INSTALL LIGHT-BASED PREEMPTION RECEIVERS WITH DETECTOR CABLE	4 EA
FURNISH AND INSTALL PREEMPTION CONFIRMATION RED STROBE WITH CABLE	1 EA
FURNISH AND INSTALL MAST ARM MOUNTED SIGNS	6 EA
FURNISH AND INSTALL 50-FOOT MAST ARM W/ FOUNDATION	1 EA
FURNISH AND INSTALL 3" STEEL CONDUIT (ITEM 614.33)	10 LF
FURNISH AND INSTALL 14" CONCRETE PULL BOX (ITEM 614.51)	6 EA
FURNISH AND INSTALL 3" PVC SCH. 40 CONDUIT (ITEM 614.731/4)	376 LF

THE LISTED QUANTITIES ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.

BID ALTERNATE 1

EQUIPMENT AND WORK ITEMS	QTY.
OBLITERATE PAVE, MARKING LINE, 12" WIDE & UNDER (ITEM 632.91)	500 LF

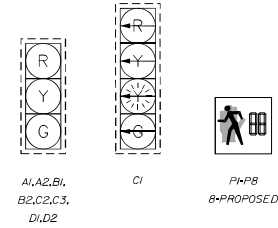
NOTE:

ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND DISCARDED.

CONDUIT SCHEDULE

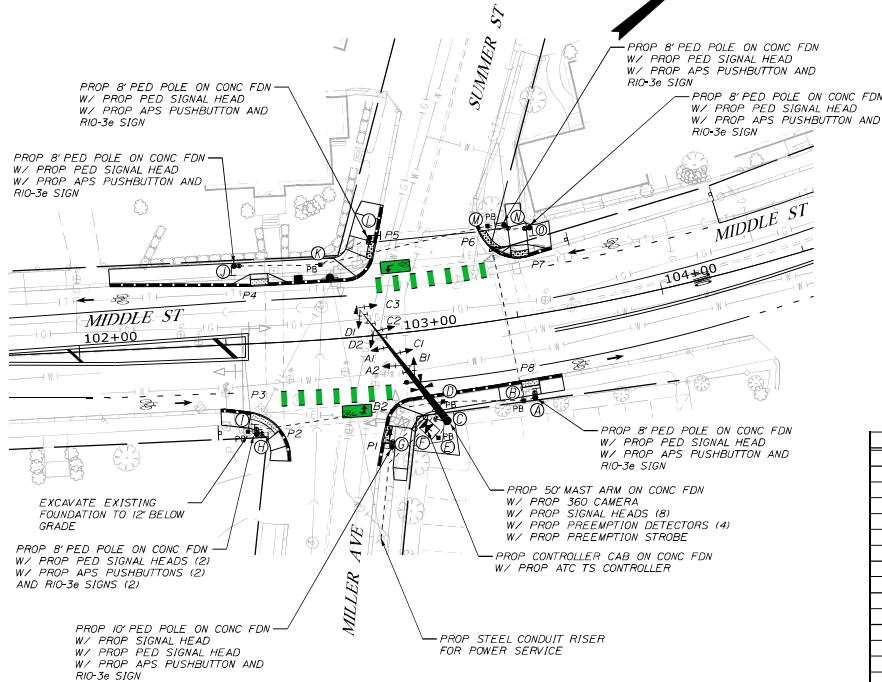
FROM/TO	TYPE	LENGTH (FT)
A-B	3" PVC SCH 40	5
B-D	3" PVC SCH 40	28
B-M	3" PVC SCH 40	61
C-E	3" PVC SCH 40	7
D-F	3" PVC SCH 40	11
D-G	3" PVC SCH 40	24
D-I	3" PVC SCH 40	68
E-F	3" PVC SCH 40	6
F-POWER	3" STEEL	10
F-POWER	3" PVC SCH 40	32
H-I	3" PVC SCH 40	4
J-K	3" PVC SCH 40	30
K-L	3" PVC SCH 40	20
K-M	3" PVC SCH 40	59
M-N	3" PVC SCH 40	6
M-O	3" PVC SCH 40	15

PROPOSED INDICATIONS



NOTE:

ALL INDICATIONS SHALL BE 12" LIGHT EMITTING DIODES (LED'S) WITH 5" LOUVERED RETROREFLECTIVE BACKPLATES



PROPOSED FOUNDATION SCHEDULE

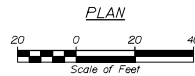
I.D.	DESCRIPTION	FOUNDATION	STATION O/S
A	8' PEDESTAL POLE	TSFND	103+51.42 28.1' RT
B	14" PULL BOX	PB	103+47.52 28.4' RT
C	50' MAST ARM	TYPE 2	103+21.81 31.6' RT
D	14" PULL BOX	PB	103+21.23 24.9' RT
E	14" PULL BOX	PB	103+18.30 37.0' RT
F	CONTROLLER CABINET	CCFND	103+14.82 32.6' RT
G	10' PEDESTAL POLE	TSFND	103+3.00 38.3' RT
H	8' PEDESTAL POLE	TSFND	102+59.04 30.9' RT
I	14" PULL BOX	PB	102+56.06 29.9' RT
J	8' PEDESTAL POLE	TSFND	102+54.01 26.7' LT
K	14" PULL BOX	PB	102+84.04 25.6' LT
L	8' PEDESTAL POLE	TSFND	103+02.26 33.4' LT
M	14" PULL BOX	PB	103+44.49 32.3' LT
N	8' PEDESTAL POLE	TSFND	103+50.44 31.8' LT
O	8' PEDESTAL POLE	TSFND	103+59.15 29.5' LT

TSFND = CONCRETE FOUNDATION FOR PEDESTALS CONSTRUCTED IN ACCORDANCE WITH NHDOT SIGNAL AND LIGHTING STANDARDS SL-2

PB = 14-INCH CONCRETE PULL BOX CONSTRUCTED IN ACCORDANCE WITH NHDOT SIGNAL AND LIGHTING STANDARD SL-1

TYPE = TRAFFIC SIGNAL MAST ARM FOUNDATION CONSTRUCTED IN ACCORDANCE WITH NHDOT TRAFFIC SIGNAL STANDARD TS-4, TS-2, OR TS-3 AS APPLICABLE.

CCFND = CONCRETE FOUNDATION FOR CONTROLLER CABINETS IN ACCORDANCE WITH NHDOT SIGNAL AND LIGHTING STANDARDS SL-2



PLS OR PE

PLS OR PE

DESIGNED
GRS

CHECKED
BRL

REVIEW DATE: 03/11/2025

STATUS: 1. BRL 03/11/2025 DESIGNED FOR CONSTRUCTION

THE PLAN SHALL NOT BE USED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICAL, INC. A SEBAGO COMPANY. ANY UNAUTHORIZED USE OF THIS PLAN IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

SEBAGO TECHNICAL, INC.
75 John Roberts Rd.
South Portland, ME 04106
Tel: 207-200-2300

TRAFFIC SIGNAL PLAN
OF
MIDDLE ST. @ SUMMER ST.
FOR
CITY OF PORTSMOUTH
1 JENNIS AVE.
PORTSMOUTH, NH 03801
FILED BY: J.W. 2483.000 TPO/2025-03-11-TRAFFIC.DGN

PROJECT NO: 21183

SCALE: 1" = 20'

SHEET 9 OF 10