

**MAINE TURNPIKE AUTHORITY**

**ADDENDUM NO. 1**

**CONTRACT 2024.15**

**VARIABLE MESSAGE SIGN AND WALKWAY REPLACEMENT**  
**NORTHBOUND MAINLINE MILE MARKER 30.35 &**  
**SOUTHBOUND MILE MARKER 47.7**

**The bid opening date is Thursday May 16, 2024 at 11:00 am.**

The following changes are made to the Proposal, Specifications and Plans.

**GENERAL**

All questions regarding Contract 2024.15 should be submitted by 12:00 P.M. on Monday, May 13, 2024 and will be answered in an addendum to be issued on or about Tuesday, May 14, 2024, if necessary. Questions received after that time may not be answered.

**PROPOSAL**

The following changes are hereby incorporated into the project Proposal:

- Pages P-2 Schedule of Bid Prices is deleted in its entirety and is replaced with the attached page P-2.

**SPECIFICATIONS**

The following changes are hereby incorporated into the project Specifications:

- Add the attached Daktronics wiring diagram to Appendix A

## **QUESTIONS**

**The following are questions were submitted to the Maine Turnpike Authority in writing. Answers to the questions are noted. Bidders shall utilize this information in preparing their bid.**

Question 1: I see no wiring diagrams with any detail such as a 1-line diagram.

Answer: See attached Daktronics wiring diagram.

Question 2: Per the spec, it appears that they want (2) 3" for Power and (2) 3" for Comm. However, it does not state what they are requiring for wire.

Answer: For power, the electrical circuit from the cabinet to the sign, a 2-pole 50 amp breaker is provided for powering the sign. The wire shall be AWG XHHW-2 sized appropriately per code. For communication, see attached wiring diagram for fiber optic cable information.

Question 3: It appears per the details on the VMS, that there is (1) 1-1/2" openings for power and (1) 1-1/2" for communications. Again, no detail for power or comm. Drawing 4 of 12 shows a wiring diagram, but no specifics.

Answer: 3" conduit shall be run for the cabinet/junction boxes to the sign and transitioned via an LB or reducing coupler to 1 1/2".

Question 4: Sheet 9 of 12 requests a spare 3" conduit to run from the controller cabinet to a junction box adjacent to the cabinet. What size j-box?

Answer: Per the 626 specification the junction box shall be a 36" x 24" and 21" deep Quazite Junction Box and shall be stamped POWER/COMM.

Question 5: Did the MTA purchase the (4) 3/4" x 16" anchor bolts with the controller cabinet or do we need to provide them? I see it as an option on the cut sheets.

Answer: No, the anchor bolts shall be contractor provided and shall be cast into the cabinet foundation (NOT drilled and grouted).

- Addendum No. 1 (3 pages)
- Proposal Sheet (1 page)
- Daktronics wiring diagram (1 page)

**Notes:** The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is 5 pages.

All bidders are requested to acknowledge the receipt of the Addendum No. 1 by signing below and emailing this sheet to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at ncarll@maineturnpike.com. Bidders are also required to acknowledge receipt of this Addendum No. 1 on Page P-3 of the bid package.

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Business Name

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Print Name and Title

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Signature

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Date

Very truly yours,

MAINE TURNPIKE AUTHORITY

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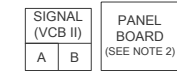
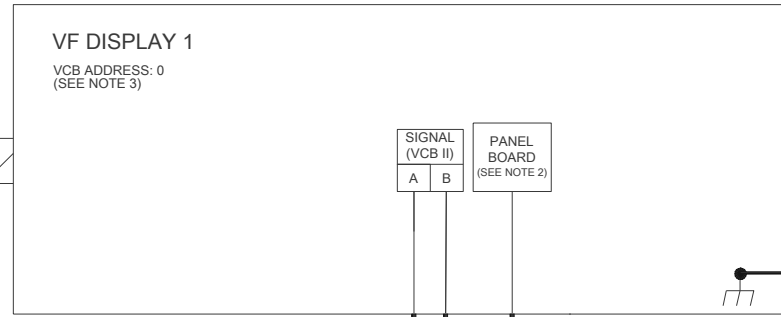
Nathaniel Carll Purchasing Department Maine Turnpike Authority

**SCHEDULE OF BID PRICES  
 CONTRACT NO. 2024.15  
 VARIABLE MESSAGE SIGN AND WALKWAY REPLACEMENT  
 NORTHBOUND MAINLINE MILE MARKER 30.35 &  
 SOUTHBOUND MAINLINE MILE MARKER 47.7**

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
645.124	REPLACE VMS & WALKWAY MM30.35	Lump Sum	1				
645.125	FABRICATE AND INSTALL WALKWAY MM 47.7	Lump Sum	1				
652.39	WORK ZONE TRAFFIC CONTROL	Lump Sum	1				
659.10	MOBILIZATION	Lump Sum	1				
<b>TOTAL:</b>							

GENERAL NOTES:

IT IS THE RESPONSIBILITY OF THE ELECTRICAL INSTALLATION CONTRACTOR TO ENSURE THAT ALL ELECTRICAL WORK PERFORMED ON SITE MEETS OR EXCEEDS ALL LOCAL AND NATIONAL ELECTRICAL CODES.



SITE FIBER INTERCONNECT		
TRAFFIC CABINET		VF DISPLAY
SIGN CONTROLLER (VFC)	FIBER PATCH PANEL	VCB II
J5 FIBER A TX	FIBER A TX	J9 FIBER A RX
J5 FIBER A RX	FIBER A RX	J9 FIBER A TX
J6 FIBER B TX	FIBER B TX	J8 FIBER B RX
J6 FIBER B RX	FIBER B RX	J8 FIBER B TX

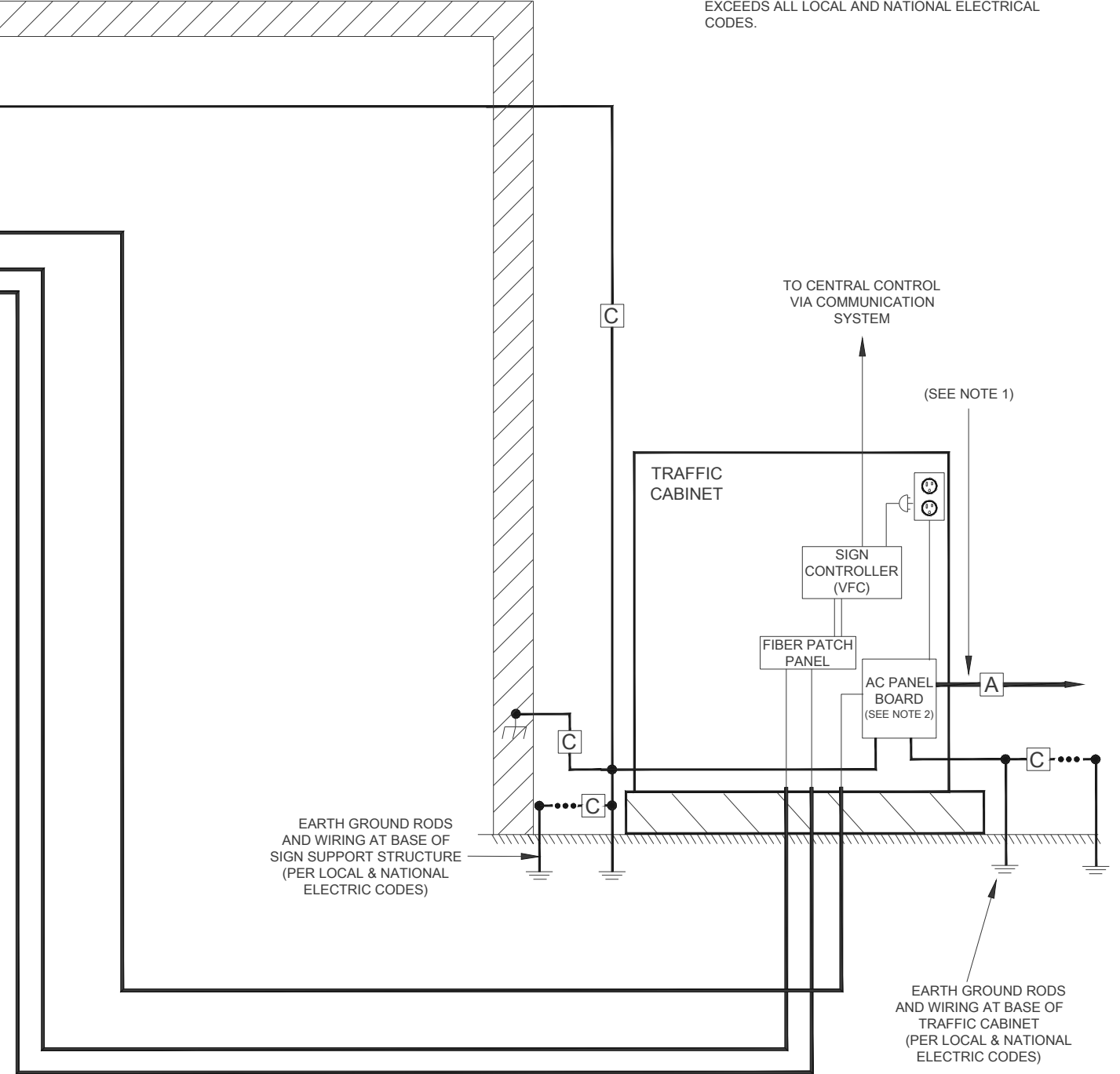
WIRE DETAIL

ID TAG	DESCRIPTION	FUNCTION
13	FIBER OPTIC CABLE, 50/125 μM, MULTI-MODE, LC CONNECTORS, 2 FIBERS MIN	SIGNAL
A	3 WIRES + GROUND (SIZED AS NEEDED PER NATIONAL ELECTRIC CODES)	120/240 VAC
C	8 AWG(MINIMUM) GROUND WIRE	SYSTEM GROUND INTERCONNECTION

NOTES:

1. WIRE BETWEEN TRAFFIC CABINET PANEL BOARD AND MAIN DISCONNECT SIZED AS NEEDED. CONTACT DAKTRONICS PERSONNEL FOR SITE POWER NUMBERS AND SIGN PARAMETERS. POWER NUMBERS ARE SUBJECT TO CHANGE.
2. DAKTRONICS SUPPLIED PANEL BOARDS IN THE TRAFFIC CABINET AND THE VF-2X20 (DMS) ACCEPTS 6 AWG TO 1 AWG WIRE.
3. SEE DISPLAY MANUAL FOR INSTRUCTIONS ON VCB ADDRESSING
4. FIBERS MAY BE CONTAINED IN A SINGLE CABLE. DAKTRONICS RECOMMENDS HAVING 1-2 TERMINATED SPARE FIBERS.

SEE NOTE 4



EARTH GROUND RODS AND WIRING AT BASE OF SIGN SUPPORT STRUCTURE (PER LOCAL & NATIONAL ELECTRIC CODES)

EARTH GROUND RODS AND WIRING AT BASE OF TRAFFIC CABINET (PER LOCAL & NATIONAL ELECTRIC CODES)

REV 02	DATE: 18 APR 18	UPDATED FIBER DESCRIPTION IN WIRE DETAIL AND FIBER ROUTING FROM TC TO DMS. ADDED SITEFIBER INTERCONNECT CHART.	BY: WLT
REV 01	DATE: 27 NOV 17	UPDATED TITLE. ADDED NOTE 4.	BY: WLT

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PROJECT:			
TITLE: SITE RISER, 1 VF-2X20, VFC IN TC			
DATE: 17 JUL 17	DIM UNITS: INCHES [MILLIMETERS]	SHEET	REV 02
SCALE: NONE	DO NOT SCALE DRAWING		
DESIGN: ASHANKS	JOB NO. P1993	FUNC - TYPE - SIZE F - 10 - B	3686201
DRAWN: ASHANKS			