



STATE OF NEW HAMPSHIRE

BUREAU OF PURCHASE AND PROPERTY
STATE HOUSE ANNEX
25 CAPITOL STREET
CONCORD, NEW HAMPSHIRE 03301-6398

ADDENDUM #2

TO RFP INVITATION #2016-10

FREDERICK E. EVERETT TURNPIKE (FEET) CORRIDOR ADVANCED TRANSPORTATION MANAGEMENT SYSTEM (ATMS)

DATE PROPOSALS DUE: APRIL 22, 2016

TIME PROPOSALS DUE: 3:00PM

PUBLICATION OF: Clarifications/Corrections to RFP Documents

This Addendum is intended to clarify a discrepancy within the RFP documents. The RFP document indicates in several places that the project includes four (4) DMS where in fact the project includes five (5) DMS. The locations of the proposed DMS are shown correctly in Appendix E: FEET CORRIDOR ATMS PROJECT BID ITEMS and in Appendix F: FEET PRELIMINARY CONCEPT (30%) DESIGN PLANS. **Therefore, there has been no change to the proposal submission deadline.**

Please note the following corrections to the RFP Documents for RFP #2016-10:

In Section 1.7 PROJECT OVERVIEW, please delete the first bullet in the third paragraph and replace with the language below.

- A Dynamic Message Sign (DMS) subsystem consisting of four (4) new DMS deployed along the project corridor and one (1) new DMS that replaces an existing PCMS;

In Section 1.8 ITS AND COMMUNICATIONS SUBSYSTEM PROJECT ELEMENTS, please delete the second bullet in the first paragraph and replace with the language below.

- Dynamic Message Signs (DMS) Subsystem: Five (5) permanent DMSs have been identified for installation within the project corridor.

In Appendix G: FEET CORRIDOR ATMS PRELIMINARY COMMUNICATIONS PATH ANALYSIS, please see Table 1 below with the highlighted corrections to DMS 101 53.4_E to indicate that it is a proposed DMS to replace the existing PCMS and to several existing devices to match the device names shown in Appendix F.

Table 1. Communications Path Evaluation

FROM		TO		Link Type (1)	Link Length, Mi.	Clearance Above Assumed Tree Canopy, Ft. (2)	60% of First Fresnel Zone, Ft. (3)
Device ID	Assumed Antenna Mounting Height, Ft.	Device ID	Assumed Antenna Mounting Height, Ft.				
FCC 1012123 tower	120	FCC 1232306 tower	100	WBH	6.4	110	-
FCC 1232306 tower	100	FCC 1060729 tower	100	WBH	8.2	15	-
FCC 1060729 tower	100	CCTV, MVDS 293 11.2N	90	WBH	7.3	30	-
FCC 1012123 tower	120	CCTV, MVDS FEET 1.3_N	80	WA	1.7	0	13
CCTV, MVDS FEET 1.3_N	80	CCTV, MVDS 0.5_S	80	WA	0.8	-10	9
FCC 1012123 tower	120	RWIS FEE 2.3_M (Exist.)	40	WA	0.7	-6	8
FCC 1012123 tower	120	DMS, MVDS FEET 3.8_S	60	WA	1.3	40	11
FCC 1012123 tower	120	CCTV, MVDS FEET 4.8_S	60	WA	2.0	65	14
FCC 1012123 tower	120	CCTV, MVDS FEET 6.2_S	60	WA	2.8	65	16
FCC 1232306 tower	100	RWIS, CCTV FEE 8.0_S (Exist.)	70	WA	2.4	6	15
FCC 1232306 tower	100	DMS FEE 8.6_S (Exist.)	40	WA	1.8	-20	13
FCC 1060729 tower	100	CCTV 293 3.4_E	60	WA	0.2	40	4
FCC 1060729 tower	100	DMS 101 53.4_E	40	WA	1.0	-25	10
FCC 1060729 tower	100	CCTV, DMS, MVDS 293 4.7_S	80	WA	1.6	57	12
CCTV, DMS, MVDS 293 4.7_S	80	CCTV, MVDS 293 6.1_N	80	WA	1.3	-20	11
CCTV, DMS, MVDS 293 4.7_S	80	CCTV, MVDS 293 6.8_S	90	WA	2.1	17	14
CCTV, MVDS 293 6.8_S	90	CCTV 293 7.5_N	60	WA	0.6	23	8
CCTV, MVDS 293 6.8_S	90	CCTV, RWIS 10.4_N (Exist.)	40	WA	3.1	23	17
CCTV, MVDS 293 11.2N	90	DMS 293 8.8_N (Exist.)	80	WA	2.2	-15	14
I-93 Fiber Backhaul (Dark)	N/A	CCTV, MVDS 93 26.9_N	N/A	F	N/A	N/A	N/A
CCTV, MVDS 93 26.9_N	80	CCTV 93 28.4_N	80	WA	1.6	39	12
CCTV, MVDS 93 26.9_N	80	CCTV 93 28.9_S	80	WA	2.1	17	14
I-93 Fiber Backhaul (Exist.)	N/A	DMS, CCTV, MVDS 93 27.8_S (Exist.)	N/A	F	N/A	N/A	N/A
I-93 Fiber Backhaul (Dark)	N/A	CCTV, MVDS 93 31.7_N	N/A	F	N/A	N/A	N/A
I-93 Fiber Backhaul (Dark)	N/A	CCTV, MVDS 93 33.0_N	N/A	F	N/A	N/A	N/A
CCTV, MVDS 93 33.0_N	90	DMS 93 32.4_S (Exist.)	40	WA	0.6	11	8
CCTV, MVDS 93 33.0_N	N/A	DMS 93 32.9_N	N/A	F	N/A	N/A	N/A
I-93 Fiber Backhaul (Exist.)	N/A	CCTV, MVDS 93 35.4_S (Exist.)	N/A	F	N/A	N/A	N/A
CCTV, MVDS 93 35.4_S (Exist.)	90	DMS 93 36.5_S	60	WA	0.9	26	9
I-93 Fiber Backhaul	N/A	DMS, CCTV, MVDS 93 36.8_N	N/A	F	N/A	N/A	N/A
DMS, CCTV, MVDS 93 36.8_N	80	RWIS, CCTV 93 34.8_N (Exist.)	40	WA	1.4	2	12
DMS, CCTV, MVDS 93 36.8_N	80	CCTV, MVDS 93 37.2_S	60	WA	0.4	13	6

(1) Link type: F = fiber; WA = wireless access; WBH = wireless backhaul.

(2) Tree canopy is assumed to be 60 feet, maximum, throughout the project. Where clearance value is less than fresnel zone value, tree canopy was observed to be less than 60 feet. Clearance shown is the expected minimum value along the link.

(3) Where shown, the Fresnel zone is calculated at 4.9 Ghz. It is not shown for wireless backbone links, because the Contractor shall determine the wireless frequency based on the data capacity required.

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Note: Contractor shall sign this Addendum #2 and include in the proposal submission (Addendum verification SHALL NOT COUNT toward the page limits indicated in the RFP).

NAME OF CONTRACTOR _____

POC SIGNATURE _____

By this signature, I acknowledge receipt of Addendum #2 and have incorporated the information received into the proposal submitted in response to RFP 2016-10.

Attachments: None