

**MANCHESTER-BOSTON REGIONAL AIRPORT
RUNWAY INCURSION MITIGATION PROJECTS
TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION AND
TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'**

ADDENDUM NO. 3

DATE: April 05, 2021
TO: ALL BIDDERS
FROM: McFarland-Johnson, Inc.
53 Regional Drive
Concord, NH 03301
PROJECT: Manchester-Boston Regional Airport
Manchester, New Hampshire
Runway Mitigation Projects

This Addendum forms part of and modifies Bidding and Contract Documents for the project named above, March 2021. The Bidder is to acknowledge receipt of this Addendum on the Bid Proposal Documents to be in compliance with the bidding requirements.

Where any original item called for in the Project Manual or indicated on the Drawings is supplemented hereby, the supplemental requirements shall be considered as added hereto.

Where any original item is amended, voided, or superseded hereby, the other provisions of such items not specifically amended, voided, or superseded shall remain in effect.

PROJECT MANUAL DOCUMENTS

Addendum Item 3.01

BID PROPOSAL

REPLACE the Bid Form Pages as follows:

DELETE: Bid Proposal Bid Form – Page BP-5 of 24 through Page BP-24 of 24

INSERT: Bid Proposal Bid Form-**Addendum #3** – Page BP-5 of 24 through Page BP-24 of 24

PLANS

Addendum Item 3.02

REPLACE the detail on Taxiways 'A1' & 'A2' Hold Line Reconfiguration (Schedule A) – Sheet G-02 entitled "*General Notes*" as follows:

DELETE: The entire Detail titled, *Work Zone Lighted Channelizer Cone* on the above noted Sheet.

INSERT: The attached detail on Taxiways 'A1' & 'A2' Hold Line Reconfiguration Sketch Plan – SK-1 titled **Addendum No. 3 – RSA Delineation Marker.**

Addendum Item 3.03

REPLACE the entire sheet for Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ (Schedules B&C) – Sheet DE-03 titled “*Demolition Plan (3 of 3)*” as follows:

- DELETE:** The entire Sheet for Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ (Schedules B&C) – Sheet DE-03 titled “*Demolition Plan (3 of 3)*”
- INSERT:** The attached entire Sheet for Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ (Schedules B&C) – Sheet DE-03 titled “*Demolition Plan (3 of 3)* - Addendum No. 3 dated April 01, 2021.”

Addendum Item 3.04

APPEND after Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ (Schedules B&C) – Sheet EP-03 with an additional Sketch Plan Sheet as follows:

- INSERT:** The attached Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ (Schedules B&C) – Sketch Plan SK-2 titled “*Addendum No. 3 – Supplemental Sketch Plan for Wind Cone Power Connection*” dated April 01, 2021.”

NOTE: Any modifications shown in this Sketch Plan shall also be considered to modify any other sheet or documentation located in the Plan Set.

ADDENDUM ITEM NO. 3.05:

MODIFY Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ (Schedules B&C) – Sheet QU-01 – Quantity Table in Schedule B Quantities as follows:

On sheet QU-01 – Quantity Table, Schedule B Quantities, modify the table to match the new quantities from the modifications by this addendum and as indicated in Addendum Item 3.01. The following line item quantities should be updated as follows (~~strike through~~, indicates original quantity):

L-108-5.1	No.8 AWG, 5kV, L-824 Type C Cable	LF	49,600 51,600
L-110-5.3	Non-Encased Electrical Conduit, 1-Way -2-inch	LF	700 800

QUESTIONS AND CLARIFICATIONS

Addendum Item 3.06

How high can we stockpile material in the proposed staging area?

Answer: For Taxiways ‘A1’ & ‘A2’ Hold Line Reconfiguration Schedule A work, the stockpile height limit was not clearly identified on the plans, or in the CSPP, but the height shall not exceed 25 feet in the identified stockpile location.

For Taxiway ‘H’ Reconfiguration to Taxiway ‘K’ Schedule B&C work, refer to Schedule B&C Sheet CS-01 *Construction Safety and Phasing Plan – Overall View*, Overall Construction Safety and Phasing Plan Notes, Note 15 which limits the stockpile heights to be 25 feet in the identified Staging and Stockpile Location.

Addendum Item 3.07

With the proposed funding, how many separate estimates will have to be broken down and submitted monthly for each job?

Answer: Since the overall project has two primary components and the work will be constructed during different time frames, it is anticipated that the Taxiways 'A1' & 'A2' Hold Line Reconfiguration (Schedule A) line items will be submitted in a separate monthly payment requisition from the other work. It is further anticipated that all of the line items for Schedule A will be completed prior to the commencement of the Taxiway 'H' Reconfiguration to Taxiway 'K' (Schedules B&C) work. Additionally, the line items for the Schedules B&C work will be combined to have a separate monthly payment requisition.

Addendum Item 3.08

Are there any provisions for an emergency opening of the runway during the closure periods?

Answer: For Schedule A work, Runway 35 will be available on "an as needed basis" due to the use of a Prior Permission Required (PPR) type closure. If an arriving aircraft requests the use of Runway 17-35 due to wind/weather or large aircraft type, the workers and equipment will need to "pull back" for the arriving aircraft and within the required time limit for the recall. Refer to Schedule A Sheets C-03 and C-04 and the Construction Safety and Phasing Plans for the required times. It is anticipated the work will be coordinated around any scheduled large aircraft arrivals, but any "pull back" is anticipated to be very short in duration.

For the Schedule B&C work, no emergency openings for arrivals or departures are anticipated to occur during the Closure Periods of the Runways for Work Areas 2A or 3A and all aircraft will use the open "active" runway available during the closure periods. However, if a distressed aircraft, or other type of urgent emergency occurs, and an aircraft or airport operations needs the use of the closed runway, the Contractor shall obey any directives from FAA and/or MHT Operations to clear the Runway Safety Area, or the entire Airport if necessary, as soon as possible to allow for proper safety of workers for the emergency.

Addendum Item 3.09

The safety and phasing plan shows the use of cones in some areas to delineate work areas and/or the RSA. In our experience they require low profile barricades filled with water with flags and lights for all delineation. Will the use of cones be allowed?

Answer: To clarify the notes on the Construction Safety and Phasing Plans for Taxiway 'H' Reconfiguration to Taxiway 'K' (Schedules B&C), the RSA delineation markers using cones with stakes (per the detail titled *RSA Delineation Marker* on Schedules B&C - Sheet G-02 *General Notes*) shall be used only for the RSA delineation. All other barricades required for use to indicate an area closure shall use the low-profile water ballasted safety barricade detail as also shown on Schedules B&C - Sheet G-02. The channelizer cones (which are required to have weighted bases for wind/jet blast protection as shown on Schedules B&C - Sheet G-02) may only be used as Haul Road markers only, as necessary, and the channelizer cones will not be allowed for aircraft area closures.

For the Construction Safety and Phasing Plans for the Taxiways 'A1' & 'A2' Hold Line Reconfiguration (Schedule A), the channelizer cone detail has been deleted from this component of the overall project and replaced with the RSA delineation markers per the modification outlined in Addendum Item 3.02 above. These delineator cones with stakes will be used for the RSA delineation and also for the work area delineation line between Taxiways 'A1' and 'A2'. All other barricades required to indicate an area closure shall use the low-profile water ballasted safety barricade detail as shown on Schedule A - Sheet G-02. Channelizer cones will not be allowed for aircraft area closures.

Addendum Item 3.10

Pre-Bid Presentation and Attendee List for informational purposes.

END OF ADDENDUM NO. 3

BID PROPOSAL

for

***RUNWAY INCURSION MITIGATION PROJECTS
TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION
AND
TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'***

at

Manchester-Boston Regional Airport

Proposal of _____ * hereinafter called "Bidder") a
corporation organized under the laws of the State of _____, a partnership, or an
individual** doing business as _____, to the **City of Manchester,**
New Hampshire, Department of Aviation (hereinafter called "Owner").

The bidder in compliance with your invitation for bids for the construction of airport improvements having examined the plans and specifications with related documents and the site of the proposed work if required, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials, and labor, hereby proposes to furnish all plant, labor, materials, supplies, equipment, services, and to construct the work in accordance with the Contract Documents, within the time set forth therein, and at the amount in U.S. dollars provided herein. This price is to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

Time of Completion and Liquidated Damages

Bidder hereby agrees to commence work under this Contract on the date to be specified in written "Notice to Proceed" of the Owner, and to fully complete the project within:

Schedule A: Taxiways 'A1' & 'A2' Hold Line Reconfiguration: Thirty (30) calendar days.

Schedules B & C: Taxiways 'H' Reconfiguration to Taxiway 'K': Ninety-Five (95) calendar days.

Bidder further agrees to pay to the Owner, as liquidated damages:

For Schedule A time duration, the sum of **six hundred dollars (\$600.00)** for each and every **calendar day** that the work remains incomplete beyond the time specified for milestone dates and completion as hereinafter provided in the Contract Documents.

For Schedules B & C time duration, the sum of **two thousand five hundred dollars (\$2,500.00)** for each and every **calendar day** that the work remains incomplete beyond the time specified for milestone dates and completion as hereinafter provided in the Contract Documents.

Bidder acknowledges receipt of the addenda shown on the attached form entitled:

ACKNOWLEDGMENT OF ADDENDA.

Bidder agrees to perform all the work described in the specifications, shown on the plans or directed, for the following unit prices:

****The name of the bidder must be exactly the same as the name under which the bidder was pre-qualified with the City of Manchester.***

***** Strike out inapplicable terms.***

NOTE: The line items listed in both Schedules B & C shall use the same unit price. If unbalanced between the schedules, the lower unit price shall govern.

ACKNOWLEDGMENT OF ADDENDA

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Addendum No. _____ Date:

Manchester-Boston Regional Airport - RUNWAY INCURSION MITIGATION PROJECT
SCHEDULE A: TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
C-105-1	1 LS	MOBILIZATION (LIMIT 10%) _____ Dollars and _____ Cents				
M-100-1	1 ALL	ALLOWANCE – GATE GUARDS Ten Thousand Dollars and Zero Cents	\$10,000	00	\$10,000	00
M-200-1	1 LS	MAINTENANCE AND PROTECTION OF TRAFFIC _____ Dollars and _____ Cents				
M-300-1	1 ALL	ALLOWANCE – MODIFICATIONS TO ALCMS EQUIPMENT Fifteen Thousand Dollars and Zero Cents	\$15,000	00	\$15,000	00
P-101-5.2	1,100 SY	COLD MILLING (2"-4.5") _____ Dollars and _____ Cents				
P-152-4.1	155 CY	UNCLASSIFIED EXCAVATION _____ Dollars and _____ Cents				
P-209-5.1	125 CY	CRUSHED AGGREGATE BASE COURSE _____ Dollars and _____ Cents				
P-403-8.1	220 TON	ASPHALT MIXTURE SURFACE COURSE _____ Dollars and _____ Cents				
P-603-5.1	130 GAL	EMULSIFIED ASPHALT TACK COAT _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport - RUNWAY INCURSION MITIGATION PROJECT
SCHEDULE A: TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
P-605-5.1	1,300 LF	JOINT SEALING FILLER _____ Dollars and _____ Cents				
P-608-8.1	215 SY	ASPHALT SURFACE TREATMENT _____ Dollars and _____ Cents				
P-620-5.1a	1,900 SF	SURFACE PREPARATION _____ Dollars and _____ Cents				
P-620-5.2b	5,100 SF	MARKING _____ Dollars and _____ Cents				
P-620-5.3c	190 LBS	REFLECTIVE MEDIA _____ Dollars and _____ Cents				
T-901-5.1	1 (1000 SF)	SEEDING _____ Dollars and _____ Cents				
T-905-5.2	6 CY	TOPOIL (FURNISHED FROM OFF THE SITE) _____ Dollars and _____ Cents				
T-908-5.1	100 SY	MULCHING _____ Dollars and _____ Cents				
L-108-5.1	2,600 LF	#8 AWG, 5KV, L-824, TYPE C CABLE INSTALLED IN TRENCH, DUCT BANK, OR CONDUIT _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport - RUNWAY INCURSION MITIGATION PROJECT
SCHEDULE A: TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
L-108-5.2	500 LF	#6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINALS _____ Dollars and _____ Cents				
L-110-5.1	310 LF	CONCRETE ENCASED ELECTRICAL CONDUIT – 1 WAY - 2-INCH _____ Dollars and _____ Cents				
L-110-5.2	190 LF	NON-ENCASED ELECTRICAL CONDUIT – 1 WAY - 2-INCH _____ Dollars and _____ Cents				
L-110-5.3	1,900 LF	REMOVAL OF EXISTING CABLE IN ELECTRICAL CONDUIT/DUCT _____ Dollars and _____ Cents				
L-125-5.1	19 EA	L-852G(L) IN-PAVEMENT RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				
L-125-5.2	4 EA	RELOCATE EXISTING ELEVATED L-804(L) RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				
L-125-5.3	12 EA	RELOCATE EXISTING AIRFIELD GUIDANCE SIGN PANELS _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport - RUNWAY INCURSION MITIGATION PROJECT SCHEDULE A: TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION BID FORM						
ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
L-125-5.4	2 EA	REMOVE AIRFIELD GUIDANCE SIGN & FOUNDATION _____ Dollars and _____ Cents				
L-125-5.5	18 EA	REMOVE EXISTING L-852G(L) IN-PAVEMENT RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				
L-125-5.6	1 EA	RELOCATE EXISTING L-852C(L) IN-PAVEMENT TAXIWAY CENTERLINE LIGHT _____ Dollars and _____ Cents				
L-125-5.7	1 EA	INSTALL NEW L-867 TYPE 1A, SIZE B LIGHT BASE JUNCTION CAN _____ Dollars and _____ Cents				

SCHEDULE A SUBTOTAL (Pages BP-7 to BP-10)

(Transfer the Subtotal Amount to Page BP-21)

\$ _____

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
C-105-6.1	1 LS	MOBILIZATION (LIMIT 3%) ____ Dollars and ____ Cents				
M-001-1	1 ALL	ALLOWANCE – GATE GUARDS <u>Thirty-five Thousand</u> Dollars and <u>Zero</u> Cents	\$35,000	00	\$35,000	00
M-200-1	1 LS	MAINTENANCE & PROTECTION OF TRAFFIC ____ Dollars and ____ Cents				
M-300-1	1 ALL	ALLOWANCE – ALCMS MODIFICATIONS <u>Eighty-five Thousand</u> Dollars and <u>Zero</u> Cents	\$85,000	00	\$85,000	00
M-400-1	1 LS	RECORD DOCUMENTS ____ Dollars and ____ Cents				
M-400-2	1 LS	FIELD DATA COLLECTION FOR GIS SURVEY CONVERSION ____ Dollars and ____ Cents				
M-500-4.1	1 LS	ENGINEER FIELD OFFICE ____ Dollars and ____ Cents				
M-600-1	1 LS	CONSTRUCTION ACCESS MODIFICATIONS ____ Dollars and ____ Cents				
M-600-2	240 TONS	VEHICLE SERVICE ROAD ASPHALT PAVEMENT ____ Dollars and ____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
M-700-1	1 ALL	ALLOWANCE FOR FAA AND MHT CABLE REPLACEMENT <u>Sixty Thousand</u> Dollars and <u>Zero</u> Cents	\$60,000	00	\$60,000	00
C-100	1 LS	CONTRATOR QUALITY CONTROL PROGRAM _____ Dollars and _____ Cents				
C-102-5.1	14 EA	INSTALLATION AND REMOVAL OF INLET PROTECTION FILTER BAGS _____ Dollars and _____ Cents				
C-102-5.2	1,500 LF	INSTALLATION AND REMOVAL OF EROSION CONTROL LOGS _____ Dollars and _____ Cents				
C-102-5.3	1 LS	INSTALLATION AND REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE _____ Dollars and _____ Cents				
C-102-5.4	2,600 SY	INSTALLATION OF EROSION CONTROL BLANKET _____ Dollars and _____ Cents				
P-101-5.1	44,800 SY	PAVEMENT REMOVAL _____ Dollars and _____ Cents				
P-101-5.2	2,000 LF	JOINT AND CRACK REPAIR _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
P-101-5.6	2,450 SY	COLD MILLING _____ Dollars and _____ Cents				
P-101-5.7A	1,100 LF	REMOVAL OF PIPE _____ Dollars and _____ Cents				
P-101-5.7B	3 EA	REMOVAL OF DRAIN INLET/MANHOLE _____ Dollars and _____ Cents				
P-101-5.7C	6 EA	REMOVAL OF ELECTRIC MANHOLE/HANDHOLE _____ Dollars and _____ Cents				
P-101-5.7D	2,500 LF	REMOVAL OF CABLING (IN CONDUIT TO REMAIN) _____ Dollars and _____ Cents				
P-152-4.1	49,000 CY	UNCLASSIFIED EXCAVATION _____ Dollars and _____ Cents				
P-152-4.2	2,500 CY	UNSUITABLE EXCAVATION _____ Dollars and _____ Cents				
P-154-5.1	27,400 CY	SUBBASE COURSE _____ Dollars and _____ Cents				
P-209-5.1	8,100 CY	CRUSHED AGGREGATE BASE COURSE _____ Dollars and _____ Cents				
P-401-8.1	8,000 TON	ASPHALT SURFACE COURSE _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
P-403-8.1	13,200 TON	ASPHALT BASE COURSE/SHOULDER PAVEMENT _____ Dollars and _____ Cents				
P-603-5.1	7,500 GAL	EMULSIFIED ASPHALT TACK COAT _____ Dollars and _____ Cents				
P-605-5.1	1,820 LF	JOINT SEALING FILLER _____ Dollars and _____ Cents				
P-620-5.1a	1,800 SF	SURFACE PREPARATION _____ Dollars and _____ Cents				
P-620-5.2b	35,000 SF	MARKINGS _____ Dollars and _____ Cents				
P-620-5.3c	1,000 LBS	REFLECTIVE MEDIA _____ Dollars and _____ Cents				
P-620-5.4d	400 SF	TEMPORARY RUNWAY AND TAXIWAY MARKING _____ Dollars and _____ Cents				
F-162-5.1	75 <i>LF</i>	CHAIN-LINK FENCE _____ Dollars and _____ Cents				
F-162-5.2b	1 EA	VEHICLE GATES _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
D-701-5.1A	500 LF	4-INCH SDR 35 PVC PIPE _____ Dollars and _____ Cents				
D-701-5.1B	8 LF	12-INCH CLASS V REINFORCED CONCRETE PIPE _____ Dollars and _____ Cents				
D-701-5.1C	270 LF	15-INCH CLASS V REINFORCED CONCRETE PIPE _____ Dollars and _____ Cents				
D-701-5.1D	350 LF	18-INCH CLASS V REINFORCED CONCRETE PIPE _____ Dollars and _____ Cents				
D-705-5.4	4,700 LF	6-INCH PIPE DOUBLE-WALL HIGH DENSITY POLYETHYLENE (SMOOTH INTERIOR/CORRUGATED EXTERIOR) _____ Dollars and _____ Cents				
D-751-5.2	1 EA	CATCH BASINS _____ Dollars and _____ Cents				
D-751-5.3	1 EA	ADJUST STRUCTURE RIM/GRATE ELEVATION _____ Dollars and _____ Cents				
D-751-5.4	1 EA	CONCRETE HEADWALL _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
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ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
T-901-5.1	250 (1000 SF)	SEEDING _____ Dollars and _____ Cents				
T-905-5.1	1,700 CY	TOPSOIL (OBTAINED ON SITE OR FROM STOCKPILE) _____ Dollars and _____ Cents				
T-905-5.2	330 CY	TOPSOIL (FURNISHED FROM OFF THE SITE) _____ Dollars and _____ Cents				
T-908-5.1	27,570 SY	MULCHING _____ Dollars and _____ Cents				
L-107-5.1	1 EA	TYPE L-806 STYLE I-B, SIZE 1 WIND CONE _____ Dollars and _____ Cents				
L-108-5.1	51,600 LF	No. 8 AWG, 5 KV, L-824, TYPE C CABLE INSTALLED IN DUCT BANK OR CONDUIT _____ Dollars and _____ Cents				
L-108-5.2	11,660 LF	#6 AWG, SOLID, BARE COPPER COUNTERPOISE WIRE, INSTALLED ABOVE THE DUCT BANK OR CONDUIT, INCLUDING CONNECTIONS/TERMINATIONS _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
L-109-7.4A	1 UNIT	INSTALLATION OF EQUIPMENT WITHIN EXISTING VAULT, 15 kW L- 829 CCR – TW K CENTERLINE _____ Dollars and _____ Cents				
L-109-7.4B	1 UNIT	INSTALLATION OF EQUIPMENT WITHIN EXISTING VAULT, 10 kW L- 829 CCR – TW K EDGE _____ Dollars and _____ Cents				
L-110-5.1	9,900 LF	CONCRETE ENCASED ELECTRICAL CONDUIT – 1 WAY - 2-INCH _____ Dollars and _____ Cents				
L-110-5.2A	470 LF	CONCRETE ENCASED ELECTRICAL DUCT BANK – 2-WAY - 4-INCH _____ Dollars and _____ Cents				
L-110-5.2B	1,060 LF	CONCRETE ENCASED ELECTRICAL DUCT BANK – 4-WAY - 4-INCH _____ Dollars and _____ Cents				
L-110-5.3	800 LF	NON-ENCASED ELECTRICAL CONDUIT – 1 WAY - 2-INCH _____ Dollars and _____ Cents				
L-110-5.4	7,200 LF	REMOVAL OF CONCRETE ENCASED OR NON-ENCASED ELECTRICAL CONDUIT/DUCT & CABLE _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
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ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
L-115-5.3	7 EA	EXISTING ELECTRICAL MANHOLE/JUNCTION STRUCTURE ELEVATION ADJUSTMENT _____ Dollars and _____ Cents				
L-115-5.4	7 EA	ELECTRICAL HANDHOLE (4’ x 4’ PRECAST CONCRETE) _____ Dollars and _____ Cents				
L-125-5.1	97 EA	NEW L-861T ELEVATED TAXIWAY EDGE LIGHT _____ Dollars and _____ Cents				
L-125-5.2	35 EA	NEW L-852C(L) IN-PAVEMENT TAXIWAY CENTERLINE LIGHT _____ Dollars and _____ Cents				
L-125-5.3	31 EA	NEW L-852K(L) IN-PAVEMENT TAXIWAY CENTERLINE LIGHT _____ Dollars and _____ Cents				
L-125-5.4	36 EA	NEW L-852G(L) IN-PAVEMENT RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				
L-125-5.5	6 EA	NEW L-804(L) ELEVATED RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				
L-125-5.6A	3 EA	NEW L-850C IN-PAVEMENT RUNWAY EDGE LIGHT _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects
SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’
BID FORM

ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
L-125-5.6B	1 EA	REPLACE L-850C IN-PAVEMENT RUNWAY EDGE LIGHT ON EXISTING BASE CAN _____ Dollars and _____ Cents				
L-125-5.7A	2 EA	NEW AIRFIELD GUIDANCE SIGN – 1 MODULE _____ Dollars and _____ Cents				
L-125-5.7B	5 EA	NEW AIRFIELD GUIDANCE SIGN – 2 MODULE _____ Dollars and _____ Cents				
L-125-5.7C	7 EA	NEW AIRFIELD GUIDANCE SIGN – 3 MODULE _____ Dollars and _____ Cents				
L-125-5.8	1 EA	REPLACE AIRFIELD GUIDANCE SIGN PANEL _____ Dollars and _____ Cents				
L-125-5.9	10 EA	REMOVE AIRFIELD GUIDANCE SIGN & FOUNDATION _____ Dollars and _____ Cents				
L-125-5.10	75 EA	REMOVE ELEVATED RUNWAY/TAXIWAY EDGE LIGHT _____ Dollars and _____ Cents				
L-125-5.11	4 EA	REMOVE ELEVATED RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects SCHEDULE B - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’ BID FORM						
ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
L-125-5.12	43 EA	REMOVE IN-PAVEMENT RUNWAY GUARD LIGHT _____ Dollars and _____ Cents				
L-125-5.13	8 EA	REMOVE, STORE AND REINSTALL EXISTING ELEVATED RUNWAY END/THRESHOLD LIGHT _____ Dollars and _____ Cents				
L-125-5.14	4 EA	REMOVE, STORE AND REINSTALL EXISTING FAA IN-PAVEMENT RUNWAY THRESHOLD LIGHT _____ Dollars and _____ Cents				

SCHEDULE B SUBTOTAL (Pages BP-11 to BP-20) \$ _____
 (Transfer the Subtotal Amount to Page BP-22)

Manchester-Boston Regional Airport – Runway Incursion Mitigation Projects SCHEDULE C - TAXIWAY ‘H’ RECONFIGURATION TO TAXIWAY ‘K’ RUNWAY 6-24 PAVEMENT MAINTENANCE BID FORM						
ITEM NO.	ESTIMATED QUANTITY/ UNIT	DESCRIPTION AND UNIT PRICE (IN WORDS)	FIGURES			
			UNIT PRICE		EXTENSION	
			Dollars	Cents	Dollars	Cents
P-101-5.6	1,150 SY	COLD MILLING _____ Dollars and _____ Cents				
P-403-8.1	300 TON	ASPHALT BASE COURSE/SHOULDER PAVEMENT _____ Dollars and _____ Cents				
P-603-5.1	170 GALS	EMULSIFIED ASPHALT TACK COAT _____ Dollars and _____ Cents				
P-605-5.1	1,800 LF	JOINT SEALING FILLER _____ Dollars and _____ Cents				

SCHEDULE C SUBTOTAL (Page BP-21)
 (Transfer the Subtotal Amount to Page BP-22)

\$ _____

SCHEDULE A: SUBTOTAL AMOUNT*(FROM PAGE BP-10)*

\$ _____

SCHEDULE B: SUBTOTAL AMOUNT*(FROM PAGE BP-20)*

\$ _____

SCHEDULE C: SUBTOTAL AMOUNT*(FROM PAGE BP-21)*

\$ _____

BID SUMMARY

TOTAL BID: _____ **dollars**
(amount in words)

(\$ _____).
(amount in figures)

The stated prices shall include-all plant, labor, materials, supplies, equipment, services, incidentals, expenses, overhead, profit, insurance, etc., perform all work required by the Contract Documents.

The Bidder agrees that the Owner may base the low bid on the Base Bid plus any, or all, of the Additive Alternates (in ascending order), if applicable.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The Bidder agrees that this bid shall be good and may not be withdrawn prior to a period of one-hundred eighty (180) calendar days after the bid opening.

The Bidder agrees that the Owner may reduce the quantities or may delete work items altogether if necessary to bring the contract awarded within funds available to finance the project. Such reduction or deletion of work shall not constitute a basis for withdrawal of this proposal.

Upon receipt of written notice of acceptance of this Bid, Bidder will execute the formal contract attached within fifteen (15) calendar days and deliver the Surety Bonds as required by the General Provisions. The bid security attached in the sum of _____ is to become the property of the Owner in the event the contract and bonds are not executed within the time above set forth, as liquidated damages for the delay and additional expenses to the Owner caused thereby.

Respectfully submitted:

Name of Bidder: _____

By: _____

Name and Title: _____

Business Address: _____

(Affix corporate seal if bid is by a corporation)

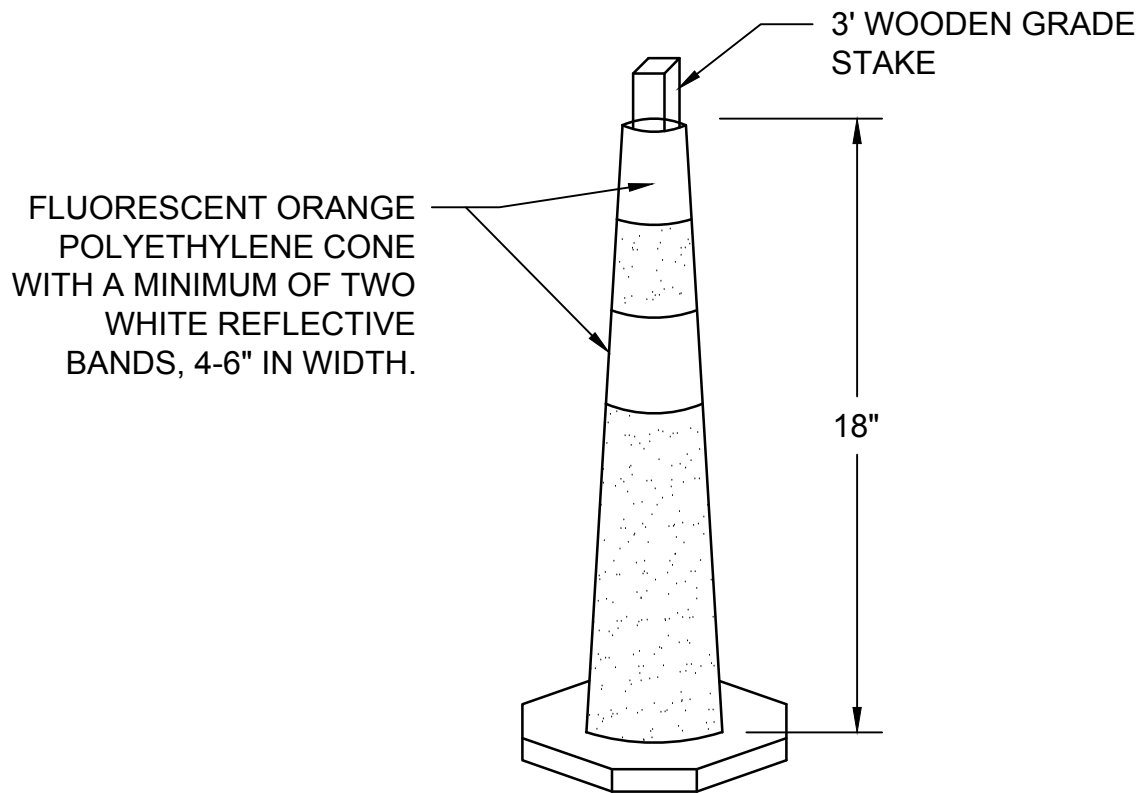
CERTIFICATE AS TO CORPORATE PRINCIPAL

BID PROPOSAL

I, _____ certify that I am the _____ of the corporation named as Bidder in the above Proposal; that who signed the said Proposal on behalf of the Bidder was then of said Corporation; that I know his/her signature and his/her signature thereto is genuine; and that said Proposal was duly signed, sealed and attested to for and in behalf of said Corporation by authority of its governing body and is within the scope of its corporate powers.

(Signature) (Corporate Seal)

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RSA DELINEATION MARKER NOTES:

1. MARKER CONES SHALL BE SPACED AT 20' ON CENTER TO PROTECT THE RUNWAY SAFETY AREA AND SHALL BE PLACED 260' FROM THE RUNWAY CENTERLINE.
2. CONTRACTOR SHALL MAKE FREQUENT INSPECTION OF THE MARKER CONES AND SHALL RELOCATE ANY CONES THAT ARE MISALIGNED.
3. TRAFFIC CONES SHALL BE ADEQUATELY SECURED TO WITHSTAND HIGH WINDS AND/OR JET BLAST USING GRADE STAKES AS SHOWN.
4. INSTALLATION, REMOVAL AND RELOCATION OF WORK AREA DELINEATION MARKERS AS DIRECTED BY THE RPR IS INCIDENTAL TO THE OVERALL PROJECT.

RSA DELINEATION MARKER

PROVIDED BY CONTRACTOR

NOT TO SCALE

(INCIDENTAL TO ITEM M-200-1)



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



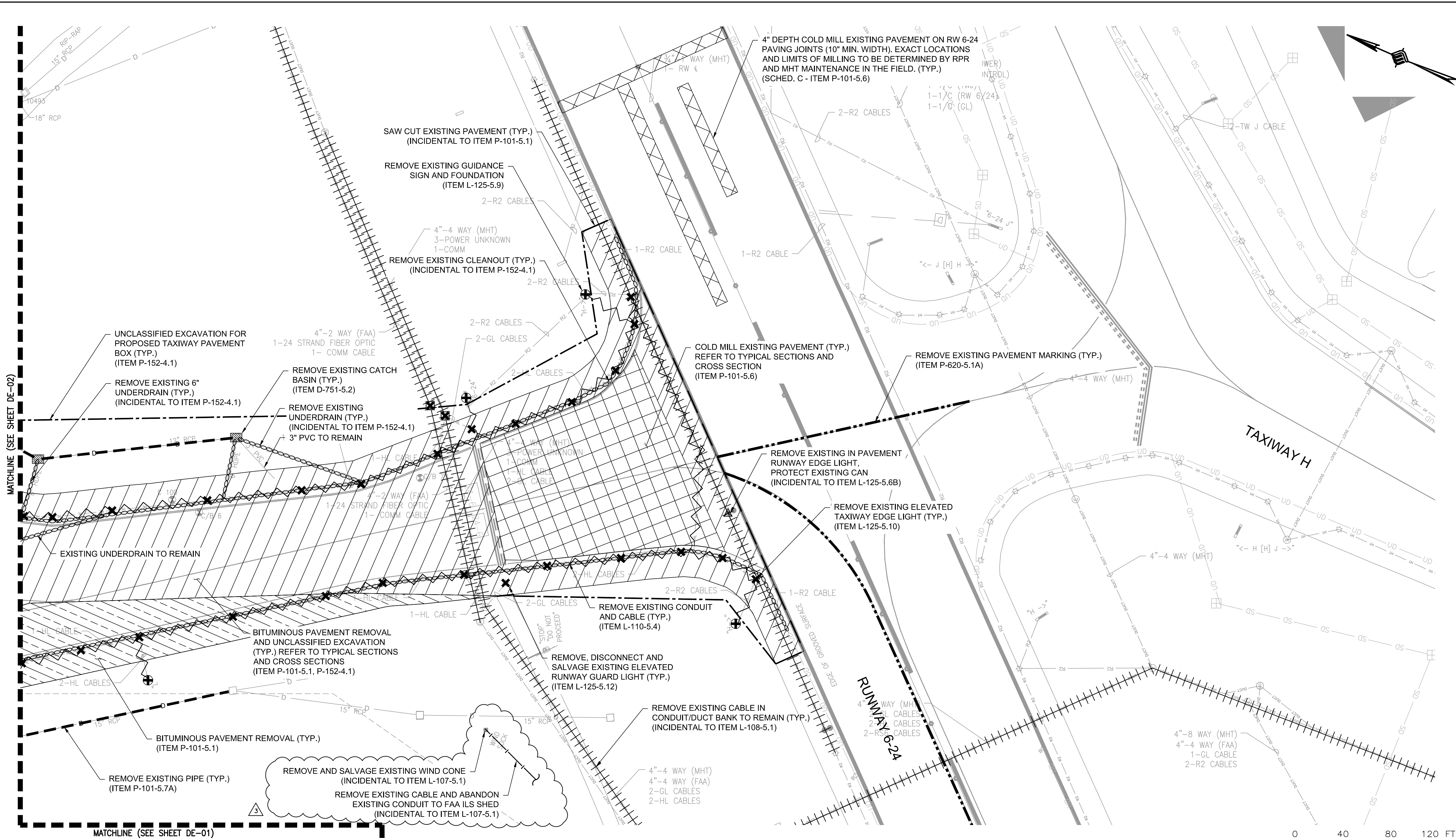
McFarland Johnson
53 REGIONAL DRIVE
CONCORD, NEW HAMPSHIRE 03301

**MANCHESTER-BOSTON REGIONAL AIRPORT
TAXIWAYS A1 & A2 HOLD LINE
RECONFIGURATION**

**ADDENDUM NO. 3 -
RSA DELINEATION MARKER**

SCALE:	NTS
DRAWN:	BRF
CHECKED:	BMB
DESIGN:	SSS
PROJECT:	18700.01
DATE:	4/1/2021

SK 1



LEGEND:

	FULL DEPTH BITUMINOUS PAVEMENT REMOVAL AND UNCLASSIFIED EXCAVATION
	BITUMINOUS PAVEMENT REMOVAL
	COLD MILL EXISTING PAVEMENT
	SAWCUT PAVEMENT
	REMOVE EXISTING CABLE FROM CONDUIT
	REMOVE EXISTING ELECTRICAL CONDUIT AND CABLE
	REMOVE EXISTING CABLE FROM CONDUIT TO BE ABANDONED
	REMOVE EXISTING PAVEMENT MARKING

	REMOVE EXISTING PIPE
	REMOVE EXISTING UNDERDRAIN
	LIMITS OF UNCLASSIFIED EXCAVATION
	REMOVE LIGHT AND BASE
	REMOVE AND STORE LIGHT
	REMOVE SIGN AND BASE
	REMOVE DRAINAGE STRUCTURE
	REMOVE ELECTRICAL MANHOLE
	REMOVE EXISTING IN PAVEMENT RUNWAY EDGE LIGHT

NOTES:

- FOR ADDITIONAL NOTES SEE SHEET DE-01.
- MHT MAINTENANCE WILL "SELF-PERFORM" CRACK SEALING WORK FOR RUNWAY 6-24 PAVEMENT REPAIRS. CONTRACTOR SHALL COORDINATE THE SCHEDULING OF THE CRACK SEALING WORK WITH MHT MAINTENANCE TO OCCUR AFTER THE MILLING AND PRIOR TO THE PAVEMENT INSTALLATION.

ENGINEER'S SEAL

PROJECT DESIGNER

McFarland Johnson
53 REGIONAL DRIVE, CONCORD, NH 03301-5022
PH: 603-225-2978 FAX: 603-225-0095

CITY OF MANCHESTER
DEPARTMENT OF AVIATION
MANCHESTER, NEW HAMPSHIRE

MANCHESTER BOSTON REGIONAL AIRPORT
TAXIWAY H RECONFIGURATION TO TAXIWAY K

DEMOLITION PLAN (3 OF 3)

REV. NO.	DATE	DESCRIPTION	BY
1	04/01/21	ADDENDUM NO. 3	SSS

MJ PROJ. No.:18700.01

FILE NAME:

AIP No.: 3-33-0011-XXX-2021

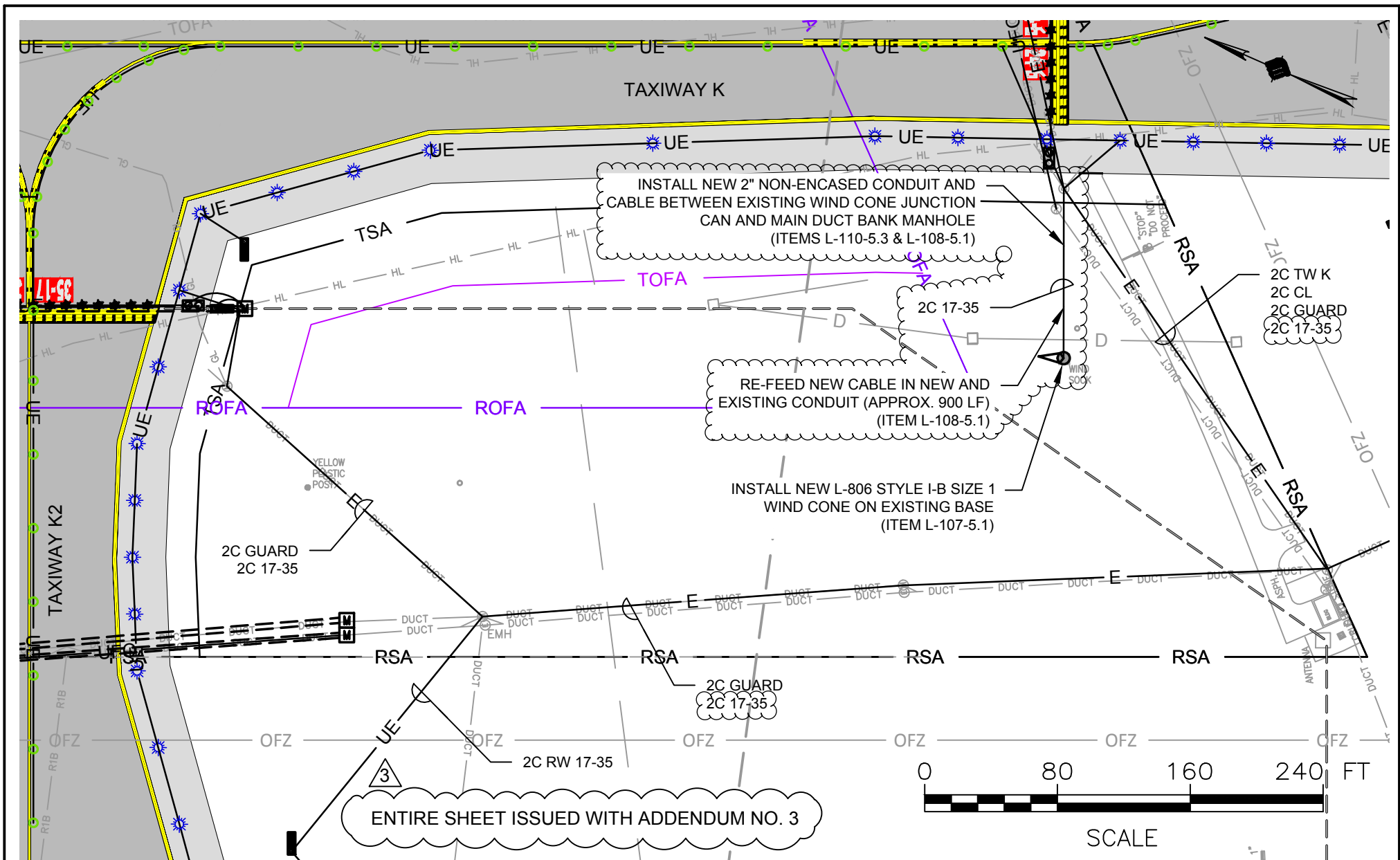
DRAWING NO.

DE-03


SHEET 18 OF 60

SCALE: 1"=40'

DATE: MARCH 2021



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECT DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

 <p>McFarland Johnson 53 REGIONAL DRIVE CONCORD, NEW HAMPSHIRE 03301</p>	<p align="center">MANCHESTER-BOSTON REGIONAL AIRPORT TAXIWAY H RECONFIGURATION TO TAXIWAY K</p>		SCALE: 1" = 80'	SK 2
	<p align="center">ADDENDUM NO. 3 - SUPPLEMENTAL ELECTRICAL SKETCH FOR WIND CONE POWER CONNECTION</p>		DRAWN: BRF	
			CHECKED: BMB	
			DESIGN: SSS	
			PROJECT: 18700.01	
			DATE: 4/1/21	



Manchester-Boston Regional (MHT) Airport, Manchester-Londonderry, NH

Location: Webcast Meeting & In Person @ MHT Terminal 3rd Floor Boardroom

[illegible]

MANCHESTER-BOSTON REGIONAL AIRPORT

RUNWAY INCURSION MITIGATION PROJECTS

**TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION &
TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'**

MHT BID NO. FY21-850-025 & FY21-850-026

PRE-BID MEETING & WEBCAST – MARCH 30, 2021 – 2:30 PM



McFarland Johnson

Planning, Engineering & Construction Administration



Manchester·Boston

REGIONAL AIRPORT

MEETING INFORMATION

THIS PRE-BID MEETING AND WEBCAST IS FOR COMPANIES INTERESTED IN
BIDDING ON RUNWAY INCURSION MITIGATION PROJECTS FOR THE:
TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION AND
TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'
AT MANCHESTER-BOSTON REGIONAL AIRPORT

PLEASE MUTE YOUR MICROPHONES DURING PRESENTATION (EXCEPT TO
ASK A QUESTION) TO REDUCE ANY POTENTIAL BACKGROUND NOISE AND
ALSO LOG IN USING YOUR NAME AND THE NAME OF THE COMPANY YOU
ARE REPRESENTING IN THE CHAT SECTION.



AGENDA

- ✈ INTRODUCTION
- ✈ BID DATE & LOCATION
- ✈ PROJECT OVERVIEW
- ✈ PROCUREMENT PROCESS



BID DATE & LOCATION

- ✈ DATE: PRIOR TO FRIDAY, APRIL 16, 2021 @ 2:30 P.M. (LOCAL TIME)
- ✈ LOCATION: MANCHESTER-BOSTON REGIONAL AIRPORT, TERMINAL BUILDING 3RD FLOOR, ADMINISTRATIVE OFFICES BOARDROOM, MANCHESTER, N.H.
- ✈ BIDS WILL BE PUBLICLY OPENED AND READ ALOUD



OVERALL PROJECT DESCRIPTION

THE OVERALL RUNWAY INCURSION MITIGATION PROJECT HAS 2 COMPONENTS BEING PERFORMED IN SEPARATE LOCATIONS, WITH SEPARATE PLANS, TECHNICAL SPECIFICATIONS, AND CONTRACTS AND EACH PROJECT WILL HAVE SEPARATE PROJECT DURATIONS WHICH ARE ANTICIPATED TO BE CONSTRUCTED AT DIFFERENT TIMES.

PROJECT COMPONENTS ARE:

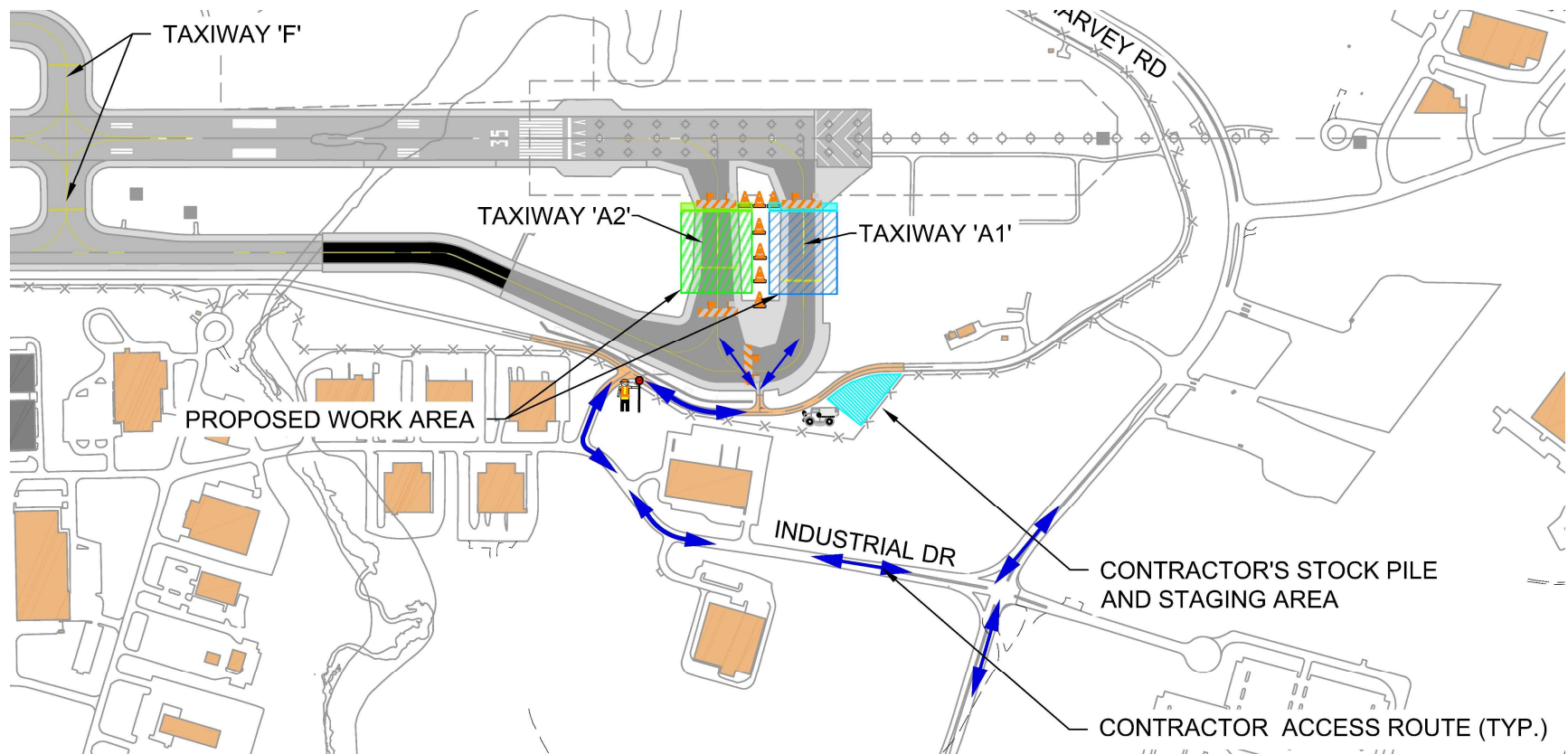
✈ TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION

AND

✈ TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'



TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION



TAXIWAYS 'A1' & 'A2' HOLD LINE RECONFIGURATION BID FORM SCHEDULE A

SCHEDULE A: WORK IS ANTICIPATED TO START CONSTRUCTION IN LATE SUMMER/EARLY FALL 2021. THE SCOPE OF WORK INCLUDES:

- ✈ CONDUIT INSTALLATION
- ✈ ELEVATED RUNWAY GUARD LIGHT RELOCATION
- ✈ IN-PAVEMENT RUNWAY GUARD LIGHT REMOVAL AND INSTALLATION
- ✈ PAVEMENT MARKING REMOVAL
- ✈ SURFACE SEALANT AND INSTALLATION OF NEW MARKINGS
- ✈ HMA MILLING AND PAVING
- ✈ AIRFIELD SIGNAGE PANEL RELOCATIONS
- ✈ ALCMS GRAPHIC MODIFICATION
- ✈ TURF ESTABLISHMENT



CONSTRUCTION PHASING & DURATION

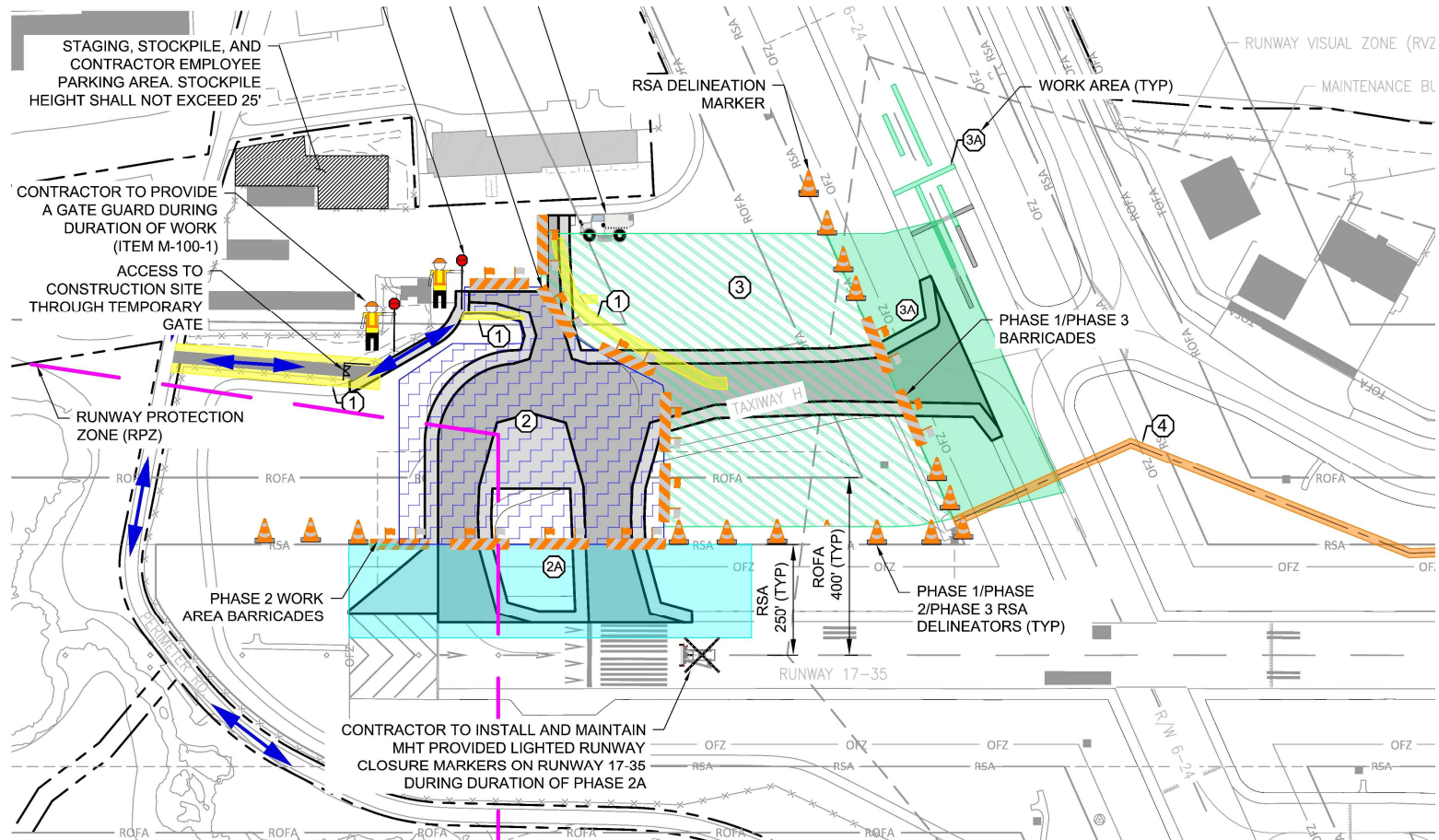
TWs 'A1' & 'A2' HOLD LINE RECONFIGURATION

ALL WORK UNDER THE CONTRACT FOR SCHEDULE A MUST BE COMPLETED WITHIN 30 CALENDAR DAYS OF THE DATE SPECIFIED IN THE "NOTICE TO PROCEED"

- ✈ PHASE 1: TAXIWAY 'A2' HOLD LINE, LIGHTING AND SIGNAGE RECONFIGURATION WORK – 15 Consecutive Calendar Days after NTP
- ✈ PHASE 1A: TAXIWAY 'A2' HOLD LINE RECONFIGURATION WORK WITHIN RUNWAY 17 RSA – 3 Consecutive Calendar Days within Phase 1
- ✈ PHASE 2: TAXIWAY 'A1' HOLD LINE, LIGHTING AND SIGNAGE RECONFIGURATION WORK - 15 Consecutive Calendar Days after Phase 1
- ✈ PHASE 2A: TAXIWAY 'A1' HOLD LINE RECONFIGURATION WORK WITHIN RUNWAY 17 RSA – 3 Consecutive Calendar Days within Phase 2



TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'



TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'

BID FORM SCHEDULES B&C

SCHEDULES B & C: WORK IS ANTICIPATED TO START IN SPRING 2022. THE PROJECT WILL RECONFIGURE THE NORTHERLY PORTION OF THE TAXIWAY 'H' ALIGNMENT TO BE RENAMED TAXIWAY 'K' FROM RUNWAY 6-24 TO THE RUNWAY 17 END AND INCLUDES THE CONSTRUCTION OF A NEW BY-PASS STUB AT THE RUNWAY 17 END. THE PROJECT WILL ALSO RECONFIGURE THE TAXIWAY 'L' INTERSECTION INTO THE NORTHEAST RAMP. THE SCOPE OF WORK INCLUDES:

- ✦ HORIZONTAL AND VERTICAL GEOMETRY MODIFICATIONS
- ✦ NEW SUBBASE AND BASE MATERIALS FOR WIDENED AND NEW GEOMETRY LAYOUT
- ✦ REMOVAL OF EXISTING PAVEMENT MATERIALS FOR NEW GEOMETRY LAYOUT
- ✦ MILLING OF EXISTING SURFACE PAVEMENT TO REMAIN
- ✦ NEW BITUMINOUS PAVEMENT MATERIALS
- ✦ NEW AIRPORT LIGHTING SYSTEMS AND CABLING (TW EDGE, TW CENTERLINE, ELEVATED AND IN-PAVEMENT RGLs)
- ✦ NEW DUCT BANKS
- ✦ NEW AIRPORT GUIDANCE SIGNS AND PANEL UPGRADES AND CABLING
- ✦ FAA AND MHT CABLING REPLACEMENTS
- ✦ ALCMS SYSTEM AND GRAPHIC UPGRADES
- ✦ DRAINAGE IMPROVEMENTS
- ✦ TEMPORARY EROSION AND SEDIMENTATION CONTROLS
- ✦ NEW TURFED AREAS DUE TO NEW GEOMETRY LAYOUT
- ✦ RESTORATION OF TURF GROWTH FOR ALL DISTURBED AREAS
- ✦ PAVEMENT MARKINGS
- ✦ ALL OTHER INCIDENTAL ITEMS FOR A COMPLETED PROJECT



CONSTRUCTION PHASING & DURATION

TAXIWAY 'H' RECONFIGURATION TO TAXIWAY 'K'

ALL WORK UNDER THE CONTRACT FOR SCHEDULES B&C MUST BE COMPLETED WITHIN 95 CALENDAR DAYS OF THE DATE SPECIFIED IN THE "NOTICE TO PROCEED".

- ✦ PHASE 1 – TEMPORARY SITE ACCESS, PLACEMENT OF CONES/BARRICADES AND PHASE 2 TEMPORARY AIRFIELD ACCESS - 3 CONSECUTIVE CALENDAR DAYS AFTER THE NOTICE TO PROCEED
- ✦ PHASE 2 – NORTHERN SECTION OF TAXIWAY 'H' FROM TAXIWAY 'L' INTERSECTION TO RUNWAY 17-35 RSA - 52 CONSECUTIVE CALENDAR DAYS AFTER PHASE 1
- ✦ PHASE 2A – NORTHERN SECTION OF TAXIWAY 'H' WITHIN RUNWAY 17-35 RSA
- 15 CONSECUTIVE CALENDAR DAYS WITHIN PHASE 2
- ✦ PHASE 3 – SOUTHERN SECTION OF TAXIWAY 'H' FROM TAXIWAY 'L' INTERSECTION TO RUNWAY 6-24 RSA - 35 CONSECUTIVE CALENDAR DAYS AFTER PHASE 2
- ✦ PHASE 3A – SOUTHERN SECTION OF TAXIWAY 'H' WITHIN RUNWAY 6-24 RSA
- 15 CONSECUTIVE CALENDAR DAYS WITHIN PHASE 3
- ✦ PHASE 4 – HOME RUN CABLING - 5 CALENDAR DAYS ADDED TO PHASE 2 OR PHASE 3



BID DOCUMENTS REQUIRED WITH BID

- ✈ BID DOCUMENTS REQUIRED TO BE SUBMITTED (OR COULD BE CAUSE FOR DISQUALIFICATION):
 - ✈ PROPOSAL AND BID FORM WITH ACKNOWLEDGEMENT OF ADDENDA
 - ✈ BID BOND
 - ✈ BID CERTIFICATION OF AIP COMPLIANCE DOCUMENT, INCLUDING:
 - *AFFIRMATIVE ACTION CERTIFICATION*
 - *CERTIFICATION OF BUY AMERICAN*
 - *DISADVANTAGED BUSINESS ENTERPRISE ASSURANCES AND UTILIZATIONS/LETTERS OF INTENT*
 - *NON-COLLUSION AFFIDAVIT*
 - *CERTIFICATION OF PROHIBITION OF SEGREGATED FACILITIES*
 - *CERTIFICATION OF PROHIBITION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION*
 - *TRADE RESTRICTION CERTIFICATION*
 - *DISCLOSURE OF LOBBYING ACTIVITIES*
 - *CERTIFICATION OF OFFERER/BIDDER REGARDING TAX DELINQUENCY AND FELONY CONVICTION*



FEDERAL CONTRACT PROVISIONS: BUY AMERICAN

✚ BIDDER'S ATTENTION IS DIRECTED TO THE REQUIRED FEDERAL CONTRACT PROVISIONS AND FAA PROGRAM GUIDANCE LETTER PG-10-02 (BUY AMERICAN)

✚ BUY AMERICAN

✚ THIS PROJECT IS SUBJECT TO BUY AMERICAN REQUIREMENTS. ALL STEEL AND MANUFACTURED GOODS TO BE UTILIZED ON THE PROJECT MUST HAVE BUY AMERICAN CERTIFICATION (PROOF TO BE PROVIDED WITH THE SHOP DRAWING SUBMITTAL). FAA IS DIFFERENT THAN FHWA'S PROGRAM. PRODUCTS MUST BE CERTIFIED UNDER ONE OF THE FOLLOWING:

- PRODUCT OR MATERIAL IS WHOLLY PRODUCED IN THE U.S. OF U.S. MATERIALS
- MATERIAL IS ON THE NATIONWIDE BUY AMERICAN WAIVER CONFORMANCE LIST – TYPE 1 OR 2
- A WAIVER HAS BEEN GRANTED BY THE FAA – TYPE 3 OR 4
WAIVERS REQUESTED FOR NON-U.S. PRODUCED PRODUCTS ARE TIME CONSUMING, COULD TAKE 6 MONTHS OR LONGER AND NO GUARANTEE OF APPROVAL

✚ BUY AMERICAN CERTIFICATION IS REQUIRED FROM THE PRIME CONTRACTOR, SUBCONTRACTORS, VENDORS, AND ALL LOWER TIER SUBCONTRACTORS AND VENDORS

✚ THE FAA MAINTAINS A BUY AMERICAN WEB SITE: www.faa.gov/airports/aip/buy_American/



FEDERAL CONTRACT PROVISIONS: DISADVANTAGED BUSINESS ENTERPRISE (DBE)

MHT HAS ESTABLISHED A DBE AND SMALL BUSINESS PROGRAM IN ACCORDANCE WITH 49 CFR PART 26 AND THE U.S. DEPARTMENT OF TRANSPORTATION REGULATIONS

✈ THIS PROJECT HAS A DBE GOAL OF 3.7%

CONTRACTORS MUST COMPLY WITH 49 CFR PART 26 AND THE AIP FEDERAL CONTRACT PROVISIONS CONTAINED IN VOLUME V

- ✈ MUST MAKE A GOOD FAITH EFFORT TO SEEK NOTICES TO ALL FIRMS INCLUDING DBE AND SMALL BUSINESS
- ✈ ALL BIDDERS MUST PROVIDE LIST INFORMATION ON ALL FIRMS CONTACTED OR CONSIDERED AS POTENTIAL SUBCONTRACTORS OR SUPPLIERS ON THIS PROJECT
- ✈ IDENTIFICATION OF DBE SUBCONTRACTORS AND SUPPLIERS CONTAINED WITH THE BID. PROVIDE LIST OF SUBCONTRACTORS/SUPPLIERS
- ✈ PROMPT PAYMENT REQUIREMENTS
- ✈ REFER TO ALL DBE REQUIREMENTS FOR BID SUBMISSION & CONFORMANCE



FEDERAL CONTRACT PROVISIONS: EQUAL EMPLOYMENT OPPORTUNITY (EEO)

✈ CERTIFICATION WITH REGARDS TO THE PERFORMANCE OF PREVIOUS CONTRACTS
SUBJECT TO EEO REQUIREMENTS AND THE FILING OF REQUIRED REPORTS

✈ FORMS:

✈ AFFIRMATIVE ACTION CERTIFICATION

✈ EQUAL EMPLOYMENT OPPORTUNITY REPORT STATEMENT AS REQUIRED BY 41
CFR 60-1.7 (b)



FEDERAL CONTRACT PROVISIONS: GOALS FOR MINORITY AND FEMALE PARTICIPATION – AFFIRMATIVE ACTION

- ✈ GOALS FOR MINORITY PARTICIPATION FOR EACH TRADE:
 - ✈ SCHEDULE A – 4.0% (Rockingham County)
 - ✈ SCHEDULES B&C – 0.7% (Hillsborough County)
- ✈ GOAL FOR FEMALE PARTICIPATION IN EACH TRADE:
 - ✈ ALL SCHEDULES – 6.9%
- ✈ THE GOALS ARE NOT DOLLAR VALUES BUT PERCENTAGES OF CONTRACTOR'S WORK FORCE IN EACH TRADE ON ALL CONSTRUCTION WORK IN THE COVERED AREA



FEDERAL CONTRACT PROVISIONS: DEBARMENT AND NON-COLLUSION AFFIDAVIT

- ✈ CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS THAT ARE CURRENTLY PROHIBITED FROM PARTICIPATING ON FEDERALLY AND STATE FUNDED PROJECTS WILL NOT BE ALLOWED TO PARTICIPATE IN THIS PROJECT
- ✈ THE CONTRACTOR WILL BE REQUIRED TO DOCUMENT THAT ALL SUBCONTRACTORS AND SUPPLIERS ARE NOT DEBARRED OR RESTRICTED FROM PARTICIPATING IN FEDERALLY AND STATE FUNDED PROJECTS
- ✈ FORMS:
 - ✈ CERTIFICATION REGARDING DEBARMENT AND SUSPENSION (BIDDER OR OFFEROR AND SUCCESSFUL BIDDER REGARDING LOWER TIERED PARTICIPANTS)



FEDERAL CONTRACT PROVISIONS: NONSEGREGATED FACILITIES REQUIREMENTS

✈ FORMS:

- ✈ CERTIFICATION OF NONSEGREGATED FACILITIES



REGISTERED TO DO BUSINESS IN NEW HAMPSHIRE

✈ ALL BIDDERS AND SUBCONTRACTORS MUST BE REGISTERED TO DO BUSINESS IN THE STATE OF NEW HAMPSHIRE



PERMITS AND REGULATION REQUIREMENTS

- ✈ THE CONTRACTOR SHALL COMPLY WITH ALL PROJECT PERMITS, GENERAL PERMITS, STATE LAWS, AND STATE AND LOCAL REGULATIONS
- ✈ A NHDES ALTERATION OF TERRAIN PERMIT IS STILL PENDING AND ANTICIPATED TO BE IN PLACE PRIOR TO CONSTRUCTION. FROM COORDINATION WITH NHDES, IT IS ANTICIPATED THAT ANY PERMIT CONDITIONS HAVE BEEN DESIGNED INTO THE PROJECT.
- ✈ THE CONTRACTOR WILL BE RESPONSIBLE FOR FILING THE EPA NOTICE OF INTENT FOR COVERAGE UNDER THE NPDES CONSTRUCTION GENERAL PERMIT FOR STORMWATER DURING CONSTRUCTION AND THE SWPPP DEVELOPMENT FOR THE PROJECT (DISTURBANCE > 1 ACRE)



WAGE RATES

- ✈ THE PROJECT IS SUBJECT TO DAVIS BACON REQUIREMENTS. REFER TO THE PROJECT MANUAL
- ✈ NOTE A MAJORITY OF THE OVERALL WORK (TAXIWAY 'H' RECONFIGURATION – SCHEDULES B & C) IS IN MANCHESTER (HILSBOROUGH COUNTY), BUT THE TAXIWAY 'A1' & 'A2' WORK (SCHEDULE A) IS LOCATED WITHIN LONDONDERRY (ROCKINGHAM COUNTY)
- ✈ CERTIFIED PAYROLLS ARE REQUIRED FROM THE CONTRACTOR, SUBCONTRACTOR, AND LOWER TIER SUBCONTRACTORS. NO PAYMENT TO THE CONTRACTOR CAN BE MADE UNTIL THE PAYROLLS ARE SUBMITTED AND REVIEWED FOR THE PERIOD IN WHICH PAYMENT IS BEING REQUESTED



BONDS

- ✈ BID BOND SHALL BE 5% OF THE TOTAL BID AMOUNT
- ✈ THE PROJECT WILL REQUIRE 100% PERFORMANCE AND 100% PAYMENT BONDS FOR THE AWARD AMOUNT
- ✈ THE PROJECT WILL REQUIRE WARRANTY BONDS FOR 5% OF THE CONSTRUCTED AMOUNT FOR 1 YEAR DURATION AFTER THE FINAL ACCEPTANCE DATE



OSHA TRAINING

- ✈ ALL EMPLOYEES TO BE EMPLOYED AT THE JOB SITE MUST HAVE SUCCESSFULLY COMPLETED A COURSE IN CONSTRUCTION SAFETY AND HEALTH APPROVED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION THAT IS 10 HOURS IN DURATION
- ✈ EMPLOYEES ARE REQUIRED TO CARRY THE CARDS ISSUED PROVING COMPLETION OF THE COURSE
- ✈ COPIES OF EMPLOYEES CARDS SHALL BE SUBMITTED WITH 1ST PAY REQUISITION



LIQUIDATED DAMAGES

✈ REFER TO PROJECT MANUAL IN INFORMATION FOR BIDDERS:

✈ SCHEDULE A (TAXIWAY 'A1' & 'A2'): \$600 PER DAY

✈ SCHEDULES B & C (TAXIWAY 'H' RECONFIGURATION): \$2,500 PER DAY



INSURANCE REQUIREMENTS

- ✈ REFER TO PROJECT MANUAL SUPPLEMENTAL PROVISION – INSURANCE REQUIREMENTS
 - ✈ COMM. GEN. INSURANCE: \$2,000,000 EACH OCCURRENCE, \$5,000,000 AGGREGATE
 - ✈ VEHICLE INSURANCE: \$1,000,000 EACH OCCURRENCE
 - ✈ UMBRELLA COVERAGE: \$5,000,000



SECURITY IDENTIFICATION & SITE SECURITY REQUIREMENTS

✈ REFER TO PROJECT MANUAL BUT PRIMARILY IN THE SUPPLEMENTAL PROVISIONS AND CSPP DOCUMENTS FOR BADGING AND SITE SECURITY REQUIREMENTS.

✈ BADGING IS REQUIRED



PROJECT EXECUTION REQUIREMENTS

NOTED PROJECT EXECUTION REQUIREMENTS:

PAVEMENT SWEEPING:

- ✈ OPERATIONAL SWEEPER ON-SITE AT ALL TIMES

✈ AERIAL CONSTRUCTION AND FINISHED PRODUCT PHOTOS:

✈ REQUIRED FOR SCHEDULES B&C

- ✈ SEE SCHEDULES B&C TECHNICAL SPECIFICATION SECTION M-400

✈ POST-CONSTRUCTION GIS SURVEY: REQUIRED

- ✈ SEE SCHEDULES B&C TECHNICAL SPECIFICATION SECTION M-400

✈ ENGINEER'S OFFICE FURNISHINGS:

- ✈ NONE REQUIRED FOR SCHEDULE A WORK
- ✈ SEE TECHNICAL SPECIFICATION M-500 FOR SCHEDULES B & C

REFER TO PROJECT MANUAL AND PLANS FOR ALL PROJECT REQUIREMENTS



DEADLINE FOR QUESTIONS

- ✦ TUESDAY, APRIL 13, 2021 @ 12:00 P.M. (NOON)
- ✦ QUESTIONS ARE TO BE FORWARDED IN WRITING TO
- ✦ BRIAN BENNETT, McFARLAND JOHNSON
 - ✦ FAX: (603) 225-0095 OR
 - ✦ EMAIL: bbennett@mjinc.com
- ✦ McFARLAND JOHNSON AND MHT WILL REVIEW ALL QUESTIONS AND ISSUE ADDENDA SHOULD THE DOCUMENTS BE INCOMPLETE OR UNCLEAR NO LATER THAN 24 HOURS PRIOR TO BID OPENING.
- ✦ 2 ADDENDA HAVE BEEN ISSUED AS OF THIS DATE



BID DATE & LOCATION CONFIRMATION

- ✈ DATE: PRIOR TO FRIDAY, APRIL 16, 2021 @ 2:30 P.M. (LOCAL TIME)
- ✈ LOCATION: MANCHESTER-BOSTON REGIONAL AIRPORT, TERMINAL BUILDING 3RD FLOOR, ADMINISTRATIVE OFFICES BOARDROOM, MANCHESTER, N.H.



RUNWAY INCURSION MITIGATION PROJECTS PRE-BID MEETING AND WEBCAST

THANK YOU

Questions?
(Please follow-up in writing)

bbennett@mjinc.com

