



# RWY 5-23 Rehabilitation Project

## **Phase IX**

(Formerly Phase II, Stage D)

*Overview, Timing &  
Operational Impacts*



# Thank You!

We understand the impacts of this Runway 5-23 Project and appreciate everyone's understanding and patience as we continue forward with this project over the next several years.

DM continues to work closely with our engineers and contractors to minimize airfield impacts as best we can during each phase of construction.



# Overall Runway 5-23 Rehabilitation Project Status Update

## Phase II, Stage A (**FAA Phase VI**): 2020

- Access road installed on the East side of Runway 5-23 along runway safety area grading on Runway 5-23



## Phase II, Stage B (**FAA Phase VII**): 2021

- Culvert replacements at the approach end of Runway 23



## Phase II, Stage C (**FAA Phase VIII**): 2022

- Installation of new Medium Intensity Approach Lighting System with Runway End Identifier Lights (MALSR) system & glide slope shack



*To better align with FAA construction phasing, DM AIRPORTS, LTD. is transitioning to the Roman numeral identifier system for continuity. We will no longer refer to phases of construction as "Phase II, Stage D, E, etc." So, what would have been Phase II, Stage D is now: **Phase IX***





## Project Overview

**Phase IX** of our Runway 5-23 Rehabilitation Project focuses on replacing the original drainage culvert that runs parallel to Taxiway Bravo and crosses underneath Taxiway Alpha and Runway 5-23 (*Culvert replacement orange & blue area in left image*).

To accommodate this work, the contractor will work in two stages; Work Area 1 & Work Area 2 to minimize the airfield impact as much as possible.

## Overall Project Timeline

**July 1, 2023 - September 15, 2023**

### Work Area 1: July 10 – August 10\*

- 30-day complete closure of Runway 5-23

### Work Area 2: August 14 – September 8\*

- 22-day closure of Alpha/Bravo intersection

*\*Blue section of Culvert Replacement Area:*

*Work Area 1*

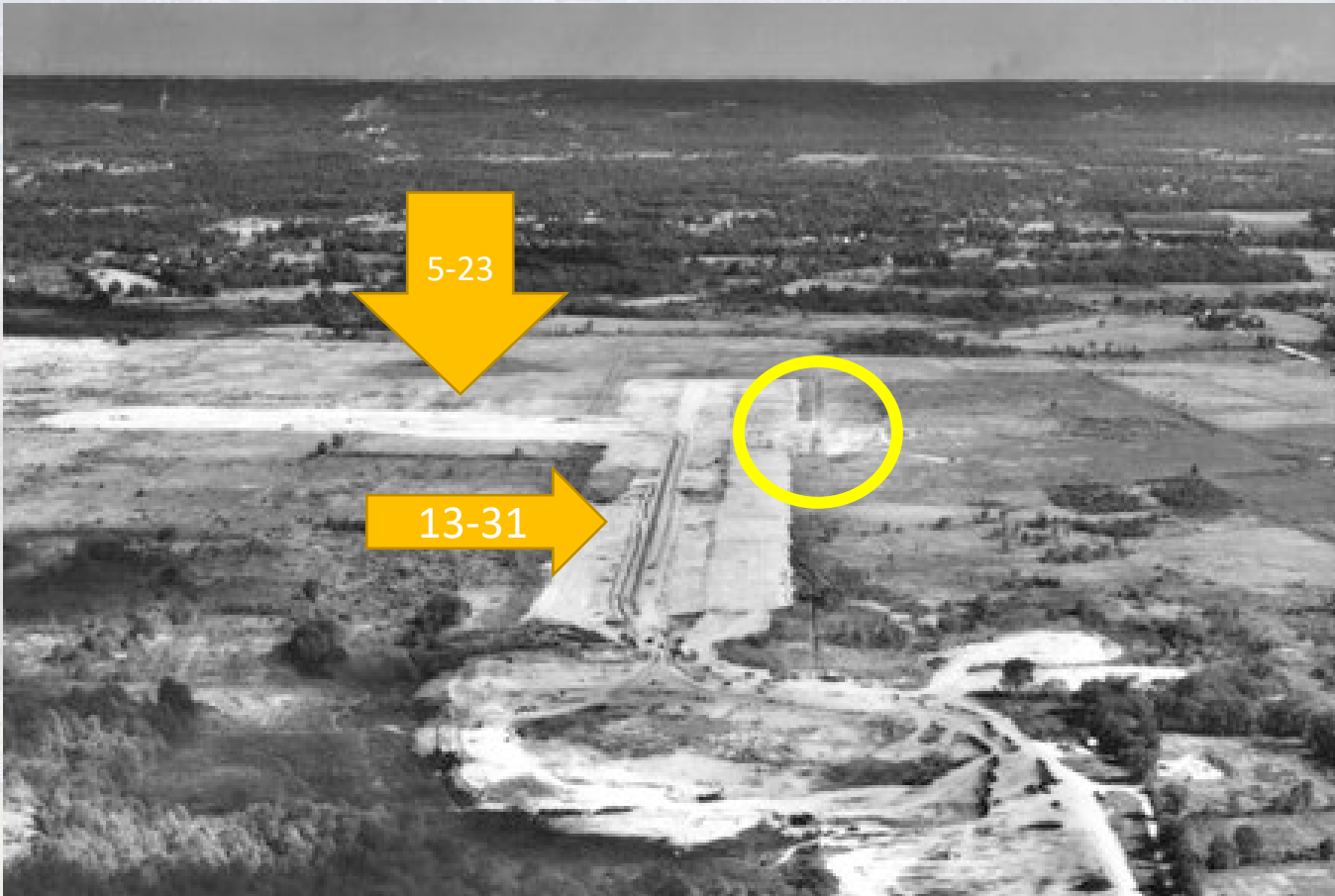
*\*Orange section of Culvert Replacement Area:*

*Work Area 2*

***Prior to work commencing in Work Areas 1 & 2, there will be FULL airport, nightly-closures (2200-0600) to install/remove sheet piling installed by a 100' crane***



# Phase IX Reasoning



As part of the original development of Morristown Airport, a 36-inch drainage pipe was installed in order to allow water flow underneath Runway 5-23.

There are no records to indicate that this original drainage pipe has ever been replaced and was undersized from the start given the amount of water that has historically flowed on a seasonal basis from the West side of the airport towards the East.

Phase IX will replace the 36-inch drainage pipe with a 56"x72" concrete box culvert, like the culverts installed in 2021 shown on the previous slide.

The new box culvert will appropriately accommodate the expected flow of seasonal water and will mitigate flooding on the West side of the airport.



# Phase IX, Timeline Expanded

- Stage IX; Work Area 1 Timeline:

- **Four (4), full-airport nightly closures (2200L-0600L)**
  - *Sheeting to be installed with 100' crane*
  - *Date TBD 30 days prior to first nightly closure*
- **30 consecutive calendar day FULL-CLOSURE of Runway 5-23**

Prior to July 10

July 10 – August 9

- **These closures accommodate:**

- Sheeting installation and removal at outlet headwall
- Install box culvert across Runway 5-23 in the Work Area 1 section and associated outlet headwall installation
- Repave, and paint section of runway excavated for culvert work

- Stage IX; Work Area 2 Timeline:

- **Four (4), full-airport nightly closures (2200L-0600L)**
  - *Sheeting to be installed with 100' crane*
- **22 consecutive calendar day FULL CLOSURE of Taxiway Alpha/Bravo Intersection**
- **1 night closure of Runway 5-23 to groove the paved area completed in Work Area 1**

August 9 – 12

August 14 – September 8

TBD August 14-September 8

- **These closures accommodate:**

- Sheeting installation and removal at inlet headwall
- Install box culvert and inlet headwall installation in Work Area 2
- Repave and paint section of taxiways excavated for culvert work



Remainder of Alpha North; Taxiways  
Foxtrot, Golf, Hotel and  
Runway 23 Run-up Block **CLOSED**

## Phase IX, Work Area 1 Airfield Impacts

Work to be conducted in blue area

### Airfield Pavement **CLOSED**:

- **RWY 5-23**
- Taxiway Alpha, North of RWY 13-31
- Taxiways Foxtrot, Golf & Hotel
- RWY 23 run-up block
- Taxiway Echo
- Taxiway Delta between Taxiway Alpha and RWY5-23

### Airfield Pavement **OPEN**:

- **Runway 13-31**
- Taxiway Alpha, South of RWY 13-31
- Taxiway Bravo
- Taxiways Charlie, Lima & Kilo
- Taxiways Delta & Mike
- Taxiways Romeo & Juliet
- **No instrument approaches available during Phase IX, Work Area 1**



Remainder of Alpha North; Taxiways  
Foxtrot, Golf, Hotel and  
Runway 23 Run-up Block **OPEN**



- All instrument approaches available during Phase IX; Work Area 2

## Phase IX, Work Area 2 Airfield Impacts

*Work to be conducted in orange area*

### Airfield Pavement **CLOSED:**

- Taxiway Alpha between Echo and RWY 13-31
- Taxiway Bravo between RWY 5-23 and Taxiway Charlie

### Airfield Pavement **OPEN:**

- **RWY 5-23**
- **RWY 13-31**
- Taxiway Alpha North of RWY 13-31
- Taxiways Echo, Foxtrot, Golf & Hotel
- RWY 23 run-up block
- Taxiways Charlie, Lima & Kilo
- Taxiways Delta & Mike
- Taxiways Romeo & Juliet
- Taxiway Bravo, West of Taxiway Charlie
- Taxiway Bravo, East of RWY 5-23
- *Depending on airfield operational needs, Runway 13-31 may be NOTAM closed periodically to facilitate aircraft movement*



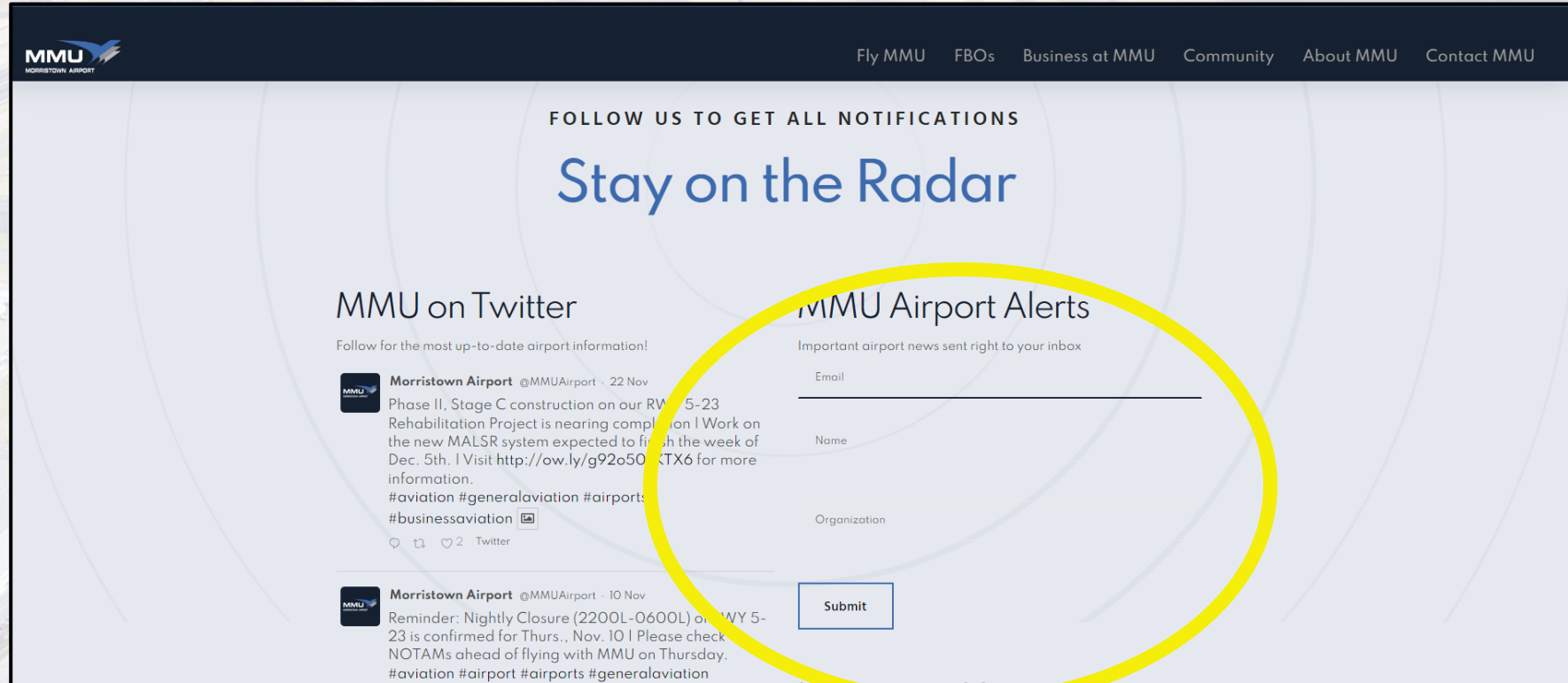
# Runway 5-23 Phase IX Construction Updates

DM AIRPORTS sends progress updates throughout Runway 5-23 construction phases. If you have not already done so, please sign up for our airport alerts (sent via Constant Contact) by visiting:

[www.MMUair.com](http://www.MMUair.com)

On the website home page, scroll down to the “Stay on the Radar” section and enter your email, name and organization to be added to our distribution list

Any issues, please contact:  
**Corey Hanlon**  
[coreyh@mmuair.com](mailto:coreyh@mmuair.com)



The screenshot shows the MMU Airport Alerts sign-up form. A yellow oval highlights the form fields: Email, Name, and Organization. The form is titled "Stay on the Radar" and "MMU Airport Alerts". Below the form, there are two tweets from Morristown Airport (@MMUAirport).

**MMU**  
MORRISTOWN AIRPORT

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## Stay on the Radar

### MMU on Twitter

Follow for the most up-to-date airport information!

**Morristown Airport** @MMUAirport · 22 Nov  
Phase II, Stage C construction on our RWY 5-23 Rehabilitation Project is nearing completion! Work on the new MALS system expected to finish the week of Dec. 5th. Visit <http://ow.ly/g92o50> for more information.  
#aviation #generalaviation #airports #businessaviation

**Morristown Airport** @MMUAirport · 10 Nov  
Reminder: Nightly Closure (2200L-0600L) on RWY 5-23 is confirmed for Thurs., Nov. 10! Please check NOTAMS ahead of flying with MMU on Thursday.  
#aviation #airport #airports #generalaviation

Important airport news sent right to your inbox

Email

Name

Organization



An aerial photograph of an airport, showing runways, taxiways, and various airport buildings. The image is slightly faded to make the text overlay stand out. The text is centered in the middle of the image.

*The following scheduled closures are subject to change due to weather and other impacts. Please check NOTAMS regularly before flying.*



# July 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5 X	6 X	7 X	8 X
9	10	11	12	13	14	15
RUNWAY 5-23 CLOSED						
16	17	18	19	20	21	22
RUNWAY 5-23 CLOSED						
23	24	25	26	27	28	29
RUNWAY 5-23 CLOSED						
30	31					
RUNWAY 5-23 CLOSED						

**Red X**

Full-Airport, Nightly Closure\*  
(2200L-0600L)

**Blue Rectangle:**

Full RWY 5-23 Closure

*\*Dates to be finalized 30 days prior to first  
nightly- closure.*

*Closure dates are subject to change due to  
operational, weather and other impacts*



# August 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
		RUNWAY 5-23 CLOSED				
6	7	8	9 X	10 X	11 X	12 X
		RUNWAY 5-23 CLOSED				
13	14	15	16	17	18	19
		ALPHA/BRAVO INTERSECTION CLOSED				
20	21	22	23	24	25	26
		ALPHA/BRAVO INTERSECTION CLOSED				
27	28	29	30	31		
		ALPHA/BRAVO INTERSECTION CLOSED				

**Red X**

Full Airport, Nightly Closure\*

- 2200L-0600L

**Blue Rectangle:**

Full RWY 5-23 Closure

**Orange Rectangle:**

Taxiway Alpha/Bravo intersection closure

*\*Dates to be finalized during Work Area 1.*

*Closure dates are subject to change due to operational, weather and other impacts*



# September 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
				ALPHA/BRAVO CLOSED		
3	4	5	6	7	8	9
ALPHA/BRAVO INTERSECTION CLOSED						
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

**Orange Rectangle:** Taxiway Alpha/Bravo intersection closure

- There will be one nightly-closure (2200-0600) of Runway 5-23 for painting/grooving in September; date TBD



# Runway 13-31 Keel Work

Keel work on Runway 13/31 to be completed in April/May prior to this work.

To date, DM has completed almost 2,000' of the Runway 13-31 keel. The upcoming keel work is intended to create a stronger surface to accommodate an expected higher rate of use during the Runway 5-23 closure.





# Look Ahead: Phases X through XIV

Phase	Date	Project Work Areas
Phase X	2024 (TBD)	<ul style="list-style-type: none"><li>Runway 5: extended runway safety area work in preparation for new localizer and Engineered Material Arresting System (EMAS)</li></ul>
Phase XI	2025 (TBD)	<ul style="list-style-type: none"><li>Runway 5-23 paving and EMAS block purchase</li></ul>
Phase XII	2026 (TBD)	<ul style="list-style-type: none"><li>Runway 5-23 paving</li><li>Runway 5 EMAS bed paving and block purchase</li></ul>
Phase XIII	2027 (TBD)	<ul style="list-style-type: none"><li>Runway 5 EMAS bed block installation</li><li>Runway 5-23 paving</li></ul>
Phase XIV	2028 (TBD)	<ul style="list-style-type: none"><li>Runway 5-23 paving</li></ul>





# RWY 5-23 Rehabilitation Project *Phase IX*

## **DM AIRPORTS, LTD. Contacts**

Phase IX, Operational and  
Airfield Related questions:

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