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CHANGE ORDER

Grand Rapids-Itasca County Airport (GPZ)

November 13, 2024

OWNER

DATE

AIP No. 3-27-0037-029-2023

2

OWNER'S PROJECT NO.

CHANGE ORDER NO.

2023 North Taxilanes Reconstruction

GRAIT 171290/172841 71.50

PROJECT DESCRIPTION

SEH FILE NO.

The following changes shall be made to the contract documents:

Description:

After the surface course of bituminous pavement was paved in the summer of 2024, during rain events, two large puddles formed at the interfaces of the new and existing pavements at the north end of the project site. It was decided that the best solution was to extend the concrete valley gutter to the north and along the new taxilane extension.

Purpose of Change Order:

The existing pavements adjacent to the new pavements had variable grades and elevations which made tying into them while maintaining adequate drainage difficult. These puddles would not drain themselves and relied on the sun and wind to dry them up. These puddles were up to 1" dep and would create large areas of ice during the winter.

Basis of Cost: Actual Estimated

Attachments (list supporting documents)

1. Change Order Memorandum
2. Change Order Signature Form (This document)
3. Engineer's Estimate of Probable Costs
4. Contractor's Pricing
5. Sponsor's Cost Reasonableness Letter
6. Plan Drawings of Additional Concrete Valley Gutter

Contract Status

Original Contract

Time

Cost

Net Change Prior C.O.'s 0 to 2

28 Days

\$496,216.55

Change this C.O.

0 Days

(\$10,793.00)

Revised Contract

0 Days

\$15,180.00

28 Days

\$500,603.55

Recommended for Approval: Short Elliott Hendrickson Inc. by

Lindsay Reidt
Lindsay Reidt, PE (Lic. MN)

Shane Feltus PM
BY TNT Construction

Mark [Signature]
BY Grand Rapids-Itasca County Airport

Project Manager
TITLE

PUBLIC WORKS DIR
TITLE

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MEMORANDUM

TO: Gaven O’Hair, PE, FAA Program Manager

FROM: Lindsay Reidt, PE (Lic. MN)

DATE: November 13, 2024

RE: Change Order 2 - 2023 North Taxilanes Reconstruction, Grand Rapids-Itasca County Airport (GPZ)
SEH No. GRAIT 171290/172841 14.00

The following information is requested as part of Appendix B of Airport Standard Operating Procedures 7.00 Standard Operating Procedures for Airport Improvement Program Construction Project Change Orders, and according to FAA Order 5100.38.

1. **General Change Order Information:** Change Order No. 2 is for costs related to installing additional concrete valley gutter to improve surface drainage of existing pavements.
2. **Airport Name:** Grand Rapids-Itasca County Airport (GPZ) – Grand Rapids, Minnesota
3. **AIP Grant Number:** 3-27-0037-029-2023
4. **Project Description:** Reconstruction of north hangar area taxilane pavement – 2023 North Taxilanes Reconstruction.
5. **Contract Identifier:** TNT Construction
6. **Change Order Sequence Number:** Change Order No. 2
7. **Description of Construction Change Order:** After the surface course of bituminous pavement was paved in the summer of 2024, during rain events, two large puddles formed at the interfaces of the new and existing pavements at the north end of the project site. It was decided that the best solution was to extend the concrete valley gutter to the north and along the new taxilane extension.
8. **Justification for the Construction Change Order:** The existing pavements adjacent to the new pavements had variable grades and elevations which made tying into them while maintaining adequate drainage difficult. These puddles would not drain themselves and relied on the sun and wind to dry them up. These puddles were up to 1" dep and would create large areas of ice during the winter.
9. **Cost Reasonableness:** The cost proposal provided by TNT Construction is considered reasonable using unit price comparative analysis or bid pricing. The work under this change order will be a lump sum addition.
10. **Consequences of Change Order Attachment:**
 - a. **Contract Time and Schedule:** There are no additional days of contract time allocated for the change.
 - b. **Contract Amount:** The following table summarizes the original contract value, cost breakdown, and the cumulative contract value to-date:

Engineers | Architects | Planners | Scientists

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Table 1 – Consequences of Change Order Attachment (Construction)

Contract Status	Time	Cost
<i>Original Contract</i>	<i>28 Days</i>	<i>\$496,216.55</i>
<i>Net Change Prior to Change Order 2</i>	<i>0 Days</i>	<i>(\$10,793.00)</i>
<i>Changes for Change Order 2</i>	<i>0 Days</i>	<i>\$15,180.00</i>
Revised Construction Contract	28 Days	\$500,603.55

- c. **Additional Effects:** Change Order No. 2 does not affect other costs such as engineering, construction management, or inspection.
- 11. **Conformance to AIP Standards and Regulations:** All changes included in this change order include the following:
 - a. All FAA design and construction standards have been met.
 - b. Procurement standards for this project are unchanged.
 - c. The changes do not affect the contractor’s requirement to abide by the Buy American provisions.
 - d. No DBE requirements are affected.
- 12. **Supporting Documentation:** Additional documentation provided:
 - a. Change Order Memorandum (This document)
 - b. Change Order Signature Form
 - c. Engineer’s Estimate of Probable Costs
 - d. Plan Drawings of Additional Concrete Valley Gutter
- 13. **Sketches/Diagrams/Drawings:** Additional plan and profile drawings for the additional concrete valley gutter. Included as an attachment in this packet.
- 14. **Revised CSPP:** The changes included in this change order do not require a modification to the Airfield CSPP.
- 15. **Other Information as Requested by FAA Specialist:** None have been noted.

Attachments:

- 1. Change Order Memorandum (This document)
- 2. Change Order Signature Form
- 3. Engineer’s Estimate of Probable Costs
- 4. Plan Drawings of Additional Concrete Valley Gutter

GRAND RAPIDS-ITASCA COUNTY AIRPORT (GPZ)
GRAND RAPIDS, MINNESOTA
ENGINEER'S OPINION OF PROBABLE COST
2023 NORTH TAXILANES RECONSTRUCTION
CHANGE ORDER NO. 02 - ADDITIONAL CONCRETE VALLEY GUTTER
SEH NO. GRAIT 171290/172841

Taxilanes Reconstruction

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	ESTIMATED TOTAL
	Mobilization	LS	1	\$1,500.00	\$1,500.00
	Construction Layout and Staking	LS	1	\$1,000.00	\$1,000.00
P-101	Remove Bituminous Pavement (Full Depth)	SY	105	\$6.00	\$630.00
P-101	Sawing Bituminous Pavement (Full Depth)	LF	240	\$4.00	\$960.00
32 16 20	Concrete Valley Gutter	LF	230	\$50.00	\$11,500.00
ESTIMATED TOTAL					\$15,590.00

