



Change Order No. 1
Date October 26, 2021

Airport Name Princeton Municipal Airport
Location Princeton, MN
Contract Description Reconstruct Taxiway A & Partial Connecting Taxiways and Install New Medium Intensity Taxiway Lighting System
Contract Date

AIP Project # 3-27-0081-018-2021
KLJ Project # 2005-00592

Owner
 City of Princeton
 705 Second Street North
 Princeton, MN 55371

Contractor
 Knife River Corporation - North Central
 4787 Shadow Wood Dr NE
 Sauk Rapids, MN 56379

Engineer
 KLJ
 300 23rd Ave E, Suite 100
 West Fargo, ND 58078

General Reason for Change (quantify and explain details in sections 2 and 3)
 CO 1-1 Temporary Runway and Taxiway Marking

	AIP	Non-AIP	Total
Total Contract Amount Prior to this Change Order	\$ 977,729.53	\$ -	\$ 977,729.53
Change Resulting from this Change Order	7,417.80	-	7,417.80
Total Contract Amount After this Change Order	\$ 985,147.33	\$ -	\$ 985,147.33

Calendar Days	
Calendar days prior to this Change Order	75
Change resulting from this Change Order	0
Revised calendar days from this Change Order	75

Change Order approved by:

10/26/2021

Date _____

10/27/2021
 Date _____

Date _____

John Glenn

KLJ

Bryan Lee

Knife River Corporation - North Central

City of Princeton

Summary of Changes

Airport Name Princeton Municipal Airport
 Location Princeton, MN
 AIP Project # 3-27-0081-018-2021
 Contractor Knife River Corporation - North Central

Change Order No. 1
 Section 2

KLJ Project # 2005-00592

Item #	Spec #	Item	Quantities			Unit	Unit Price	Revised Cost	Changed Cost
			Planned	Revised	Change				
Schedule 1 Reconstruct Taxiway A & Partial Connecting Taxiways and Install New MITL									
1	C-105	Mobilization	1.00	1.00	-	L.S.	\$ 96,000.00	\$ 96,000.00	\$ -
2	C-105	Staging/Storage Area	1.00	1.00	-	L.S.	\$ 16,000.00	16,000.00	-
3	Plan Notes	Maintain, Remove and Restore Access Road	1.00	1.00	-	L.S.	\$ 12,000.00	12,000.00	-
4	Local	Airside Traffic Control	1.00	1.00	-	L.S.	\$ 12,000.00	12,000.00	-
5	P-101	Remove and Dispose of Bituminous Pavement	2,927	2,927	-	S.Y.	\$ 5.25	15,366.75	-
6	P-152	Unclassified Excavation	2,516	2,516	-	C.Y.	\$ 12.50	31,450.00	-
7	P-207	In-Place Recycling of Bituminous Pavement and Aggregate Base Course - 9.5"	17,661	17,661	-	S.Y.	\$ 1.30	22,959.30	-
8	Plan Notes	Shaping and Compacting of Recycled Base Material	17,661	17,661	-	S.Y.	\$ 1.40	24,725.40	-
9	Plan Notes	Remove, Salvage, & Process Bituminous Pavement for Recycled Base Material	2,712	2,712	-	S.Y.	\$ 6.00	16,272.00	-
10	Plan Notes	Soil Stabilization Material	5,763	5,763	-	S.Y.	\$ 3.00	17,289.00	-
11	MnDOT 2211	Aggregate Base (CV), Class 5	1,717	1,717	-	C.Y.	\$ 26.50	45,500.50	-
12	Plan Notes	Recycled Base Course	1,846	1,846	-	C.Y.	\$ 14.00	25,844.00	-
13	MnDOT 2360	Plant Mixed Asphalt Pavement, Wearing Course (SPWEA240E)	2,590	2,590	-	Ton	\$ 66.00	170,940.00	-
14	MnDOT 2360	Plant Mixed Asphalt Pavement, Non-Wearing Course (SPNWB230E)	2,590	2,590	-	Ton	\$ 65.00	168,350.00	-
15	P-603	Emulsified Asphalt Tack Coat	2,158	2,158	-	Gal	\$ 0.01	21.58	-
16	P-620	Surface Preparation	1.00	1.00	-	L.S.	\$ 1,500.00	1,500.00	-
17	P-620	Marking	4,584	4,584	-	S.F.	\$ 1.30	5,959.20	-
18	P-620	Reflective Media	1.00	1.00	-	L.S.	\$ 500.00	500.00	-
19	P-620	Temporary Runway and Taxiway Marking	122	-	(122)	S.F.	\$ 7.50	-	(915.00)
20	T-901	Seeding	4.10	4.10	-	Acre	\$ 1,600.00	6,560.00	-
21	T-905	Topsoil (Obtained On-Site)	1,394	1,394	-	C.Y.	\$ 9.00	12,546.00	-
22	T-905	Topsoil (Furnished from Off the Site)	187	187	-	C.Y.	\$ 45.00	8,415.00	-
23	T-908	Mulching	4.10	4.10	-	Acre	\$ 2,200.00	9,020.00	-
24	Plan Notes	Temporary Erosion Control Mat	534	534	-	S.Y.	\$ 2.95	1,575.30	-
25	Plan Notes	Biorolls	540	540	-	L.F.	\$ 6.00	3,240.00	-
26	L-108	No. 8 AWG, 5kv, L-824, Type C Cable, Installed in Trench, Duct Bank, or Conduit	12,300	12,300	-	L.F.	\$ 1.18	14,514.00	-
27	L-108	No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Installed in Trench, Above the Duct Bank, or Conduit, Including Connections/Terminations	8,250	8,250	-	L.F.	\$ 1.05	8,662.50	-
28	L-108	Cable Plowing (Counterpoise Only)	8,250	8,250	-	L.F.	\$ 0.55	4,537.50	-
29	L-110	Sand-Encased Electrical Duct, 1x2x2"	287	287	-	L.F.	\$ 37.00	10,619.00	-
30	L-110	Non-Encased Electrical Conduit, 2"	8,250	8,250	-	L.F.	\$ 3.19	26,317.50	-
31	Plan Notes	Install New L-861(T) Medium Intensity Taxiway Edge Light (Base Mounted)	130	130	-	Ea.	\$ 1,221.00	158,730.00	-
32	Plan Notes	Install New L-861(T) Medium Intensity Taxiway Edge Light (On Existing Base Can)	40	40	-	Ea.	\$ 620.00	24,800.00	-
33	Plan Notes	L-861(T) Medium Intensity Taxiway Edge Light (Spare)	4	4	-	Ea.	\$ 250.00	1,000.00	-
34	Plan Notes	Install Salvaged Retroreflective Taxiway Marker	2	2	-	Ea.	\$ 50.00	100.00	-
35	Plan Notes	Existing Equipment Removal	1.00	1.00	-	L.S.	\$ 3,500.00	3,500.00	-
TOTAL CIVIL CONSTRUCTION								\$ 976,814.53	\$ (915.00)
Change Order 1									
CO 1-1	P-620	Temporary Runway and Taxiway Marking		3,472	3,472	S.F.	2.40	\$ 8,332.80	\$ 8,332.80
TOTAL CHANGE ORDER 1								\$ 8,332.80	\$ 8,332.80
TOTAL AIP CHANGE								\$ 985,147.33	\$ 7,417.80
TOTAL NON-AIP CHANGE									
TOTAL CHANGE								\$ 985,147.33	\$ 7,417.80

NOTE: The items highlighted above in tan are items that are funded 100 percent non-AIP and 0 percent AIP.

Explanation of Changes

Airport Name	Princeton Municipal Airport	Change Order No. 1
Location	Princeton, MN	Section 3
AIP Project #	3-27-0081-018-2021	KLJ Project # 2005-00592
Contractor	Knife River Corporation - North Central	

Item No. CO 1-1

Description
Temporary Runway and Taxiway Marking

Reason for Change

Asphalt surface course paving was completed on October 26, 2021. Specification P-620-3.53 requires a period of 30 days to elapse between placement of the surface course and application of permanent paint markings. This sets the window for applying permanent markings into the end of November or even early December. Weather history for this timeframe provides maximum temperatures in the 30s-40s (°F) which is below the manufacturer's recommendation. Temporary taxiway CL markings and hold lines are recommended to be installed for operational safety on the airport during the upcoming winter. Permanent markings will be installed in Spring 2022 once temperatures/conditions allow.

A cost analysis was performed for the proposed change in accordance with FAA Order 5100-38-D (Change 1). The Engineer's estimate for the temporary pavement markings is \$5,208.00 - \$8,680.00. The Contractor's proposal for temporary pavement markings is \$2.40 per S.F for 3,472 S.F or \$8,332.80. The Contractor noted "pricing has significantly increased on paint supplies and product availability has been difficult". The proposed cost appears to be allowable, allocable and reasonable.

From: [Pearson, Bryan](#)
To: [John Glesne](#)
Subject: Re: Temp markings CO
Date: Tuesday, October 26, 2021 10:53:29 AM

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

John, I did confirm that pricing has significantly increased on paint supplies unfortunately and even product availability has been difficult this year. Additionally this CO will be used in place of the existing temp paint bid item at \$7.50/sf. Let me know if this is approved and we'll get it scheduled.

Thanks
Bryan

Sent from my iPad

On Oct 26, 2021, at 09:43, Pearson, Bryan <Bryan.Pearson@kniferiver.com> wrote:

Okay talked with Mark Hayes at Safety Signs. We are coming up with 488 SF of hold short lines (yellow only, no black) and 2984 SF of centerline for a total of 3472 SF and \$2.40/SF. Bid items would remain for final markings. Let me know if this is acceptable.

Thanks,
Bryan

Bryan Pearson, P.E. (MN)
Estimating Manager
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