

Denali Area Airport Planning Study CIP Estimates

April 2026

The following are Capital Improvement Plan (CIP) estimates for the Clear, Healy River, Kantishna, Minchumina, and Summit Airports in the Denali Area Airport Planning Study Area. No estimates were made for airports with private ownership (Cantwell, Denali) emergency remote landing areas (Eva Creek, Gold King Creek, Purkeypile, Stampede, Totatlanika River) and the McKinley National Park airport owned by the National Park Service.

The estimates do not include weather camera and weather reporting system cost estimates, as they are typically funded and installed by the FAA. The cost of this weather equipment varies greatly based on location, site conditions, and proximity to power. Installed weather cameras can cost in the \$25,000 to \$150,000 range. Weather reporting systems can cost from \$600,000 to as much as \$2,000,000. The following table is a status report on existing and proposed weather cameras and weather reporting systems.

Existing and Planned Denali Area Weather Cameras and Weather Reporting Systems

Airport	FAA ID	Weather Reporting	Weather Camera	Planned Weather System (year)
Clear	Z84	None	None	None
Healy River	HRR	VWOS	WX Camera	None
Kantishna	5Z5	None	None	AWOS (2026)
McKinley National Park	INR	AWOS	WX Camera	None
Minchumina	MHM	AWOS	WX Camera	None
Summit	UMM	None	WX Camera	VWOS (2026/2027)

CIP Estimate Summary

The CIP scopes were obtained from the Denali Area Airport Planning Study and the Needs List. The DOT&PF Pavement Management Report and Airport Layout Plans were used to determine the extent of pavement and/or gravel resurfacing work required. Planning level costs include construction, design, construction engineering, environmental, ICAP, and a contingency. Detailed cost estimates for each airport are also attached.

Airport	CIP Scope	Cost
Clear	Pavement reconstruction, replace airport lighting system and lighted windcone, PAPIs	\$22,800,000
Healy River	Land acquisition, pavement reconstruction, brushing/clearing, replace airport lighting system and lighted windcone, ALP update (mini-master plan). The cost of a runway extension was not included because of the presence of a bluff at each runway end. This would need to be investigated further as part of the ALP update.	\$19,100,000
Kantishna	Gravel resurfacing, lighted wind cone, reflective markers, ALP update.	\$9,700,000
Minchumina	Gravel resurfacing, replace airport lighting system and lighted windcone, brushing/clearing	\$21,800,000
Summit	Brushing/clearing, replace reflective markers and install tie downs	\$233,000



Clear Airport (Z84) CIP Estimate

State of Alaska - Department of Transportation and Public Facilities - Northern Region
Denali Airport Planning Study

Project Name: Clear Airport Improvements
Project No.: NFAPT00767

Prepared by: KP Date: 4/7/2026
Checked by: WH Date: 4/9/2026

Item No.	Description	Units	Quantity	Unit Price	Amount
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$ 1,120,000	\$ 1,120,000
G135.010.0000	Construction Surveying By the Contractor	LS	ALL REQUIRED	\$ 100,000	\$ 100,000
G210.010.0000	Contractor Safety Plan Compliance Document	LS	ALL REQUIRED	\$ 115,000	\$ 115,000
L100.000.0000	Airport Lighting	LS	ALL REQUIRED	\$ 2,000,000	\$ 2,000,000
L132.010.0100	Install Approach Lighting Aids, PAPI	LS	1	\$ 500,000	\$ 500,000
L107.010.0008	8-foot Lighted Wind Cone, In Place	EA	1	\$ 30,000	\$ 30,000
P152.010.0000	Unclassified Excavation	CY	41,800	\$ 25	\$ 1,045,000
P154.020.0000	Subbase Course	TON	63,000	\$ 35	\$ 2,205,000
P160.050.0000	Excavation of Pavement, AC	SY	62,000	\$ 10	\$ 620,000
P209.020.0000	Crushed Aggregate Base Course	TON	20,700	\$ 35	\$ 724,500
P401.010.0030	Hot Mix Asphalt Type II, Class A	TON	10,400	\$ 250	\$ 2,600,000
P401.020.5240	Asphalt Binder, PG 52-40	TON	560	\$ 2,000	\$ 1,120,000
P401.080.0000	Hot Mix Asphalt Price Adjustment	CS	ALL REQUIRED	\$ 190,000	\$ 190,000
P620.020.0000	Runway and Taxiway Painting	LS	ALL REQUIRED	\$ 150,000	\$ 150,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$ 75,000	\$ 75,000
P648.010.0000	Archaeological Monitoring	LS	ALL REQUIRED	\$ 200,000	\$ 200,000
P681.010.0000	Geotextile, Separation	SY	62,000	\$ 5	\$ 310,000
Basic Bid Subtotal:					\$ 13,104,500
CONSTRUCTION ENGINEERING				20%	\$ 2,621,000
Subtotal Including Construction Engineering					\$ 15,725,500
ICAP (PROPOSED FY2027 RATE)				7.24%	\$ 1,139,000
CONTINGENCY (% OF SUBTOTAL WITH ICAP)				20%	\$ 3,373,000
DESIGN ENGINEERING				15%	\$ 2,359,000
ENVIRONMENTAL SERVICES				1.27%	\$ 200,000
Total:					\$ 22,796,500

Assumptions:

- Mobilization and Demobilization includes most general construction items such as field office, transportation, per diem, etc.
- Contractor Safety Plan Compliance Document includes the cost of actual CSPP items such as light X's and barriers.
- Airport Lighting includes all lighting demolition, new runway and taxiway lights, trenching/cable/conduit, regulators, and EEB. NPI configuration.
- Hot Mix Asphalt Type II, Class A includes Tack Coat costs.
- Hot Mix Asphalt Price Adjustment calculated as 5% of the total cost of Hot Mix Asphalt Type II, Class A and Asphalt Binder, PG-52-40.
- Temporary Erosion, Sediment, and Pollution Control includes administration costs and additives.
- Environmental effort assumes a documented Categorical Exclusion under FAA Order 1050.1G, Appendix B-2.3 *Categorical Exclusions for Equipment and Instrumentation*, subsection (g) for replacement of power and control cables for existing facilities and equipment and Appendix B-2.4 *Categorical Exclusions for Facility Siting, Construction, and Maintenance*, subsection (e), as work consists of reconstruction of existing surfaces. However, there may be Extraordinary Circumstances per FAA Order 1050.1G paragraph B-1 that exist and require additional mitigation which is reflected in the price of this line item.
- Reconstructed pavement consists of: 3" HMA, 6" Base Course, 18.3" Subbase Course (27.3" total section depth).



Healy River Airport (HRR) CIP Estimate
 State of Alaska - Department of Transportation and Public Facilities - Northern Region
 Denali Airport Planning Study

Project Name: Healy River Airport Improvements
 Project No.: NFAPT00767

Prepared by: KP Date: 4/7/2026
 Checked by: WH Date: 4/9/2026

Item No.	Description	Units	Quantity	Unit Price	Amount
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$ 740,000	\$ 740,000
G135.010.0000	Construction Surveying By the Contractor	LS	ALL REQUIRED	\$ 100,000	\$ 100,000
G210.010.0000	Contractor Safety Plan Compliance Document	LS	ALL REQUIRED	\$ 75,000	\$ 75,000
L100.000.0000	Airport Lighting	LS	ALL REQUIRED	\$ 2,000,000	\$ 2,000,000
L107.010.0008	8-foot Lighted Wind Cone, In Place	EA	1	\$ 30,000	\$ 30,000
P151.010.0000	Clearing	AC	64	\$ 4,000	\$ 256,000
P152.010.0000	Unclassified Excavation	CY	36,800	\$ 25	\$ 920,000
P154.020.0000	Subbase Course	TON	56,000	\$ 30	\$ 1,680,000
P160.050.0000	Excavation of Pavement, AC	SY	55,000	\$ 10	\$ 550,000
P209.020.0000	Crushed Aggregate Base Course	TON	18,200	\$ 35	\$ 637,000
P401.010.0030	Hot Mix Asphalt Type II, Class A	TON	9,100	\$ 250	\$ 2,275,000
P401.020.5240	Asphalt Binder, PG 52-40	TON	484	\$ 1,500	\$ 726,000
P401.080.0000	Hot Mix Asphalt Price Adjustment	CS	ALL REQUIRED	\$ 160,000	\$ 160,000
P620.020.0000	Runway and Taxiway Painting	LS	ALL REQUIRED	\$ 120,000	\$ 120,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$ 60,000	\$ 60,000
P648.010.0000	Archaeological Monitoring	LS	ALL REQUIRED	\$ 200,000	\$ 200,000
P681.010.0000	Geotextile, Separation	SY	55,000	\$ 5	\$ 275,000
Basic Bid Subtotal:					\$ 10,804,000
CONSTRUCTION ENGINEERING				20%	\$ 2,161,000
Subtotal Including Construction Engineering					\$ 12,965,000
ICAP (PROPOSED FY2027 RATE)				7.28%	\$ 944,000
CONTINGENCY (% OF SUBTOTAL WITH ICAP)				20%	\$ 2,782,000
DESIGN				15%	\$ 1,945,000
ENVIRONMENTAL SERVICES				1.54%	\$ 200,000
ALP UPDATE					\$ 250,000
LAND ACQUISITION (15 ACRES)					\$ 55,000
Total:					\$ 19,141,000

Assumptions:

- Mobilization and Demobilization includes most general construction items such as field office, transportation, per diem, etc.
- Contractor Safety Plan Compliance Document includes the cost of actual CSPP items such as light X's and barriers.
- Airport Lighting includes all lighting demolition, new runway and taxiway lights, trenching/cable/conduit, regulators, and EEB. Visual configuration.
- Hot Mix Asphalt Type II, Class A includes Tack Coat costs.
- Hot Mix Asphalt Price Adjustment calculated as 5% of the total cost of Hot Mix Asphalt Type II, Class A and Asphalt Binder, PG-52-40.
- Temporary Erosion, Sediment, and Pollution Control includes administration costs and additives.
- Environmental effort assumes a documented Categorical Exclusion under FAA Order 1050.1G, Appendix B-2.3 *Categorical Exclusions for Equipment and Instrumentation*, subsection (g) for replacement of power and control cables for existing facilities and equipment and Appendix B-2.4 *Categorical Exclusions for Facility Siting, Construction, and Maintenance*, subsection (e), as work consists of reconstruction of existing surfaces, and (z) tree clearing, however, there may be Extraordinary Circumstances per FAA Order 1050.1G paragraph B-1 that exist and require additional mitigation.
- Land Acquisition cost assumes \$3,000/AC with an added \$10k for administrative costs.
- Reconstructed pavement consists of: 3" HMA, 6" Base Course, 18.3" Subbase Course (27.3" total section depth).



Kantishna Airport (5Z5) CIP Estimate

State of Alaska - Department of Transportation and Public Facilities - Northern Region
Denali Airport Planning Study

Project Name: Kantishna Airport Improvements
Project No.: NFAPT00767

Prepared by: KP Date: 4/8/2026
Checked by: WH Date: 4/9/2026

Item No.	Description	Units	Quantity	Unit Price	Amount
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$ 830,000	\$ 830,000
G135.010.0000	Construction Surveying By the Contractor	LS	ALL REQUIRED	\$ 100,000	\$ 100,000
G210.010.0000	Contractor Safety Plan Compliance Document	LS	ALL REQUIRED	\$ 45,000	\$ 45,000
L107.030.0008	8-foot Unlighted Wind Cone, In Place	EA	1	\$ 30,000	\$ 30,000
P151.010.0000	Clearing	AC	19	\$ 5,000	\$ 95,000
P167.020.0000	Dust Palliative	SY	85,000	\$ 30	\$ 2,550,000
P299.020.0000	Crushed Aggregate Surface Course	TON	14,200	\$ 100	\$ 1,420,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$ 60,000	\$ 60,000
P660.030.0000	Reflective Marker, Type II	EA	32	\$ 500	\$ 16,000
Basic Bid Subtotal:					\$ 5,146,000
CONSTRUCTION ENGINEERING				20%	\$ 1,029,000
Subtotal Including Construction Engineering					\$ 6,175,000
ICAP (PROPOSED FY2027 RATE)				7.24%	\$ 447,000
CONTINGENCY (% OF SUBTOTAL WITH ICAP)				30%	\$ 1,987,000
DESIGN				15%	\$ 926,000
ENVIRONMENTAL SERVICES				1.62%	\$ 100,000
ALP UPDATE					\$ 30,000
Total:					\$ 9,665,000

Assumptions:

- Mobilization and Demobilization includes most general construction items such as field office, transportation, per diem, etc. Assumes contractor can use Park Road to mobilize all equipment. Mobilization cost increased to 20% based on difficult access.
- Contractor Safety Plan Compliance Document Includes the cost of actual CSPP items such as light X's and barriers.
- Clearing cost assumes primary surface and parts of the approach surfaces need to be cleared; area is approximate.
- Temporary Erosion, Sediment, and Pollution Control includes administration costs and additives.
- Environmental effort assumes a documented Categorical Exclusion under FAA Order 1050.1G, Appendix B-2.3 *Categorical Exclusions for Equipment and Instrumentation*, subsection (g) for replacement of power and control cables for existing facilities and equipment and Appendix B-2.4 *Categorical Exclusions for Facility Siting, Construction, and Maintenance*, subsection (e), as work consists of resurfacing, and (z) tree clearing, however, there may be Extraordinary Circumstances per FAA Order 1050.1G paragraph B-1 that exist and require additional mitigation which is reflected in the total cost of this line item.
- ALP Update is priced only enough for a "Needs list" to be developed.
- New Crushed Aggregate Surface Course is 9" depth.
- Dust Palliative applied to full RSA and apron surfaces.
- Contingency increased to 30% to account for unknowns related to logistics of work at end of Park Road.



Minchumina Airport (MHM) CIP Estimate

State of Alaska - Department of Transportation and Public Facilities - Northern Region
Denali Airport Planning Study

Project Name: Minchumina Airport Rehabilitation
Project No.: NFAPT00767

Prepared by: KP Date: 4/8/2026
Checked by: WH Date: 4/9/2026

Item No.	Description	Units	Quantity	Unit Price	Amount
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$ 1,100,000	\$ 1,100,000
G135.010.0000	Construction Surveying By the Contractor	LS	ALL REQUIRED	\$ 100,000	\$ 100,000
G210.010.0000	Contractor Safety Plan Compliance Document	LS	ALL REQUIRED	\$ 115,000	\$ 115,000
L100.000.0000	Airport Lighting	LS	ALL REQUIRED	\$ 4,000,000	\$ 4,000,000
L107.010.0008	8-foot Lighted Wind Cone, In Place	EA	1	\$ 30,000	\$ 30,000
L107.011.0008	8-foot Lighted Wind Cone, Supplemental	EA	1	\$ 25,000	\$ 25,000
P151.010.0000	Clearing	AC	28	\$ 5,000	\$ 140,000
P152.010.0000	Unclassified Excavation	CY	7,200	\$ 25	\$ 180,000
P167.020.0000	Dust Palliative	SY	113,000	\$ 10	\$ 1,130,000
P299.020.0000	Crushed Aggregate Surface Course	TON	43,000	\$ 130	\$ 5,590,000
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$ 100,000	\$ 100,000
P660.030.0000	Reflective Marker, Type II	EA	20	\$ 500	\$ 10,000
Basic Bid Subtotal:					\$ 12,520,000
CONSTRUCTION ENGINEERING				20%	\$ 2,504,000
Subtotal Including Construction Engineering					\$ 15,024,000
ICAP (PROPOSED FY2027 RATE)				7.24%	\$ 1,088,000
CONTINGENCY (% OF SUBTOTAL WITH ICAP)				20%	\$ 3,222,000
DESIGN				15%	\$ 2,254,000
ENVIRONMENTAL SERVICES				1.67%	\$ 250,000
Total:					\$ 21,838,000

Assumptions:

- All materials must be mined locally or flown into the airport as there is no barge access.
- Mobilization and Demobilization includes most general construction items such as field office, transportation, per diem, etc.
- Airport lighting cost is \$4,000,000 as it assumes all new cable and conduit are required. In addition to the runway receiving new lighting, the aligned taxiway which is over 3,000 feet long and the taxiway that connects to the apron is also to receive new edge lights.
- Contractor Safety Plan Compliance Document includes the cost of actual CSPP items such as light X's and barriers.
- Clearing cost assumes primary surface and parts of the approach surfaces need to be cleared; area is approximate.
- Clearing cost assumes primary surface and parts of the approach surfaces need to be cleared; area is approximate.
- Dust Palliative applied to full RSA, taxiways, and apron surfaces
- New Crushed Aggregate Surface Course is 9" depth.
- Temporary Erosion, Sediment, and Pollution Control includes administration costs and additives.
- Environmental effort assumes a documented Categorical Exclusion under FAA Order 1050.1G, Appendix B-2.3 *Categorical Exclusions for Equipment and Instrumentation*, subsection (g) for replacement of power and control cables for existing facilities and equipment and Appendix B-2.4 *Categorical Exclusions for Facility Siting, Construction, and Maintenance*, subsection (e), as work consists of resurfacing, and (z) tree clearing, however, there may be Extraordinary Circumstances per FAA Order 1050.1G paragraph B-1 that exist and require additional mitigation which is reflected in the total cost of this line item.



Summit Airport (UMM) CIP Estimate
 State of Alaska - Department of Transportation and Public Facilities - Northern Region
 Denali Airport Planning Study

Project Name: Summit Airport Improvements
 Project No.: NFAPT00767

Prepared by: KP Date: 4/8/2026
 Checked by: WH Date: 4/9/2026

Item No.	Description	Units	Quantity	Unit Price	Amount
G100.010.0000	Mobilization and Demobilization	LS	ALL REQUIRED	\$ 20,000	\$ 20,000
G135.010.0000	Construction Surveying By the Contractor	LS	ALL REQUIRED	\$ 10,000	\$ 10,000
G210.010.0000	Contractor Safety Plan Compliance Document	LS	ALL REQUIRED	\$ 5,000	\$ 5,000
P151.010.0000	Clearing	AC	10	\$ 5,000	\$ 49,013
P641.030.0000	Temporary Erosion, Sediment, and Pollution Control	LS	ALL REQUIRED	\$ 4,000	\$ 4,000
P650.020.0000	Soil Anchor Tie-down	SET	4	\$ 3,000	\$ 12,000
P660.030.0000	Reflective Marker, Type II	EA	55	\$ 400	\$ 22,000
Basic Bid Subtotal:					\$ 122,013
CONSTRUCTION ENGINEERING				20%	\$ 24,000
Subtotal Including Construction Engineering					\$ 146,013
ICAP (PROPOSED FY2027 RATE)				7.24%	\$ 11,000
CONTINGENCY (% OF SUBTOTAL WITH ICAP)				20%	\$ 31,000
DESIGN				31%	\$ 45,000
ENVIRONMENTAL SERVICES				17%	\$ 25,000
Total:					\$ 233,013

Assumptions:

- Mobilization and Demobilization includes most general construction items such as field office, transportation, per diem, etc.
- Contractor Safety Plan Compliance Document Includes the cost of actual CSPP items such as light X's and barriers.
- Clearing cost assumes primary surface needs to be cleared; area is approximate.
- Temporary Erosion, Sediment, and Pollution Control includes administration costs and additives.
- Runway edge markers and threshold markers are being replaced.
- Environmental effort assumes a documented Categorical Exclusion under FAA Order 1050.1G, Appendix B-2.3 *Categorical Exclusions for Equipment and Instrumentation*, subsection (b) for replacement of power and control cables for existing facilities and equipment (for unlit runway edge markers) and Appendix B-2.4 *Categorical Exclusions for Facility Siting, Construction, and Maintenance*, subsection (z) tree clearing, however, there may be Extraordinary Circumstances per FAA Order 1050.1G paragraph B-1 that exist and require additional mitigation.