

DOTP&F Highways, Bridges, Runways, Airports, and Harbors Deferred Maintenance

FY2020 Request: \$5,000,000
Reference No: 62620

AP/AL: Appropriation **Project Type:** Deferred Maintenance
Category: Transportation
Location: Statewide **House District:** Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40) **Contact:** Sunny Haight
Estimated Project Dates: 07/01/2019 - 06/30/2024 **Contact Phone:** (907)465-3911

Brief Summary and Statement of Need:

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Funding:	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
1197 AK Cap Inc	\$5,000,000						\$5,000,000
Total:	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Prior Funding History / Additional Information:

Project Description/Justification:

Projects to be completed will be chosen from this Deferred Maintenance Listing in Priority Order.

Priorities and cost estimates shown below may need to be changed to accommodate emergency maintenance projects not listed, actual project costs, and other considerations.

Dept. Priority	Project Title	Project Description	Est Prj. Cost	Location (City)	House District
1	Western District Pavement Spot Repairs	Spot repair on areas of damaged pavement. Hope to repair various paved roads with crack sealing, double chip applications, and HAP if/when available.	\$50.0	Nome	39-T
2	Area-Wide Asphalt Repair	Spot repairs to various paved roads	\$250.0	SE	Various
3	NR Bridge Maintenance	Cleaning, Joint repair and replacement, guardrail repair and replacement, and Deck repairs.	\$250.0		1-A, 2-A, 3-B, 4-B, 5-C, 6-C, 9-E, 10-E, 32-P, 37-S, 39-T, 40-T
4	Region-wide Culvert	Repair, replace, or line failing culverts	\$1,000.0	Region-wide	

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	Repair	throughout the Region			
5	Shageluk Airport Access Road Erosion Repair	Innoko River is encroaching on the Airport Access Road at Shageluk. Repair portions of the existing embankment and install erosion protection measures.	\$500.0		37-S
6	Sleetmute Airport Runway Repair	Purchase, haul, and place 3,000 yards of E-1. Shape, compact and apply dust palliative.	\$300.0	Sleetmute	
7	Takotna Runway Repair	Repair damage to R/W from differential settlement.	\$600.0	Takotna	
8	Region-Wide Guardrail Repair	Re-stock and replace damaged guardrail throughout the region.	\$300.0		1-A, 2-A, 3-B, 4-B, 5-C, 6-C, 9-E, 10-E, 32-P, 37-S, 39-T, 40-T
9	Region-Wide Guardrail Repair	Repair/replace damaged guardrail and end terminals throughout the region.	\$500.0		
10	Interior Airport Lighting Repairs	Repair aging airfield lighting at four Airports – Kaltag, Bettles, Koyukuk and Huslia	\$85.0		39-T, 40-T
11	Fairbanks District Traffic Signal Upgrades, Lighting/ Signal Load Center Upgrades/ Lighting Maintenance	Upgrade Traffic Signals and Traffic Signal/ Lighting Load Centers in Fairbanks District. Upgrade street lighting in Fairbanks to LED technology to increase efficiency and reduce maintenance costs.	\$125.0	Fairbanks	1-A, 2-A, 3-B, 4-B, 5-C, 6-C
12	Interior Airport Brush Cutting	This project will consist of performing clearing work at Bettles, Koyukuk, and Huslia. These funds will be combined with other AIP Obstruction Removal Funding.	\$350.0		39-T, 40-T
13	Region-wide Brush cutting	Brush cutting and vegetative management (including IVMP) within the Fairbanks District boundaries. Reduced manpower and equipment require additional funding to meet target LOS.	\$450.0	Fairbanks	1-A, 2-A, 3-B, 4-B, 5-C, 6-C, 9-E, 10-E, 32-P, 37-S, 39-T, 40-T
14	Ketchikan Airport Brush cutting	Cut brush on the entire airport	\$120.0	Ketchikan	1-A
15	Kake Road Brush Cutting	Area wide vegetation management	\$30.0	Kake	5-C
16	Harbor Maintenance	Repair state owned harbors as needed	\$100.0	SR	
17	Elliott Hwy Resurface	Many sections settled from freeze thaw. A lot of industrial and commercial traffic use this road for Oil Field Support. Reclaim and	\$400.0	Livengood	6-C

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		repave various sections from MP 28-72.			
18	Taylor Hwy 42 - 64	Repair 12 lane miles of road from MP42-64 on the Taylor Hwy. The current PM funding is inadequate to keep up with the deterioration of this section of highway.	\$500.0	Tok	6-C
19	Old Rich 0-1 Resurface	Reclaim and pave Old Richardson Highway from Cushman St. to Richardson Hwy. Asphalt is well past its life cycle and in serious need of repair.	\$950.0	Fairbanks	3-B
20	Eagle River Loop Asphalt Repair	Mill & Pave 1.885 centerline miles of Eagle River Loop	\$1,452.0	Eagle River	14
21	Old Edgerton Drainage Repairs	Drainage repairs. Clean ditches replace 6 damaged pipes. 0-11.8	\$350.0	Chitina	6-C
22	Western District Calcium Chloride	Place calcium chloride on the Kougarok, Nome-Teller, Nome-Council, St. Mary's & Pitkas Point roads and other most appropriate gravel roads throughout the District to reduce dust and reduce the loss of fines on the road surface.	\$200.0	Nome	39-T
23	Nelson Lagoon Airport Grading	Grade and compact the runway	\$45.0	Nelson Lagoon	38-S
24	Sand Point Airport Fence Repair	Install improved fencing and gate control access	\$300.0	Sand Point	37-S
25	Larson Bay Airport	Lighting system repairs, Windssock Pole Replacement	\$30.0	Larson Bay	36-S
26	Remove Ketchikan float plane dock ramp	Remove damaged float plane access dock	\$100.0	Ketchikan	1-A
27	Fairbanks Area Sign Replacement	Replace local road signs in the District to maintain standard compliance.	\$100.0	Fairbanks	1-A, 2-A, 3-B, 4-B, 5-C, 6-C
28	Haines Highways Brush Cutting	Area wide vegetation management	\$90.0	Haines	5-C
29	Southwest District Vegetation Control	Cut and remove vegetation on Airport Property.	\$350.0	Southwest District	37, 38
30	Peninsula Airport Vegetation Control	Cut and remove vegetation on Airport Property.	\$200.0	Peninsula District	29, 31
31	Anchorage District Brush Cutting	Perform vegetation control on roads throughout the Anchorage District to improve sight distance at curves and intersections, reduce shading, improve drainage, provide clear zones, and control snow drifting. Work will be performed in compliance with the Department's Integrated Vegetation Management Plan.	\$300.0	Anchorage, Girdwood and Silvertip	27, 28
32	Mat-Su District Vegetation Control	Contract vegetation control along Mat-Su highways to augment existing crew	\$300.0	MatSu District	7, 8, 9, 11

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		capabilities.			
33	Peninsula District Brush Cutting	Cut brush in right-of way on roads throughout the Peninsula District.	\$300.0	Peninsula District	29, 31
34	Mat-Su District Vegetation Control	Cut and remove vegetation on Airport Property.	\$175.0	MatSu District	9
35	Area-wide Crack Seal	Crack seal roads throughout the District	\$80.0	SE	
36	Kake Airport Brush Cutting	Cut brush in and around the RSA	\$60.0	Kake	5-C
37	Interior Airport Brush Cutting Equipment	After review of existing clearing equipment, we are proposing to purchase another piece of clearing equipment. At this time, we are reviewing loader mounted clearing attachments, which can be used by existing loaders at the airport. This attachment should meet our needs and be more cost effective to ship and the initial purchase price is less than a new piece of specialized clearing equipment.	\$100.0		6-C, 39-T, 40-T
38	Copper River Hwy Highway Vegetation Management	Cut brush back from road surface and re-establish sight distance MP 0-36	\$50.0	Cordova	
39	Anchorage District Vegetation Control	Cut and remove vegetation on Airport Property.	\$125.0	Anchorage	
40	Old Harbor Airport Resurfacing	Replace deteriorated surface course	\$200.0	Old Harbor	36-S
41	Tok District Culvert Maintenance	Clean out debris and repair minor damage to as many as 200 culverts throughout the Tok District. (primary use of the DM funding would be to rent and transport a backhoe capable of performing this work efficiently)	\$200.0		6-C, 9-E
42	Church Road Asphalt Repair	Mill and pave Church Road MP 0 to 4.118	\$600.0	Wasilla	9
43	Port Lions Airport Brush Cutting	Brush cutting	\$20.0	Kodiak	36-R
44	Taylor Highway Gravel Resurfacing 64 - 148	Place D-1 surface aggregate on the Taylor Highway in various places between MP 67-160 to improve road surface and fix problem areas. The scope of this project would resurface 75 lane miles of road.	\$500.0	Eagle	6-C
45	Region-wide Gravel Stockpiles	Provide Surface Course E-1 at Rural Airports for repairs.	\$1,000.0	Central Region	
46	S Naknek lighting repairs	Repair lighting system	\$250.0	King Salmon	37-S

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47	Road to Tanana Bridge	Install bridge at Sullivan creek on the Road to Tanana.	\$450.0	Manley	
48	Anchor Point Rd. (aka Beach Rd.) - Mile 0.0 to 1.2 Repair	Grind and pave Mile 0.0 to 1.2, both lanes; minor sub-grade work. Center Line Miles 1.2 - Width 24'	\$1,080.0	Homer	31
49	King Salmon airport Crack Seal	Crack seal west, south, east parking apron	\$100.0	King Salmon	37-S
50	Circle Hot Springs Road Culvert Replacement	Replace approximately 20 - 24" culverts along this section due to road settlement and damage.	\$125.0	Central	1-A, 2-A, 3-B, 4-B, 5-C, 6-C
51	Back Loop Rd Ditch Repair	Ditching Back Loop Rd MP 0-3.9	\$50.0	Juneau	3-B
52	Repp Rd Resurface	Reclaim and Pave Repp Rd. Aged surface is past its useful life. Maintenance costs are rising with each passing year.	\$850.0	North Pole	3-B
53	SW District Fence and Gate Repair	Repair, replace damaged areas of fence; add fencing to increase security and to prevent wildlife incursions; remove, replace or add gates.	\$300.0	Southwest District	37, 38
54	Thorne Bay Road Ditch Repair	Finish ditching MP 0-13	\$60.0	Klawock	5-C
55	Gulkana Airport Access Road and Parking Area Resurfacing	Mill & pave Gulkana Airport access roads and parking areas.	\$270.0		6-C
56	N. Eagle River Access Road Repair	Mill & pave .619 miles.	\$190.0	Eagle River	14
57	Klondike Hwy Guardrail repairs	Replace guardrail from mile 8 to the boarder	\$3,000.0	Skagway	5-C
58	Tok Dust Palliative	Place a dust palliative on the Taylor Hwy and local roads throughout the Tok District to reduce dust and reduce the loss of fines on the road surface.	\$300.0	Southfork, O'brien Creek, Eagle	6-C
59	Crooked Creek Airport Runway Repair	Repair and grade runway and windsock area.	\$100.0	Crooked Creek	38
60	Nome Highways Culvert Repairs	Replace bad Culverts along Nome highways as needed. 8-Teller Hwy culverts & 10-extension on Kougarok Hwy	\$71.0	Nome	39-T
61	Tazlina Airport Dust Palliative	Apply dust palliative to Tazlina airport.	\$60.0		6-C
62	Wolverine Road Asphalt Repair	Mill and pave Wolverine Road, MP 0 to 2.5	\$678.0	Palmer	11
63	Area-Wide Asphalt Repair	Spot repairs to various paved roads	\$750.0	SE	Various

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64	Denali Hwy Gravel Resurfacing	Resurface gravel road with 6" C-1 modified. Place dust palliative. MP 28-42	\$3,340.0	Paxson	6-C, 9-E
65	Homer Airport Shoulder Repair	Place asphalt to protect runway and taxiway shoulders.	\$100.0	Peninsula District	31
66	North Fork Road Repair	Mile 3.3 to 8.4: Both lanes, grind and pave. Center Line Miles 5.1 - Width 24'	\$2,040.0	Homer	31
67	Angoon - Kootznahoo Highway Brush Cutting	Area wide vegetation management	\$20.0	Angoon	5-C
68	Dalton Hwy Undulation repair	Many areas throughout this section have settled slowing traffic and creating hazardous conditions. MP 37-49	\$150.0	7-mile	6-C
69	Region-Wide Airport Fence & Gate Repair	Repair, replace damaged areas of fence; add fencing to increase security and to prevent wildlife incursions; remove, replace or add gates.	\$300.0	Central Region	
70	Klawock Area Wide Brushing	Area wide brush cutting along Hwys.	\$80.0	Klawock	5-C
71	Old Steese Hwy Culvert Replacement	Replace culverts as needed on the Old Steese Hwy. The road has settled so much that existing culverts are no longer useful. Needed to re-establish drainage.	\$200.0	Fairbanks	4-B
72	Clark Road Asphalt Repair	Mill and pave Clark Road	\$67.0	Palmer	11
73	Juneau Area-wide Vegetation Management	Area wide vegetation management	\$70.0	Juneau	3-B
74	Mission Road Resurface	Reclaim and Pave Mission Road. Road is well part its useful life and is in need of serious repairs.	\$650.0	North Pole	3-B
75	Peninsula Airport Tie Down Improvement	Install tie down points at general aviation ramps to improve security of parked aircraft.	\$30.0	Peninsula District	29, 30
76	Hyder Salmon River Road Brush Cutting	Salmon River Road brush cutting MP 0-12.0	\$50.0	Hyder	5-C
77	Strawberry Road Repair	Grind and Pave. Culvert replacement at MP .2. Center Line Miles 1.3 - Width 26'	\$500.0	Soldotna	31
78	North Tongass Highway Brush Cutting	Cut vegetation MP 0-14	\$20.0	Ketchikan	1-A
79	Rural Airports - Surface Repairs	Shoulder repair, longitudinal cracking in runway, safety areas and ramps at 10 Western airports	\$450.0		37-S, 39-T, 40-T
80	South Tongass Highway Brush Cutting	Cut vegetation MP 2.6-15.5	\$20.0	Ketchikan	1-A

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81	Skagway Area Wide Brush Cutting	Area wide brush cutting	\$20.0	Skagway	5-C
82	Skagway Area Wide Brush Cutting	cut brush with an excavator on Hwys in Skagway	\$70.0	Skagway	5-C
83	Brush cutting AK pen hwy	Cut vegetation on AK Pen Hwy	\$30.0	King Salmon	37-S
84	Kodiak Area-wide Vegetation Management	Area wide vegetation management	\$70.0	Kodiak	36-R
85	Peninsula Airport Dust Palliative	Apply dust palliative to control dust and harden the runway surface.	\$150.0	Peninsula District	29, 31, 32
86	Interior Airport Brush Cutting	This project will consist of performing clearing work at Rampart, Kaltag, and Birch Creek.	\$350.0		6-C, 39-T
87	Anton Larson Road Gravel Surfacing	Gravel lift 3-12	\$4,500.0	Kodiak	36-R
88	Kachemak Dr. - Mile 0.0 to 3.6 Repair	Mile 0.0 to 3.6: Both lanes, grind and pave. Center Line Miles 3.6 - Width 24'	\$3,150.0	Homer	31
89	Fuel Storage Tank Upgrades	Replace 26 aging combination heating/equipment fuel storage tanks at various rural Western airports	\$1,560.0		37-S, 39-T, 40-T
90	Dalton Hwy Highfloat	Short grade raises and repairs to the high float surface due to subsidence of embankment MP 355-360	\$750.0	Coldfoot	40-T
91	Teller Highway Improvements	Replace 2 culverts & raise grade on road for ice & flooding problems. Resurface with modified C-1 or use Fahr crusher MP 16.5-19	\$275.0	Nome	39-T
92	Brock Rd Resurface	Reclaim and Pave Brock Rd. Surface is failing due to age.	\$850.0	North Pole	3-B
93	Peninsula Airport Dust Palliative	Apply dust palliative to control dust and harden the runway surface.	\$150.0	Peninsula District	29, 31, 32
94	Denali Hwy Culvert Repair	Install and replace culverts at multiple locations from MP 60 to 135	\$500.0	Cantwell	6-C, 9-E
95	Muldoon Road Asphalt Spot Repair	Intermittent mill & pave from 36th to JBER Gate, 8 lane miles	\$2,200.0	Anchorage	15, 27
96	Elliott Hwy Ditch Leveling and Cleaning.	Need to clean and level ditches in various spots from MP 12 to 28 due to permafrost thaw causing standing water along road with no way to drain away from road embankment.	\$125.0	Central	6-C
97	Chuathbaluk Airport Access Road Repair	Rehabilitate airport access road.	\$300.0	Chuathbaluk	38
98	King Salmon Guard rail repair	Repair Guard rail eskimo ck, king salmon	\$45.0	King Salmon	37-S

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		ck, paul's ck bridge			
99	Kodiak Guardrail repairs	Clean under and repair guardrail on Rezanof Dr. mile points 0 – 13.75, Chiniak Highway mile points 5 – 21.1, 21.1 – 31.8, Pasagshak Rd mile points 0 – 11.9, Monashka Bay Rd mile points 2.4 - 7.2, Otmaloi, Sawmill Circle and Lakeview roads	\$150.0	Kodiak	36-R
100	Airport stockpiles	Provide D-1 aggregate stockpiles at various airports needing attention: include Noorvik, Kobuk, Deering, St Mary's, Marshall, Elim and other airports as needed.	\$150.0		
101	Western Airport Brush-Cutting	Brush cutting at various Western airports – to improve aviation safety: airports needing attention include Shungnak, Kiana, Selawik, Noatak, Dahl Creek, St. Mary's, Nunam Iqua, Emmonak, and Kobuk.	\$40.0		39-T, 40-T
102	Dalton Hwy Highfloat	Grind, level, and repave this section of highway, which continues to fail causing unsafe driving conditions. MP 156-175	\$1,140.0	Coldfoot	40-T
103	Region-Wide Bridge Repair	Repair deficient bridge decks, railing, and structures to correct deficiencies and prolong life of the bridge.	\$500.0	Central Region	
104	Nabesna Road Resurface 2	Resurface gravel road with C-1 modified MP 25-35	\$250.0	Slana	6-C
105	Ludecker Rd. Resurface	Reclaim and Pave. Existing chip seal is aged and breaking up.	\$200.0	Fairbanks	5-C
106	Steesse Hwy Culvert Replacement	Replace approximately 60 - 24" culverts along this section due to road settlement and damage. MP 122 - 155	\$300.0		1-A, 2-A, 3-B, 4-B, 5-C, 6-C
107	Old Richardson Hwy Chip Seal	Double Chip seal the Old Richardson Hwy from Stringer Rd to the end of maintenance area, approx. 9,800'. Increased traffic from residents has driven the maintenance costs up. Chipping the surface would eliminate the amount of maintenance currently required and reduce dust control problems.	\$400.0	Fairbanks	3-B
108	Region-wide Lighting Repairs	This project will consist of performing a lighting system check and replacement of or repair of existing Lights.	\$350.0	Central Region	
109	Ditch cleaning	Ditching Otmaloi, Sawmill Circle and	\$75.0	Kodiak	36-R

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	Otmaloi, Sawmill Circle and Lakeview roads	Lakeview roads			
110	KAK PEN Hwy shoulder maint.	Shoulder gravel mile 1-5 AK pen hwy	\$50.0	King Salmon	37-S
111	District Wide Bridge Maintain ace	Maintain bridges district wide in accordance with bridge report recommendations	\$100.0	SR	
112	Chitina Dust Palliative	Apply dust palliative to existing surface aggregate	\$75.0		6-C
113	Dalton Highway Brush Cutting	Cut brush to improve sight distance and reduce snow drifting. MP 28-99.6	\$150.0	7-mile	6-C
114	Dalton Hwy Brush Cutting	Cut brush to improve sight distance and reduce snow drifting. MP 100 - 156	\$168.0	Jim River	6-C
			\$50,051.0		