

2020 Report to the State
Five-Year Capital Plan

Published Dec. 2019



Five-Year Capital Plan - Sources of Funding

Fund Source	2020	2021	2022	2023	2024
Federal Transit Administration Funds (net of programmed items)	9.06	11.76	12.22	30.42	30.87
Internal Funds	37.59	35.19	38.36	32.59	37.11
Prior Year FTA funds not allocated or rolling over	5.14	2.25	-	-	-
Total Capital Funds Available	51.78	49.19	50.58	63.01	67.98

- Other sources of funds may be added to the Fund Source list during this 5-year period as they become available for large projects

- Debt Financing may also be considered for certain needs that lend themselves well to debt financing, such as replacement of vehicles, equipment and rail cars

Five-Year Capital Plan - FTA Formula Funds

FTA Formula Funded Capital Program	2020	2021	2022	2023	2024	5-Year Total
<i>Total FTA (with match)</i>	\$ 45,554,474	\$ 46,237,508	\$ 46,931,070	\$ 47,635,037	\$ 48,349,562	\$ 234,707,651
Preventive Maintenance	\$ 16,464,359	\$ 16,711,324	\$ 16,961,994	\$ 17,216,424	\$ 17,474,671	\$ 84,828,772
2015A Bond Debt Service	\$ 15,902,875	\$ -	\$ -	\$ -	\$ -	\$ 15,902,875
2015B Bond Debt Service	\$ 1,884,050	\$ 17,768,000	\$ 17,747,875	\$ -	\$ -	\$ 37,399,925
<i>Total Programmed Items</i>	\$ 34,251,284	\$ 34,479,324	\$ 34,709,869	\$ 17,216,424	\$ 17,474,671	\$ 138,131,572
<i>Total Grant Funds Available for Projects</i>	\$ 11,303,190	\$ 11,758,184	\$ 12,221,201	\$ 30,418,613	\$ 30,874,891	\$ 96,576,079
Track Rehabilitation Program	\$ 5,712,554	\$ 5,804,234	\$ 8,181,470	\$ 5,747,920	\$ 16,312,500	\$ 41,758,678
Passenger Car Rehabilitation	\$ 2,227,000	\$ 2,026,000	\$ 881,000	\$ 900,000	\$ 900,000	\$ 6,934,000
Bridge MP 422.9	\$ 250,000	\$ 3,200,000	\$ 2,000,000	\$ -	\$ -	\$ 5,450,000
Locomotive Truck Overhaul	\$ 317,700	\$ 214,000	\$ -	\$ 110,500	\$ -	\$ 642,200
Locomotive Engine Overhaul	\$ -	\$ -	\$ 146,231	\$ 147,693	\$ 149,170	\$ 443,094
Locomotive Paint	\$ 175,200	\$ -	\$ -	\$ -	\$ -	\$ 175,200
MP 379 -380	\$ 375,520	\$ -	\$ -	\$ 6,000,000	\$ -	\$ 6,375,520
Bridge MP 25.7	\$ -	\$ -	\$ -	\$ 9,500,000	\$ -	\$ 9,500,000
Transit Asset Management	\$ -	\$ 501,450	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 3,501,450
Wheel Chair Lift Replacement	\$ -	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 50,000
Multi-year Bridge Replacement Program	\$ -	\$ -	\$ -	\$ 7,000,000	\$ 3,125,000	\$ 10,125,000
<i>Total Current Year Estimated FTA Formula Funds Program</i>	\$ 9,057,974	\$ 11,758,184	\$ 12,221,201	\$ 30,418,613	\$ 21,499,170	\$ 84,955,142
<i>Remaining Current Year Funds to Allocate</i>	\$ 2,245,216	\$ -	\$ -	\$ -	\$ 9,375,721	\$ 11,620,937
Track Rehabilitation Program - with prior year funds	\$ 5,137,446	\$ 2,245,216	\$ -	\$ -	\$ -	\$ 7,382,662
<i>Total Prior Year Funds Allocated to Projects</i>	\$ 5,137,446	\$ 2,245,216	\$ -	\$ -	\$ -	\$ 7,382,662

Five-Year Capital Plan - Internally Funded Projects

Non-Discretionary Projects	2020	2021	2022	2023	2024	5-Year Total
MP 52.24 (Tunnel District) Rockfall Mitigation	\$ 1,655,000	\$ -	\$ -	\$ -	\$ -	\$ 1,655,000
2020 All Season HVAC Upgrades	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ 325,000
Locomotive Simulator Retrofit & Mobile Stand	\$ 238,000	\$ -	\$ -	\$ -	\$ -	\$ 238,000
Anchorage Shop Networking	\$ 186,000	\$ -	\$ -	\$ -	\$ -	\$ 186,000
Fairbanks HA Server Infrastructure	\$ 58,000	\$ -	\$ -	\$ -	\$ -	\$ 58,000
Environmental Waste Management Structures	\$ 44,200	\$ -	\$ -	\$ -	\$ -	\$ 44,200
Subtotal - Non-Discretionary Projects	\$ 2,506,200	\$ -	\$ -	\$ -	\$ -	\$ 2,506,200
Continuing Programs	2020	2021	2022	2023	2024	5-Year Total
Vehicle & Equipment Program	\$ 14,724,350	\$ 12,754,000	\$ 7,293,300	\$ 8,228,820	\$ 5,829,350	\$ 48,829,820
Track Rehabilitation Program	\$ 1,185,000	\$ 8,475,550	\$ 9,943,530	\$ 10,777,080	\$ 1,812,500	\$ 32,193,660
Bridge Program	\$ 3,752,500	\$ 3,752,500	\$ 4,500,000	\$ 4,500,000	\$ 5,900,000	\$ 22,405,000
Passenger Car Rehabilitation	\$ 377,000	\$ 140,000	\$ 74,000	\$ 200,000	\$ 200,000	\$ 991,000
Docks & Slips	\$ 760,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,760,000
Culvert Program	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 3,500,000
Rip Rap & Drainage Maintenance	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000
Yard & Branch Improvements	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000
Locomotive Truck Overhaul	\$ 106,000	\$ 214,000	\$ -	\$ 110,500	\$ -	\$ 430,500
Section Improvements	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 100,000	\$ 1,900,000
Network Services	\$ 395,000	\$ 345,000	\$ 345,000	\$ 345,000	\$ 345,000	\$ 1,775,000
PC Refresh	\$ 288,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 225,000	\$ 1,188,000
System Bridge Ratings	\$ 575,000	\$ -	\$ -	\$ -	\$ -	\$ 575,000
Public Transportation System Security Fund	\$ 225,000	\$ 150,000	\$ 150,000	\$ 150,025	\$ 152,276	\$ 827,301
General Repairs	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 100,000	\$ 900,000
Roofing Upgrades	\$ 175,000	\$ 200,000	\$ 400,000	\$ 500,000	\$ 250,000	\$ 1,525,000
Detector Upgrades	\$ 147,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 747,000
Energy Management	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000
Tenant Improvements	\$ 125,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 525,000
Building Maintenance	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Anchorage Yard Drain Rehab Phase 2	\$ 100,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 350,000
Land & Utilities	\$ 100,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 400,000
Avalanche Mitigation Program	\$ 80,000	\$ 720,000	\$ 780,000	\$ 600,000	\$ 600,000	\$ 2,780,000
Electrical Upgrades	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
GOB HVAC Upgrades	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000
Printer Refresh	\$ 35,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 155,000
Locomotive Paint	\$ -	\$ 176,950	\$ -	\$ -	\$ -	\$ 176,950
Subtotal - Continuing Programs	\$ 25,869,850	\$ 31,408,000	\$ 27,715,830	\$ 29,641,425	\$ 18,869,126	\$ 133,504,231

Five-Year Capital Plan - Internally Funded Projects

Strategic Business Initiatives	2020	2021	2022	2023	2024	5-Year Total
Snow River Embankment Projection	\$ 625,478	\$ 9,144,000	\$ -	\$ 2,000,000	\$ -	\$ 11,769,478
Whittier Barge Slip	\$ 1,000,000	\$ 5,500,000	\$ -	\$ 2,000,000	\$ -	\$ 8,500,000
Eagle River Bridge	\$ 882,000	\$ 5,400,000	\$ -	\$ -	\$ -	\$ 6,282,000
Matsu Valley Fire Mitigation	\$ 826,000	\$ -	\$ -	\$ -	\$ -	\$ 826,000
Depot Drive Access Improvements	\$ 700,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 1,200,000
Wasilla Control Point	\$ 675,000	\$ -	\$ -	\$ -	\$ -	\$ 675,000
Fairbanks ACS Property Purchase and Upgrades	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000
Healy Canyon Planning	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,500,000	\$ 1,500,000	\$ 4,500,000
Bearing Acoustic Monitor	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ 425,000
Warehouse 1 HVAC Upgrades	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ 325,000
Whittier Marginal Wharf Replacement	\$ 100,000	\$ 1,000,000	\$ 8,000,000	\$ 7,000,000	\$ -	\$ 16,100,000
Avtec Radio Update	\$ 234,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 334,000
GOB Office Refresh	\$ 225,000	\$ 350,000	\$ 225,000	\$ -	\$ -	\$ 800,000
Comm Remote Power	\$ 197,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 437,000
Healy Equipment Shelter	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000
Switch Machine Replacement	\$ 152,500	\$ 152,500	\$ 152,500	\$ 152,500	\$ 152,500	\$ 762,500
Thermal Brick Switch Heaters	\$ 114,500	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 594,500
Fairbanks Wireless	\$ 113,000	\$ -	\$ -	\$ -	\$ -	\$ 113,000
Data Center Modernization	\$ 121,000	\$ -	\$ -	\$ -	\$ -	\$ 121,000
AP Automation	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ 105,000
ARRC Mobile Applications	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
SharePoint to Office	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Electronic HR Records Management	\$ 99,750	\$ -	\$ -	\$ -	\$ -	\$ 99,750
Signal CP C-Can Replacement	\$ 88,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 288,000
Communication Site Standardization	\$ 74,000	\$ 74,000	\$ 74,000	\$ 74,000	\$ 74,000	\$ 370,000
Automatic Single Car Test Device	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ 55,000
Technology Security Cloud Email Protection	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Section House Technology Accessibility Program	\$ 43,000	\$ -	\$ -	\$ -	\$ -	\$ 43,000
Technology Security Next Gen AntiVirus-Pilot	\$ 17,000	\$ -	\$ -	\$ -	\$ -	\$ 17,000
Bridge MP 447.7	\$ -	\$ 500,000	\$ 7,400,000	\$ -	\$ -	\$ 7,900,000
Bridge MP 467.8 & MP 467.9	\$ -	\$ -	\$ 972,000	\$ 13,000,000	\$ -	\$ 13,972,000
Bridge MP 114.3	\$ -	\$ -	\$ -	\$ 650,000	\$ 8,000,000	\$ 8,650,000
MP 4.8 - 6.33 Salmon Creek Track & Bridge Raise	\$ -	\$ -	\$ -	\$ 700,000	\$ -	\$ 700,000
SD70 Mac Can Bus Upgrade	\$ -	\$ -	\$ 505,000	\$ -	\$ -	\$ 505,000
Melco Upgrade	\$ -	\$ 1,616,640	\$ 1,632,960	\$ 1,649,460	\$ 1,666,110	\$ 6,565,170
TOFC Park Spur	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000
Bridge 227 Trainman's Walk Replacement	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000	\$ 3,500,000
Subtotal - Strategic Business Initiatives	\$ 8,767,228	\$ 26,617,140	\$ 19,741,460	\$ 28,905,960	\$ 15,072,610	\$ 99,104,398

Five-Year Capital Plan - Internally Funded Projects

Ranked Projects	2020	2021	2022	2023	2024	5-Year Total
Garner Site to Healy Fiber Optic Cable	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Sand Tower	\$ 100,000	\$ 1,400,000	\$ -	\$ -	\$ -	\$ 1,500,000
Communication Office Upgrades	\$ 64,450	\$ -	\$ -	\$ -	\$ -	\$ 64,450
Yard Switching	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Funds available for Ranked Projects	\$ -	\$ -	\$ -	\$ -	\$ 3,168,264	\$ 3,168,264
Subtotal - Ranked Projects	\$ 444,450	\$ 1,400,000	\$ -	\$ -	\$ 3,168,264	\$ 5,012,714
Total Internally Funded Project Requests	\$ 37,587,728	\$ 59,425,140	\$ 47,457,290	\$ 58,547,385	\$ 37,110,000	\$ 240,127,543
Estimated Funds from Internal Cash flow	\$ 37,587,728	\$ 35,190,000	\$ 38,360,000	\$ 32,590,000	\$ 37,110,000	\$ 180,837,728
Total Internal Funding Shortage (Surplus)	\$ -	\$ 24,235,140	\$ 9,097,290	\$ 25,957,385	\$ -	\$ 59,289,815
Total Capital Budget	\$ 51,783,148	\$ 49,193,400	\$ 50,581,201	\$ 63,008,613	\$ 58,609,170	\$ 273,175,532

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