



Capital Investments and Deferred Maintenance Projects

Issue

Funding for maintenance of existing infrastructure (roads, trails, and facilities) has not kept pace with maintenance needs, resulting in deferment of a significant amount of annual maintenance. The Region has focused available funding on critical deferred maintenance (DM) projects related to protecting health and safety, sensitive natural resources and similar high-priority projects while deferring other annual maintenance items. Although it is not addressed in this paper, it should be recognized that the same funds needed for maintenance must also fund decommissioning, emergency repairs, spill cleanups, energy conservation measures, and improvements.

Background

Fire, Administration & Other (FA&O)

Region 10 FA&O Deferred Maintenance continues to increase despite some increases in CP09 funding and static CMFC funding levels. The following applies to FA&O exclusive of major visitor centers, communications sites, and utilities infrastructure (water, waste water, etc., not specifically included with a building). Note: dollar amounts are shown in millions.

FY	2009	2008	2007	2006	2005
FA&O DM	\$24.88	\$21.69	\$19.88	\$17.08	\$15.18
CP09	\$1.56	\$1.01	\$0.79		
CMFC	\$7.51	\$7.44	\$7.68		

The current replacement value for R10 FA&O facilities is \$181 million and, for R10 major visitor centers, \$28.7 million. As of February 2010, the percentage of R10 FA&O facilities rated to standard is 58% and, of major visitor centers, 100%. Administrative facility master plans need to be updated for both forests.

Major visitor centers, communications sites, and utilities are funded with CMFC and CP09. In FY 2010, CMFC funding is \$7.511 million and CP09 funding is \$1.666 million. However, DM and funding data is not easily distinguished between FA&O and Recreation.

Several strategies are available to stabilize or reduce DM for FA&O: 1) significantly increase CP09 funding (funds would come from multiple R10 BLIs); 2) significantly decrease the number of FA&O facilities (most of the funding would come from CP09); 3) dedicate a greater percentage of available CMFC and CP09 to FA&O DM reduction (reduces available Recreation maintenance and or CIP project funding); and 4) some combination of 1-3.

Recreation – Recreation Facilities, Trails & Cabins

In 2005 and 2006, the Chugach and Tongass National Forests completed the Recreation Facility Analysis (a national effort) to prioritize and rank recreation sites and facilities for funding through both appropriated funds and recreation fees. That information is being used to guide future capital investment to reduce DM and to guide future recreation construction efforts.

Recreation Site Improvement is a limited three-year program begun in FY 2008. Projects approved by the Washington Office for implementation under the Recreation Site Improvement (RSI) Program are funded by a portion of the Land and Water Conservation Fund receipts made available to the agency through the Recreation Enhancement Act authority for the reduction of deferred maintenance at high priority recreation fee sites as identified in the results of the Recreation Facility Analysis process.

Roads and Bridges

For roads and bridges, the deferred maintenance based on National Cost Averages is estimated at \$31 million and \$13 million respectively. In 2009, the Region identified the minimum road system in accordance with 36 CFR 212.5(b)(1). The minimum system is the road system determined to be needed to meet resource and other management objectives, to meet applicable statutory and regulatory requirements, and to reflect long-term funding expectations. The Tongass Access and Travel Management Plans evaluated the management of the Tongass National Forest system roads on each district. The Chugach National Forest completed a roads analysis in their Forest Plan in 2002.

CMRD funding has been declining since the implementation of the 2007 CMRD allocation formula. The CMRD allocation in FY 2010 is about ½ the allocation in FY 2005. The limited CMRD funding is focused on annual maintenance with a few improvement projects. Other program funding such as HTAP and CMLG funds have been used for culvert replacement, road storage and road decommissioning projects.

Current Situation

For many years, the region has maintained a multiple-year list of CIP projects to reduce the DM backlog and has tied the list with our strategies for the future in Southeast and Southcentral Alaska. To address the Office of Management & Budget objective of reducing DM backlog by 25%, the Region re-focused dedicated DM and facilities funding toward targeting deferred maintenance on our recreation sites, buildings and visitor centers as a regional priority. The DM reduction is especially challenging for Alaska as construction costs are high and the location of many of our sites in remote areas also increase mobilization costs.

The region uses the Capital Investment Program (CIP), the Recreation Site Improvement Program (RSI), the American Recovery & Reinvestment Act (ARRA), and Federal Highway Funding to address projects that have priority needs. See Appendices A (Chugach National Forest) and B (Tongass National Forest) for a partial list of these projects. Both appendices display projects that tie-in with local economies and have the potential to benefit communities through local hiring, businesses actually soliciting the work, and local suppliers of materials.

More Information

Sam Carlson, Director, Engineering, (907) 586-8733; or
Ruth Monahan, Director, Recreation, Lands & Minerals, (907) 586-8877

APPENDIX A
Capital Investment Program (partial listing)
Chugach National Forest

Ranger District	Project Description	Funding	DM Purpose (unless noted otherwise)	Primary Goal(s)	Year(s)
Cordova	McKinley Trail Cabin Rehab	RSI	Rehabilitation	Cabins	2009 - 2010
Cordova	Shrode Cabin	CMFC	Repair	Cabins	2010
Cordova	Martin Lake Cabin	CMFC	Repair	Cabins	2010
Cordova	CRD Bunkhouse Accessibility	CMII	Rehabilitation	FA&O	2009 - 2010
Cordova	Alaganik Boat Ramp Replacement	CMII	Replacement	Recreation	2010
Cordova	Eyak River Boat Ramp Replacement	CMFC	Replacement	Recreation	2012
Cordova	Sheridan Mt. Trail, Phases 1-3	CMTL	Rehabilitation	Trails	2009 - 2010
Glacier	Coghill Cabin Replacement	CMFC	Replacement	Cabins	2011
Glacier	Roof Snowslide Mitigation	CMFC	Repair	FA&O	2012
Glacier	Porcupine Campground	CMFC/CMRD	Rehabilitation	Recreation	2010
Glacier	Portage Valley Interpretive Signs Replacement	CMFC	Replacement	Recreation	2012
Seward	Crow Pass Cabin Rehab	RSI	Rehabilitation	Cabins	2010
Seward	Trout Lake Cabin Replacement	RSI	Replacement	Cabins	2010
Seward	Dale Clemens Cabin Replacement	RSI	Replacement	Cabins	2010
Seward	Upper Paradise Cabin Replacement	CMFC	Replacement	Cabins	2012
Seward	Snug Harbor Road Reconstruction	ARRA	Repair	Roads	2010
Forest-wide	Iditarod National Heritage Trail	CMTL	Maintenance (Annual)	Trails	2010

Funding

- ARRA = American Recovery & Reinvestment Act
- CMFC = Capital Improvement and Maintenance – Facilities
- CMII = Deferred Maintenance and Infrastructure
- CMLG = Capital Improvement and Maintenance – Legacy Roads and Trails
- CMRD = Capital Improvement and Maintenance – Roads
- CMTL = Capital Improvement and Maintenance – Trails
- HTAP = Federal Highway Administration Funds – Road Aquatic Species Passage
- HTFB = Federal Highway Administration Funds – National Forest Scenic Byways Program
- RSI = Recreation Site Improvement Program

Purpose

- Annual Maintenance = Repair, Preventive Maintenance, Cyclic Maintenance
- Deferred Maintenance (DM) = Repair, Rehabilitation, Replacement, Decommission

APPENDIX B
Capital Investment Program (partial listing)
Tongass National Forest

Ranger District	Project Description	Funding	DM Purpose (unless noted otherwise)	Primary Goal(s)	Year(s)
Admiralty	Big Shaheen Cabin Mtce	RSI	Rehabilitation	Cabins	2010
Craig	Kegan Cove Cabin Replacement	RSI	Rehabilitation	Cabins	2010
Craig	Tongass Central Prince of Wales Fish Passage Project	HTAP	Rehabilitation	Roads	2010
Hoonah	Greentop Cabin and Trail	---	Rehabilitation	Cabins/Trails	2009 - 2010
Hoonah	Kennel Creek Cabin Replacement	CMFC	Replacement	Cabins	2011
Hoonah	Tongass Prince of Wales Fish Passage Project	HTAP	Rehabilitation	Roads	2010
Juneau	John Muir Cabin Mtce	RSI	Rehabilitation	Cabins	2010
Juneau	Peterson Lake Cabin Mtce	RSI	Rehabilitation	Cabins	2011
Ketchikan Misty Fiords	Winstanley Island Cabin	CMFC	Rehabilitation	Cabins	2010
KMF	KMRD Admin Site Contract Admin, Mods & Contingencies	CMFC	Improvement (not DM) and Replacement	FA&O	2010
KMF	Discovery Center Biomass Conversion	CMFC	Improvement (not DM)	FA&O	2010
Petersburg	Kadake Bay Cabin	CMFC	Rehabilitation	Cabins	2010
Petersburg	Cascade Creek Bunkhouse	CMFC	Rehabilitation	FA&O	2011
Petersburg	North Kuiu Road Storage	CMLG	Decommission	Roads	2010
Sitka	Piper Island Cabin Mtce	RSI	Rehabilitation	Cabins	2010
Sitka	North Beach Cabin Mtce	RSI	Rehabilitation	Cabins	2010
Sitka	Shelikof Cabin Mtce	RSI	Rehabilitation	Cabins	2010
Sitka	Moser Island Cabin Mtce	RSI	Rehabilitation	Cabins	2010

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APPENDIX B

(Continued)

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Sitka	Kook Lake Cabin Mtce	RSI	Rehabilitation	Cabins	2010
Sitka	Lake Eva Cabin	CMFC	Rehabilitation	Cabins	2011
Sitka	Redoubt Lake Cabin	CMFC	Rehabilitation	Cabins	2012
Sitka	White Sulphur Springs Reconstruction	CMFC	Rehabilitation	Recreation	2011
Sitka	Harbor Mt. / Gavan Hill Trail, Phase 3	CMLG	Repair	Trails	2010
Thorne Bay	Thorne Bay Quads 2&3	CMFC	Rehabilitation	FA&O	2010
Thorne Bay	Thorne	CMLG	Repair	Roads	2010
Thorne Bay	Shaheen	CMLG	Repair	Roads	2010
Thorne Bay	Lancaster	CMLG	Repair	Roads	2010
Thorne Bay	Thorne Bay Phase 1 – Staney, Marble	CMLG	Repair	Roads	2010
Thorne Bay	Thorne Bay Phase 2 – Heceta, Sumez	CMLG	Repair	Roads	2010
Wrangell	Anan Bay Cabin Replacement	RSI	Replacement	Cabins	2010
Wrangell	Berg Bay Cabin Replacement	CMFC	Replacement	Cabins	2012
Wrangell	Garnet Ledge Cabin Replacement	CMFC	Replacement	Cabins	2012
Wrangell	Anan Admin Facility Replacement	CMFC	Replacement	FA&O	2011
Wrangell	Anan Wildlife Observatory Staircase	RSI	Rehabilitation	Recreation	2010
Wrangell	Anan Wildlife Safety & Viewing Opportunity Improvements	CMFC	Rehabilitation	Recreation	2012
Yakutat	YRD Compound Electrical Contract Admin, Mods & Contingencies	CMFC	Rehabilitation	FA&O	2010
Yakutat	Airfields Critical Deferred Mtce	CMFC	Repair	Recreation	2010
Forest-wide	Alaska Public and Administrative Facilities Reconstruction and Maintenance – Multiple Sites	ARRA	Annual and deferred maintenance work	FA&O	2009 - 2010
Forest-wide	Mountain Communication Sites	CMFC	Rehabilitation	FA&O	2010 - 2011
Forest-wide	Bellingham Ferry Terminal Exhibit	HTFB	Replacement	Roads	2010

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