

Appendix F: Refuge Operations Needs (RONS) and Maintenance Management System (MMS)

Refuge Operations Needs (RONS)

RONS Project No.	Strategy No.	Project Description	First Year Need	Recurring Annual Need
99015	1.2.17/11.1.1	Improve moist soil/wetland vegetation (seasonal tractor operator)	\$59,000	\$26,000
00001	7.2.5	Improve visitor services/outreach\Environmental Education	\$92,000	\$5,000
00002	1.4.10	Restore Loess Bluff/upland grasslands	\$32,000	\$1,000
97003	7.1.2	Improve visitor services /interpretation auto tour route	\$117,000	\$5,000
99017	7.2.6/7.3.5	Expand Outdoor Classroom facilities	\$179,000	\$2,000
99016	7.1.5	Revise Refuge leaflets	\$79,000	
99018	1.2.10	Provide access - east of Davis Creek	\$204,000	\$1,000
00009	7.1.1/7.2.7/11.1.1	Improve visitor services - O&M	\$113,000	\$13,000
99002	10.1.6/10.4.1	Boundary/historic survey- Munkres	\$32,000	
97008	1.5.3	Restore loess bluff native grasslands	\$25,000	\$1,000
99001	5.1.8	Survey easement/fee title lands	\$43,000	
97006	5.1.1/9.2.1 / 11.1.1	Restore private lands wetlands and improve watershed water quality.	\$118,000	\$53,000
99007	1.5.4	Biology of Illinois garlic mustard	\$32,000	
02002		Biology of Reed Canary Grass	\$32,000	
99003		Improve wetlands and water level management.	\$34,000	\$1,000
00008		Manage biological programs and provide biological monitoring.	\$32,000	\$32,000
02001		Improve visitor services/enhance quality of office efficiency.	\$56,000	\$23,000
02003		Prescribed Fire Specialist		
99011		Geographic information/global positioning capability	\$108,000	\$10,000
Total			\$1,387,000	

Deferred Maintenance and Equipment Needs (MMS)

MMS	Refuge Rank	Strategy No.	Project Description	Fund Type	Year	Cost
03003	2		Replace worn-out inadequate entrance gate	DM	2003	\$14,000
95441	3		Replace deteriorated 3-stall garage	DM	2999	\$200,000
02001	6		Replace deteriorated items in office building	DM	2999	\$60,000
98049	9		Rehab deficient Squaw Creek water control structure	DM	2005	\$33,000
01007	10		Replace deteriorated Squaw Creek roller gate	DM	2004	\$326,000
01001	11		Replace wildlife observation tower	DM	2004	\$40,000
03012	12		Replace deteriorated Eagle Pool water control structure	DM	2999	\$450,000
99103	13		Retrofit shop bldg. for energy reduction	DM	2005	\$250,000
02003	15		Restore deteriorated Squaw Creek ditch	DM	2999	\$450,000
02004	16		Restore deteriorated Davis Creek ditch	DM	2999	\$485,000
99343	17		Replace deteriorated equip. storage bldg.	DM	2999	\$40,000
<i>Total Deferred Maintenance</i>						\$2,348,000
995442	2		Replace worn-out D-7 dozer	EQ	2011	\$228,000
99342	3		Replace worn-out road grader	EQ	2010	\$245,000
01020	4		Replace worn-out Ford 6600 tractor	EQ	2999	\$80,000
98192	5		Replace worn-out JD 350 dozer	EQ	2004	\$93,000
99341	6		Replace worn-out IHC dump truck	EQ	2005	\$88,000
99343	7		Replace worn-out JD backhoe	EQ	2010	\$67,000
95440	8		Replace worn-out JD 70hp tractor	EQ	2011	\$93,000
00216	9		Replace worn-out D-4 dozer	EQ	2011	\$129,000
01006	10		Replace worn-out tracked excavator	EQ	2999	\$220,000
01015			Replace worn-out JD 130hp tractor	EQ	2999	\$70,000
01018	12		Replace worn-out Case scoop loader	EQ	2999	\$130,000
01019	13		Replace worn-out Ford F450	EQ	2999	\$38,000
03007	14		Replace worn-out IH dump truck	EQ	2999	\$80,000
03002	15		Replace worn-out Komatsu scraper	EQ	2999	\$368,000
<i>Total Heavy Equipment</i>						\$1,929,000
00214	1		Replace worn-out 1995 GMC Suburban	EQ	2003	\$35,000
03011	3		Replace worn-out JD 210 ag disk	EQ	2999	\$23,000
03010	4		Replace worn-out IH tractor w/mower	EQ	2999	\$35,000
03001	5		Replace worn-out Totem-all trailer	EQ	2999	\$35,000
03009	6		Replace worn-out JD F525 riding mower	EQ	2999	\$10,000
03013	7		Replace worn-out Woods flexwing mower	EQ	2999	\$9,000
03008	8		Replace worn-out JD F145H plow	EQ	2999	\$16,000
03006	9		Replace worn-out Rhino mower	EQ	2999	\$8,000
00217	10		Replace deteriorated Truax seed drill	EQ	2999	\$26,000
00213	11		Replace worn-out 1996 Dodge truck	EQ	2999	\$31,000
01013	12		Replace worn-out 1997 Ford truck	EQ	2999	\$35,000

Deferred Maintenance and Equipment Needs (MMS)

MMS	Refuge Rank	Strategy No.	Project Description	Fund Type	Year	Cost
01002	13		Replace worn-out bush hog harrow/disk	EQ	2999	\$18,000
01004	14		Replace worn-out Cascade slipon pumper	EQ	2999	\$12,000
01005	15		Replace worn-out Kewanee harrow/disk	EQ	2999	\$10,000
01007	16		Replace worn-out Honda 4x4 atv	EQ	2999	\$8,000
01008	17		Replace worn-out beavertail trailer	EQ	2999	\$20,000
01009	18		Replace worn-out extendavator	EQ	2999	\$10,000
01010	19		Replace worn-out Chevy 3500 crewcab	EQ	2999	\$37,000
91337	20		Replace worn-out boom ax mower	EQ	2999	\$73,000
01014	21		Replace deteriorated Gulfstream trailer	EQ	2999	\$25,000
01016	22		Replace worn-out Cascade pumper	EQ	2999	\$15,000
01017	23		Replace worn-out JD 1218 mower	EQ	2999	\$12,000
03004	24		Replace worn-out Polaris 6x6 atv	EQ	2999	\$12,000
03005	25		Replace worn-out Honda TRX 4x4 atv	EQ	2999	\$7,000
03014	26		Replace worn-out 2001 Dodge Caravan	EQ	2999	\$35,000
03015	27		Replace worn-out 2001 Dodge 318	EQ	2999	\$35,000
03016	28		Replace worn-out 2001 Dodge 350	EQ	2999	\$40,000
<i>Total Small Equipment</i>						\$652,000
00007 99044		11.3.1	Environmental Learning Center/ office expansion	CON	2999	\$1,200,000
<i>Total Construction</i>						\$120,000
93159			Replace deteriorated bridge over Tarkio Creek	DM	2999	\$58,000
96242		7.3.1	Repair 7,900 LF of eroded auto tour route	DM	2999	\$84,000
98151		7.3.2/ 7.3.6	Repair deteriorated asphalt surface on entrance road	DM	2999	\$90,000
01013			Replace deteriorated Squaw Creek bridge	DM	2999	\$400,000
01014			Repair deteriorated gravel auto tour route	DM	2999	\$50,000
<i>Total TEA 21 Refuge Roads</i>						\$592,000

