



Summary Road Maintenance Plan

DRADETICH

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MBS-RMP-2009 - MBS NF ROAD MTCE PLAN FOR FY 2009 (10/01/2008-09/30/2009)

Special Program: FHWA - HTAP

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
D020112		Drainage-Construction-Install new-Special project(Custom)	1.00	LS	0.00	\$186,000
Special Program Total						\$186,000

Special Program: FHWA - HTER

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
D0101	834(01)	Drainage-Maintenance-Culvert(Clean/recondition <= 24-in diameter)	0.01	MILE	200.00	\$2
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 12-in to 24-in diameter)	240.00	LN FT	60.00	\$18,000
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 30-in to 36-in diameter)	253.00	LN FT	100.00	\$25,300
D020103	FP-602	Drainage-Construction-Install new-Culvert(Round / 42-in to 72-in diameter)	40.00	LN FT	200.00	\$8,000
D020105	FP-204	Drainage-Construction-Install new-Ditch(4-ft flat bottom ditch)	0.01	MILE	15,000.00	\$150
D020108	FP-601	Drainage-Construction-Install new-Ford / low water crossing(Concrete)	1.00	EACH	100,000.00	\$13,400
D020202	833(02)	Drainage-Construction-Remove and dispose-Culvert(Round / 78-in to 96-in diameter)	1.00	EACH	10,000.00	\$9,000
R0106	832(01)	Surface and Roadway-Maintenance-Load, haul and place material (slide removal)(End haul)	1.04	MILE	100.00	\$104
R020201	FP-211	Surface and Roadway-Construction-Prism-Decommission(Block road, water bar, pull pipes, pull unstable side cast, seed)	4.50	MILE	50,000.00	\$70,000
R020202	FP-204	Surface and Roadway-Construction-Prism-Reconstruction(Realignment, single lane)	1.00	LS	50,000.00	\$8,560
R020202	FP-204	Surface and Roadway-Construction-Prism-Reconstruction(Wash-out, fill repair)	33.19	MILE	100.00	\$1,731,086
Special Program Total						\$1,883,602

Special Program: FS - CMLG

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
D0104	834(05)	Drainage-Maintenance-Ditch and drainage structure(Clean 0-10 per mile)	17.95	MILE	300.00	\$5,385
D0104	834(05)	Drainage-Maintenance-Ditch and drainage structure(Clean 11-20 per mile)	8.00	MILE	300.00	\$2,400
D0104	834(05)	Drainage-Maintenance-Ditch and drainage structure(Clean > 20 per mile)	19.33	MILE	1,313.00	\$25,380
D0105		Drainage-Maintenance-Special project(Custom)	1.00	LS	0.00	\$30,105
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 12-in to 24-in diameter)	2,266.00	LN FT	60.00	\$135,960



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Special Program: FS - CMLG

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 30-in to 36-in diameter)	140.00	LN FT	100.00	\$14,000
D020106	833(11)	Drainage-Construction-Install new-Drivable drain / grade dip(< 6% grade)	30.00	EACH	1,000.00	\$30,000
D020109	833(04)	Drainage-Construction-Install new-Surface cross drain(Water-bar <= 10 per mile)	16.10	MILE	500.00	\$8,050
R0101	811(05)	Surface and Roadway-Maintenance-Surface maintenance(Maintenance level 2, single lane)	6.80	MILE	500.00	\$3,400
R0104	813(01)	Surface and Roadway-Maintenance-Spot surfacing(5-20 mile haul)	11.75	MILE	50.00	\$588
R0104	813(01)	Surface and Roadway-Maintenance-Spot surfacing(> 20 mile haul)	5.20	MILE	586.00	\$3,047
R0106	832(01)	Surface and Roadway-Maintenance-Load, haul and place material (slide removal)(End haul)	13.20	MILE	100.00	\$1,320
R020201	FP-211	Surface and Roadway-Construction-Prism-Decommission(Block road, water bar, pull pipes, pull unstable side cast, seed)	7.30	MILE	50,000.00	\$210,000
R020202	FP-204	Surface and Roadway-Construction-Prism-Reconstruction(Wash-out, fill repair)	25.95	MILE	100.00	\$2,595
T020101	FP-204	Signs and Traffic Control-Construction-Install new-Barrier(Rock/earth)	1.00	EACH	2,500.00	\$2,500
V02	842(03)	Vegetation-Roadside removal(Maintenance level 2)	5.20	MILE	800.00	\$4,160
V02	842(02)	Vegetation-Roadside removal(Maintenance level 3)	20.75	MILE	800.00	\$16,600
V0401	851(02)	Vegetation-Hazard removal-Logging out(Maintenance level 2)	6.80	MILE	200.00	\$1,360
V0401	851(01)	Vegetation-Hazard removal-Logging out(Maintenance level 3 - 5)	9.00	MILE	200.00	\$1,800
Special Program Total						\$498,650

Special Program: FS - ECON RECOVERY

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 12-in to 24-in diameter)	2,800.00	LN FT	60.00	\$168,000
D020105	FP-204	Drainage-Construction-Install new-Ditch(1-ft V ditch)	0.12	MILE	5,000.00	\$595
R0104	813(01)	Surface and Roadway-Maintenance-Spot surfacing(5-20 mile haul)	6.40	MILE	50.00	\$320
R020102	FP-301	Surface and Roadway-Construction-Surface-Crushed aggregate(< 4 inch, single lane)	1.00	MILE	50,000.00	\$37,000
R0204		Surface and Roadway-Construction-Special project(Custom)	1.00	LS	0.00	\$22,000
V02	842(02)	Vegetation-Roadside removal(Maintenance level 3)	10.30	MILE	800.00	\$8,240



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Special Program: FS - ECON RECOVERY

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
Special Program Total						\$236,155

Special Program: FS - EMG SUPP CMES

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
R020201	FP-211	Surface and Roadway-Construction-Prism-Decommission(Block road, water bar, pull pipes, pull unstable side cast, seed)	4.50	MILE	50,000.00	\$85,000
Special Program Total						\$85,000

Special Program: N/A

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
D0102	834(04)	Drainage-Maintenance-Ditch(Clean < 200 feet per mile)	0.17	MILE	200.00	\$33
D0102	834(04)	Drainage-Maintenance-Ditch(Clean >= 200 feet per mile)	0.80	MILE	200.00	\$160
D0103	834(06)	Drainage-Maintenance-Drainage structure(Clean 0-10 per mile)	5.14	MILE	500.00	\$2,570
D0104	834(05)	Drainage-Maintenance-Ditch and drainage structure(Clean 0-10 per mile)	266.18	MILE	300.00	\$73,465
D0104	834(05)	Drainage-Maintenance-Ditch and drainage structure(Clean 11-20 per mile)	63.43	MILE	300.00	\$19,624
D0104	834(05)	Drainage-Maintenance-Ditch and drainage structure(Clean > 20 per mile)	331.68	MILE	1,313.00	\$409,328
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 12-in to 24-in diameter)	1,080.00	LN FT	60.00	\$64,800
D020103	833(01)	Drainage-Construction-Install new-Culvert(Round / 30-in to 36-in diameter)	1,870.00	LN FT	100.00	\$153,000
D020106	833(11)	Drainage-Construction-Install new-Drivable drain / grade dip(< 6% grade)	10.00	EACH	1,000.00	\$10,000
D020109	833(04)	Drainage-Construction-Install new-Surface cross drain(Water-bar <= 10 per mile)	11.13	MILE	500.00	\$5,567
D020202	833(02)	Drainage-Construction-Remove and dispose-Culvert(Round / 12-in to 24-in diameter)	1.00	EACH	600.00	\$600
R0101	811(05)	Surface and Roadway-Maintenance-Surface maintenance(Maintenance level 2, single lane)	2.90	MILE	500.00	\$1,450
R0101	811(03)	Surface and Roadway-Maintenance-Surface maintenance(Maintenance level 3, single lane)	440.89	MILE	500.00	\$212,653
R0101	811(02)	Surface and Roadway-Maintenance-Surface maintenance(Maintenance level 4 & 5, double lane)	21.90	MILE	1,100.00	\$24,090
R0101	811(01)	Surface and Roadway-Maintenance-Surface maintenance(Maintenance level 4 & 5, single lane)	7.42	MILE	500.00	\$3,708
R0104	813(01)	Surface and Roadway-Maintenance-Spot surfacing(5-20 mile haul)	312.63	MILE	50.00	\$14,196



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Special Program: N/A

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
R0104	813(01)	Surface and Roadway-Maintenance-Spot surfacing(> 20 mile haul)	25.97	MILE	586.00	\$15,219
R010501	814(01)	Surface and Roadway-Maintenance-Asphalt surface maintenance-Pothole patching(Excavate and patch)	45.56	MILE	1,000.00	\$45,564
R0106	832(01)	Surface and Roadway-Maintenance-Load, haul and place material (slide removal)(End haul)	1,176.54	MILE	100.00	\$114,530
R0106	832(01)	Surface and Roadway-Maintenance-Load, haul and place material (slide removal)(Side cast)	24.92	MILE	100.00	\$2,492
R020102	FP-301	Surface and Roadway-Construction-Surface-Crushed aggregate(< 4 inch)	300.00	SQ FT	3.00	\$900
R020102	FP-301	Surface and Roadway-Construction-Surface-Crushed aggregate(< 4 inch, single lane)	0.10	MILE	50,000.00	\$5,000
R020201	FP-211	Surface and Roadway-Construction-Prism-Decommission(Block road, water bar, pull pipes, pull unstable side cast, seed)	3.00	MILE	50,000.00	\$0
R020202	FP-204	Surface and Roadway-Construction-Prism-Reconstruction(Wash-out, fill repair)	256.73	MILE	100.00	\$23,943
T020102	FP-634	Signs and Traffic Control-Construction-Install new-Pavement marking(Fog lines)	0.20	MILE	16,000.00	\$3,200
T020103	872(03)	Signs and Traffic Control-Construction-Install new-Sign(Install / replace single post and sign)	522.73	EACH	100.00	\$51,173
V02	842(03)	Vegetation-Roadside removal(Maintenance level 2)	20.89	MILE	800.00	\$16,710
V02	842(02)	Vegetation-Roadside removal(Maintenance level 3)	227.20	MILE	800.00	\$175,838
V02	842(01)	Vegetation-Roadside removal(Maintenance level 4 & 5)	30.31	MILE	800.00	\$23,445
V0401	851(02)	Vegetation-Hazard removal-Logging out(Maintenance level 2)	7.83	MILE	200.00	\$1,566
V0401	851(01)	Vegetation-Hazard removal-Logging out(Maintenance level 3 - 5)	630.88	MILE	200.00	\$121,516
					Special Program Total	\$1,596,340
					Plan Total:	\$4,485,747



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Special Program: N/A

Task ID	Specification	Description	Qty	UOM	Local Unit Cost	Total Dollars Needed
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Plan Formulation Description

The Mt. Baker - Snoqualmie N.F. Road Maintenance Plan includes the Mt. Baker, Darrington, Skykomish, and Snoqualmie Ranger Districts. 7/20/2009. Plan includes the following BLI and available funding: North MBS: American Recovery & Reinvestment Act (ARRA) = \$300,000, CMRD = \$650,000, CMES = \$85,000, CMLG = \$12,000, SDRR = \$300,000, ERFO by FS Contract = \$414,463, ERFO by FHWA = \$489,000, HTAP = \$186,000, South MBS: CMRD = \$650,000, CMLG = \$12,000, SDRR = \$300,000, ERFO by FS Contract = \$1,581,246. Note that ARRA planned amount is more than the amount of work listed in RMP. Bridge installations can not be added to Infra Roads for RMP. This Road Maintenance Plan was developed based on priorities by maintenance level, then by category and priority. Roads subject to the Highway Safety Act standards of maintenance are funded before roads maintained for high clearance vehicles. Within these roads, activities that are categorized as Health and Safety are funded before those items that pertain to Forest Mission or Resource Management.

Prepared By: _____ Date: _____

Recommended By: _____ Date: _____
Forest Engineer

Approved By: _____ Date: _____
Forest Supervisor/District Ranger

Approved By: _____ Date: _____
District Ranger

Approved By: _____ Date: _____
District Ranger

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District Ranger

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District Ranger

Approved By: _____ Date: _____
District Ranger



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MBS-RMP-2009 - MBS NF ROAD MTCE PLAN FOR FY 2009 (10/01/2008-09/30/2009)

Sorted By

Sort by: Route ID, Task BMP/EMP

Notes

Tables Used: II_RTE_TASKS_V