APPENDIX F

TRANSPORTATION

FINAL

ENVIRONMENTAL IMPACT STATEMENT

SPRING CREEK PROJECT

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SECTION 1: DECOMMISSIONING, MAINTENANCE, MITIGATION, NEW CONSTRUCTION, AND RECONSTRUCTION, PROPOSALS & OPPORTUNITIES

This Transportation Appendix identifies the specific actions associated with each of the action alternatives. It is divided into five sections. All data was compiled via GIS or using the Spring Creek Roads Analysis Report.

This section lists in detail the site-specific proposals for each road segment. The descriptions that follow provide more explanation to the tables listing the proposals. Table 1 through Table 6 shows those activities proposed inside the Spring Creek Project boundary as well as those activities needing to occur outside the border. Proposals outside the project occurred because some roads network in and outside the project border. In some cases the entire road segment was proposed for treatment to save costs and utilizing the existing road system rather than building a new road.

Road Segment Identification – This column identifies the road segment. Roads beginning with an "FR" are typically Forest Service system roads; those with an "NS" are non-system roads; and those listed as "new construction segment" with a number following are the new corridor proposals. The notes column identifies which new FS road number the segment will become or be a part of.

System – The system column is based upon three broad categories: FR **(Forest Road)**, **M (Municipal)**, or **Other**. A **Forest Road** is defined in Title 23, Section 101 of the United States Code (23 U.S.C. 101), is any road wholly or partly within, or adjacent to, and serving the national forest system and which is necessary for the protection, administration, and utilization of the national forest system and the use and development of its resources. A **Municipal** could be a Pennsylvania state or township road. The **"Other"** category represents roads needed for Oil and Gas, or found on private land or on State Game Lands.

MA – This column refers to the Management Area the road segment is found within. A description of each Management area can be found in Chapter 1 of this Environmental Impact Statement. 'Private' includes all non-Forest Service land (which has no MA) in one broad category and includes the State Game Lands area for example. Where activity is proposed on these lands, we will work with the specific owner in implementing and designing the activity.

Road Decommissioning (Decom. Column in Table 1 through Table 6) – These are Activities that result in the stabilization and restoration of unneeded roads to a more natural state (36 CFR 212.1), (FSM 7703). A road can be decommissioned by applying one or more of the following treatments: 1) Reestablishing former drainage patterns, stabilizing slopes, and restoring vegetation (**Re-Vegetate**); 2) Blocking the entrance to a road (**Blocked**); installing water bars; 3) Removing culverts (**Removal**), reestablishing drainage-ways, removing unstable fills, pulling back road shoulders, and scattering slash on the roadbed; 4) Completely eliminating the roadbed by restoring natural contours (**Re-contour**) and slopes; or 5) Other methods designed to meet the specific conditions associated with the unneeded roads. Road decommission proposals are handled on a site-specific basis which determines whether a road segment receives one or part or all of the above treatments.

Road Maintenance (Maint. Column in Table 1 through Table 6) - The ongoing upkeep of a road necessary to retain or restore the road to the approved road management objective (FSM 7712.3). Maintenance activities consist of, but are not limited to spot surfacing, and/or replacement and reconditioning of the roadbed (grading and cleaning ditch lines and culverts). While this activity is ongoing and occurs without NEPA, it is shown here as both future deferred maintenance to maintain a

safe and accessible road system into the next decade and as an action that is needed to implement the silviculture, recreation, or wildlife proposals.

The **Mitigate** column refers to the need for a gate, to stabilize a stream or road bank, or change the surfacing of a road to lessen the effects of the road or activities which occur on the road.

New Road Construction (New Construction in the Table 1 through Table 6) – Technically, new road construction is an activity that results in the addition of forest classified or temporary road miles (36 CFR 212.1). Adding an OGM non-system road segment to our Forest Service road system results in addition of road miles which in turn has an effect on Forest Service Road density and road management. However, the columns in these tables refer to new road construction in the literal sense in that new corridors are being established either by building a road that did not presently exist or extending a road segment where one did not exist before. The Notes column identifies the segments and the road identification numbers that are new or to be extended.

Road Reconstruction (Re-construction in Table 1 through Table 6) is activity that results in the improvement or realignment of an existing classified road. Reconstruction can be further divided into Road Improvement (**Improve**) and Road Realignment (**Re-align**). Road Improvement is an activity that results in an increase of an existing road's traffic service level, expansion of its capacity, or a change in its original design function. Road Re-alignment is an activity that results in a new location of an existing road or portions of an existing road and treatment of the old roadway. The re-alignment segments are not separated out into individual segments but segments that are being re-aligned are listed in the Notes column. The Table also identifies those reconstruction activities associated with a Right-of-way (**ROW**) where we are working with adjacent landowners to upgrade and utilize their road segment.

Notes – This column provides additional information if necessary.

Data – For consistency, information is summarized in terms of miles of activity. In some cases, the table shows a 0.0 figure in the columns. Activity is occurring on that particular road segment but the amount is insignificant in terms of a mileage figure.

Additional Definitions:

Classified Road – Roads wholly or partially within or adjacent to National Forest System lands that are determined to be needed for long-term motor vehicle access, including State roads, county roads, privately owned roads, national Forest System roads, and other roads authorized by the Forest Service.

Unclassified Roads – Roads on National Forest System lands that are not managed as part of the forest transportation system, such as unplanned roads, abandoned travel ways, and off-road vehicle tracks that have not been designated and managed as a trail, and those roads that were once under permit or other authorization and were not decommissioned upon the termination of the authorization.

Information regarding a road's classification status is not repeated in this document but can be found in Appendix B of the Spring Creek Road Analysis Report.

*Note – There is no new construction segment #3. It was mistakenly omitted during the spreadsheet process.

Table 1: Alternative 2 - Activities Found within the Project Boundary

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
FR108	FR	3					0.00								0.00	
		6.1					0.21								0.21	
FR118	FR	3					0.32								0.32	
FR124	FR	3					3.51								3.51	
		Private					0.40								0.40	
FR124B	FR	3					0.28								0.28	
FR124F	FR	3					0.18								0.18	
FR124G	FR	3					0.15								0.15	
FR125A	FR	3					1.40								1.40	
FR130	FR	3					2.24								2.24	
		6.1					0.99								0.99	
		Private					0.16								0.16	
FR130A	FR	3					0.93								0.93	
FR130B	FR	3					0.89								0.89	
FR130E	FR	3		0.14			0.34								0.48	
FR131	FR	3					1.09								1.09	
		6.1					1.74								1.74	
		6.3					0.12								0.12	
		Private					0.32								0.32	
FR136	FR	1					0.35								0.35	
		3					0.05								0.05	
		6.1					1.02								1.02	
FR136J	FR	Private					0.01								0.01	
FR152	FR	Private					0.03								0.03	
FR157	FR	3					0.06								0.06	
		6.1					0.39								0.39	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
		6.3					0.14								0.14	
FR164	FR	3					0.88								0.88	
FR167	FR	6.1					0.35								0.35	
		Private					0.08								0.08	
FR184	FR	3					1.60								1.60	
FR184A	FR	3					0.25								0.25	
FR224	FR	3					1.72								1.72	
FR224A	FR	3					0.44								0.44	
FR225	FR	3					0.62								0.62	
FR225A	FR	3					0.11								0.11	
FR225AA	FR	3					0.04								0.04	
FR226	FR	3		0.19			1.09								1.28	
		6.1		0.23			0.51								0.74	
FR227	FR	3					4.90								4.90	
		6.1					1.29								1.29	
FR227C	FR	3										0.68			0.68	
FR227D	FR	3					0.52								0.52	
FR227Da	FR	3					0.14								0.14	
FR228	FR	3					1.08								1.08	
FR228B	FR	3					0.78								0.78	
FR230	FR	3					2.30								2.30	
FR231	FR	3					0.09								0.09	
FR232	FR	3					2.35								2.35	
FR232A	FR	3					0.78								0.78	
FR232B	FR	3					0.54								0.54	
FR232C	FR	3					0.61								0.61	
FR232D	FR	3					0.14								0.14	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
FR233	FR	3					0.26								0.26	
FR236	FR	3					0.86								0.86	
FR236A	FR	3					0.36								0.36	
FR329	FR	3					0.45								0.45	
FR335.1	FR	3					0.33								0.33	
FR335.2	FR	3					1.08	1							1.08	Move existing gate to intersection of FR 335 and FR 580.
FR336	FR	3					0.96	1							0.96	Install Gate
FR337	FR	3					1.52								1.52	
		Private					0.00								0.00	
FR337A	FR	3					1.20								1.20	
FR337B	FR	3					0.98								0.98	
FR338	FR	3					1.91								1.91	
FR338A	FR	3					0.73								0.73	
FR338B	FR	3					1.29								1.29	
FR339	FR	6.1					0.11								0.11	
FR342	FR	6.1					0.49								0.49	
		Private					0.11								0.11	
FR343	FR	3					0.83	1							0.83	Fix gate at end of FR343
		6.1					0.25								0.25	
		Private					0.00								0.00	
FR343C	FR	3					0.08								0.08	
FR343F	FR	3					0.25								0.25	
FR343G	FR	3						1		.22					0.22	Install Gate
		6.1								.06					0.06	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
FR343H	FR	3					0.08								0.08	
		Private					0.26								0.26	
FR355	FR	3			0.13		0.04								0.17	
FR356	FR	3					0.44								0.44	
FR381	FR	3		0.34			0.01								0.35	
		6.1		0.42											0.42	
		Private		0.02											0.02	
FR393	FR	1					0.45								0.45	
		3					0.00								0.00	
FR394	FR	3					1.87								1.87	
FR395	FR	3					3.42								3.42	
FR395A	FR	3					1.24								1.24	
FR395B	FR	3			0.44										0.44	
FR395C	FR	3					0.93								0.93	
FR395D	FR	3					0.37								0.37	
FR396	FR	3					1.52								1.52	
FR396A	FR	3					2.19								2.19	
FR401	FR	3					1.89								1.89	
		Private					0.26								0.26	
FR401A	FR	3					0.93								0.93	
FR401B	FR	3					0.68								0.68	
FR403	FR	3					2.00								2.00	
		6.1					0.49	1							.49	Move Gate 450 feet north of existing location
FR403A	FR	3					0.81								0.81	
FR404	FR	3					0.54								0.54	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
		6.1					2.26								2.26	
		Private					0.07								0.07	
FR404A	FR	6.1					0.33								0.33	
FR404B	FR	3					0.00								0.00	
		6.1					0.37								0.37	
FR442	FR	3					1.21								1.21	
		Private					0.14								0.14	
FR442A	FR	3					0.65								0.65	
FR442B	FR	3					0.41								0.41	
FR442C	FR	3					0.88	1							0.88	Install gate
FR445	FR	3					2.40								2.40	
FR491	FR	3					1.72								1.72	
		Private					0.22								0.22	
FR502	FR	3					1.46								1.46	
FR541	FR	3					0.77								0.77	
FR559	FR	1					0.08								0.08	
FR580	FR	3					3.84								3.84	
FR580A	FR	3					0.41								0.41	
FR581	FR	3					1.07								1.07	
FR581A	FR	3					0.52								0.52	
FR581B	FR	3					0.26								0.26	
FR584	FR	3					2.21								2.21	
FR632	FR	3					0.06								0.06	
FR661	FR	3					0.62								0.62	
FR735	FR	3					0.49								0.49	
FR746	FR	3					0.63								0.63	
FR755	FR	3					0.67								0.67	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
		Private					0.14								0.14	
FR756	FR	3					0.19								0.19	
FR757	FR	3					1.03								1.03	
FR774	FR	3					1.55	1							1.55	Install gate last 0.25 miles of road
FR774A	FR	3					0.53								0.53	
FR775	FR	1		0.02			0.43								0.45	
		3		0.28											0.28	
		6.1		0.00											0.00	
FR830	FR	3					0.16								0.16	
FR830A	FR	3					0.20								0.20	
FR830B	FR	3					0.12								0.12	
FR832	FR	3					0.29								0.29	
FR840	FR	3					0.36								0.36	
FR840A	FR	3					0.22								0.22	
FR840B	FR	3					0.26								0.26	
FR849	FR	6.1					0.11								0.11	
New Construct Segment 1		3									0.32				0.32	FR338Ab New Construction and adding a Non-System Road
New Construct Segment 2		3									0.19				0.19	FR445A Extended; Road created by this construction activity and adding a Non-System Road

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
New Construct Segment 4		3									0.35				0.35	FR224 Extended by Construction
New Construct Segment 5		3									0.71				0.71	FR224A Extended by Construction
New Construct Segment 6		3									0.32				0.32	FR124B Extended by Construction
New Construct Segment 7		3									0.35				0.35	FR403A Extended by Construction
New Construct Segment 8		3									0.42				0.42	FR131B Extended; Road created by this construction activity and addition a non-System Road
		6.1						1			0.13				0.13	FR131B Extended; Road created by this construction activity and addition a non-System Road. Install gate at entrance.
New Construct Segment 9		3									0.41				0.41	FR226A New
		6.1									0.04				0.04	FR226A New

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
New Construct Segment 10		1									0.54				0.54	FR559 Extended by Construction
New Construct Segment 11		3									0.20				0.20	FR227D Extended by Construction
New Construct Segment 12		3									0.38				0.38	FR227Da Extended by Construction
New Construct Segment 13		3						1			0.59				0.59	FR227E New. Install gate
New Construct Segment 14		3						1			0.25				0.25	FR227B Extended; Road created by this construction activity and addition of a non-System Road. Install gate
New Construct Segment 15		3									0.38				0.38	Becomes FR184A Extended
NS13305	Other	3										0.18			0.18	Becomes FR445A
	Other	3				0.16									0.16	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
NS13309	Other	3		0.19											0.19	
NS13331	Other	3			0.31										0.31	
NS13398	Other	3				0.28									0.28	
NS13399	Other	3			0.13										0.13	
NS13426	Other	6.1								0.07					0.07	
		Private								0.06					0.06	
NS13483	Other	3				0.21									0.21	
NS21315	Other	3			0.50										0.50	
NS21316	Other	3			0.05										0.05	
NS22082	Other	3			0.21										0.21	
NS22122	Other	3										0.08			0.08	Becomes FR338Ab
NS22130	Other	3						1				0.21			0.21	Becomes FR125. Install gate
NS22132	Other	3										0.04			0.04	Becomes FR125
NS22133	Other	3							0.04						0.04	
NS22239	Other	3						1				0.37			0.37	Becomes FR124E. Install gate
NS22240	Other	3										0.20			0.20	Becomes FR124E
NS22314	Other	3		0.20											0.20	
NS22344	Other	3		0.09											0.09	
NS22346	Other	3				0.30									0.30	
NS22347	Other	3				0.26									0.26	
NS22349	Other	3		0.02											0.02	
NS22350	Other	3		0.19											0.19	
NS22369	Other	3			0.11										0.11	
NS22372	Other	3			0.09										0.09	
NS22373	Other	3			0.04										0.04	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
NS22374	Other	3			0.10										0.10	
NS22379	Other	3		0.05											0.05	
NS22573	Other	3										0.14			0.14	Becomes FR230C
NS22578	Other	3										0.45			0.45	Becomes FR228B
NS22779	Other	3										0.03			0.03	Becomes FR 125Ab
NS22780	Other	3										0.19			0.19	Becomes FR 125Ac
NS22781	Other	3										0.20			0.20	Becomes FR 125A
NS22787	Other	3		0.27											0.27	
NS23535	Other	3			0.16										0.16	
NS23648	Other	3	0.67												0.67	
		6.1	0.41												0.41	
	Other	3			0.12										0.12	
		6.1			0.39										0.39	
NS23690	Other	3						1				0.26			0.26	Becomes FR 125A
NS23755	Other	3		0.20											0.20	
NS23756	Other	3		0.09											0.09	
NS22768	Other	3						1				0.70			0.70	Becomes FR 125A
NS23912	Other	3										0.01			0.01	Becomes FR343J
NS23919	Other	3										0.13			0.13	Becomes FR124A
NS23920	Other	3										0.15			0.15	Becomes FR124A
NS23929	Other	3		0.14											0.14	
		6.1		0.21											0.21	
NS23965	Other	3		0.32											0.32	
NS24133	Other	3		0.25											0.25	
NS24596	Other	3										0.34			0.34	Becomes FR343
NS24609	Other	3										0.48			0.48	Becomes FR442C
NS24610	Other	3		0.39								0.07			0.46	Becomes FR442C

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
NS24818	Other	3										0.27			0.27	Becomes FR343J
NS24819	Other	3										0.25			0.25	Becomes FR343J
NS24855	Other	3										0.01			0.01	Becomes FR343
NS24856	Other	3						1				0.06			0.06	Becomes FR343. Install gate at entrance
		Private										0.00			0.00	Becomes FR343
NS24866	Other	3										0.06			0.06	Becomes FR343
		Private										0.11			0.11	Becomes FR343
NS24867	Other	Private										0.10			0.10	Becomes FR343
NS24905	Other	3										0.18			0.18	Becomes FR343Ja
NS25009	Other	3										0.21			0.21	Becomes FR227B
NS25010	Other	3										0.24			0.24	Becomes FR227B
NS25022	Other	6.1		0.13											0.13	
NS25023	Other	3										0.34			0.34	Becomes FR227B
NS25025	Other	3										0.12			0.12	Becomes FR124C
NS25027	Other	3				0.26									0.26	
NS25028	Other	3		0.20											0.20	
NS25029	Other	3										0.10			0.10	Becomes FR124C
NS25049	Other	3	0.29												0.29	
NS25119	Other	3			0.37										0.37	
NS25120	Other	3			0.40										0.40	
NS25121	Other	3			0.05										0.05	
NS25124	Other	3		0.15											0.15	
NS25125	Other	3		0.09											0.09	
NS25126	Other	3		0.33											0.33	
NS25153	Other	3		0.29											0.29	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
NS25259	Other	3		0.10											0.10	
NS25587	Other	3										0.52			0.52	Becomes FR383B.
		Private										0.01		0.11	0.12	Becomes FR383B
NS26133	Other	3				0.27									0.27	
NS26173	Other	3		0.39											0.39	
NS26203	Other	6.1								0.05					0.05	
		Private								0.02					0.02	
NS26323	Other	3				0.04									0.04	
NS26411	Other	3		0.14											0.14	
NS26433	Other	3		0.20											0.20	
NS26660	Other	3		0.43	0.22										0.65	
NS26661	Other	3			0.22										0.22	
NS26686	Other	3		0.11								0.42			0.54	Becomes FR383Bb
NS26687	Other	3			0.04										0.04	
NS26688	Other	3										0.01			0.01	Becomes FR383Bb
NS26692	Other	3										0.13			0.13	Becomes FR383B
		6.1										0.01			0.01	Becomes FR383B
NS26693	Other	3										0.13			0.13	Becomes FR383B
NS26786	Other	3			0.10										0.10	
NS26792	Other	3			0.00							0.13			0.13	Becomes FR581C
NS26794	Other	3										0.28			0.28	Becomes FR581C
NS26795	Other	3		0.16											0.16	
NS26796	Other	3			0.15										0.15	
NS26797	Other	3			0.16										0.16	
NS26800	Other	3			0.16										0.16	
NS26801	Other	3		0.20											0.20	
NS26802	Other	3		0.19											0.19	

A2 -Inside			Decommission					Mitigate				Re-construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-contour	Re-Vegetate	Maintenance	Gate	Stabilize Bank	Surface Armour	New Construction	Improve	Re-Align	ROW	Total	Notes
NS26803	Other	3			0.10										0.10	
NS26806	Other	3			0.18										0.18	
NS26807	Other	3			0.08										0.08	
NS26808	Other	3			0.19										0.19	
NS26809	Other	3		0.66											0.66	
NS26810	Other	3			0.11										0.11	
NS26811	Other	3			0.13										0.13	
NS26812	Other	3		0.05											0.05	
NS26814	Other	3		0.40											0.40	
NS26816	Other	3		0.12											0.12	
		6.1		0.00											0.00	
NS26846	Other	6.1		0.06											0.06	
NS26849	Other	3		0.48											0.48	
NS26851	Other	3			0.35										0.35	
NS3379	Other	6.1				0.15						0.52			0.67	Becomes FR131B
NS3380	Other	3			0.21										0.21	
NS3527	Other	3			0.66							0.24			0.90	Becomes FR383Bb
NS3529	Other	3		0.12											0.12	
NS4653	Other	3			0.14										0.14	
NS4654	Other	3		0.53											0.53	
NS6349	Other	3			0.45										0.45	
NS6355	Other	3			0.05										0.05	
Re-Align Segment Totals		3,6.1											1.22		1.22	Becomes part of R442C, FR124C, FR131B, FR383B

Table 2: Alternative 2 - Activities Found Outside the Project Boundary

A2-Outside			Decom.				Reconstruction					
Road Segment Identification	System	Management Area	Removal	Re-contour	Maintenance.	New Construction	Improve	Re-Align	ROW	Gate	Total	Notes
FR118	FR	3			0.06						0.06	
FR136	FR	1			2.15						2.15	
		3			0.41						0.41	
		6.1			0.53						0.53	
		Private			0.07						0.07	
FR136J	FR	3			0.25						0.25	
		Private			0.13						0.13	
FR152	FR	3			0.00						0.00	
		Private			0.05						0.05	
FR157	FR	6.3			0.02						0.02	
FR167	FR	Private			0.10						0.10	
FR226	FR	3			1.73						1.73	
		6.1			0.58						0.58	
FR228	FR	3			2.43						2.43	
		Private			0.00						0.00	
FR231	FR	3			0.03						0.03	
FR234	FR	3			0.01						0.01	
FR329	FR	3			0.01						0.01	
FR338	FR	3			0.11						0.11	
FR339	FR	6.1			0.03						0.03	
FR343	FR	3			2.12						2.12	
		Private			0.00						0.00	
FR343.3	FR	3			0.02						0.02	

A2-Outside			Decom.				Reconstruction					
Road Segment Identification	System	Management Area	Removal	Re-contour	Maintenance.	New Construction	Improve	Re-Align	ROW	Gate	Total	Notes
FR343C	FR	3			0.15						0.15	
FR344	FR	3			0.01						0.01	
FR344C	FR	3			0.01						0.01	
FR382	FR	Private			0.00						0.00	
FR383	FR	3			0.37						0.37	
		Private			0.71						0.71	
FR393	FR	1			0.02						0.02	
FR442	FR	3			0.10						0.10	
FR559	FR	1			0.72						0.72	
FR581	FR	3			0.20						0.20	
		Private			0.01						0.01	
FR582	FR	3			0.00						0.00	
FR632	FR	3			0.02						0.02	
FR755	FR	3			0.03						0.03	
New Construct Segment 10		1				0.54					0.54	FR559 Extended by Construction
New Construct Segment 9		3				0.08					0.08	FR226A New
		6.1				0.10				1	0.10	FR226A New. Install gate at entrance
NS13309	Other	3	0.01								0.01	
NS23912	Other	3					0.27				0.27	Becomes FR343J
NS23929	Other	3	0.01								0.01	
NS24866	Other	Private					0.12				0.12	Becomes FR343
NS24867	Other	Private					0.00				0.00	Becomes FR343
NS25587	Other	3					0.46		0.09		0.55	Becomes FR383B.

A2-Outside			Decom.				Reconstruction					
Road Segment Identification	System	Management Area	Removal	Re-contour	Maintenance.	New Construction	Improve	Re-Align	ROW	Gate	Total	Notes
										1		Install gate to protect pvt. landowner
		Private					0.00		0.22		0.22	Becomes FR383B
NS26516	Other	3		0.08							0.08	
NS26688	Other	3					0.10				0.10	Becomes FR383Bb
NS26785	Other	3		0.26							0.26	
NS26786	Other	3		0.24							0.24	
NS26792	Other	3		0.06							0.06	
Re-Align Segments		3						0.10		1	0.10	FR581C. Install gate at entrance

Table 3: Alternative 3 - Activities Found Within the Project Boundary

Note: This Alternative has No New road construction Activity

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
FR108	FR	3					0.00						0.00	
		6.1					0.21						0.21	
FR118	FR	3					0.32						0.32	
FR124	FR	3					3.51						3.51	
		Private					0.40						0.40	
FR124B	FR	3					0.28						0.28	
FR124F	FR	3					0.18						0.18	
FR124G	FR	3					0.15						0.15	
FR125A	FR	3					1.40						1.40	
FR130	FR	3					2.24						2.24	
		6.1					0.99						0.99	
		Private					0.16						0.16	
FR130A	FR	3					0.93						0.93	
FR130B	FR	3					0.89						0.89	
FR130E	FR	3		0.14			0.34						0.48	
FR131	FR	3					1.09						1.09	
		6.1					1.74						1.74	
		6.3					0.12						0.12	
		Private					0.32						0.32	
FR136	FR	1					0.35						0.35	
		3					0.05						0.05	
		6.1					1.02						1.02	
FR136J	FR	Private					0.01						0.01	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
FR152	FR	Private					0.03						0.03	
FR157	FR	3					0.06						0.06	
		6.1					0.39						0.39	
		6.3					0.14						0.14	
FR164	FR	3					0.88						0.88	
FR167	FR	6.1					0.35						0.35	
		Private					0.08						0.08	
FR184	FR	3					1.60						1.60	
FR184A	FR	3					0.25						0.25	
FR224	FR	3					1.72						1.72	
FR224A	FR	3					0.44						0.44	
FR225	FR	3					0.62						0.62	
FR225A	FR	3					0.11						0.11	
FR225AA	FR	3					0.04						0.04	
FR226	FR	3		0.19			1.09						1.28	
		6.1		0.23			0.51						0.74	
FR227	FR	3					4.90						4.90	
		6.1					1.29						1.29	
FR227C	FR	3								0.68			0.68	
FR227D	FR	3					0.52						0.52	
FR227Da	FR	3					0.14						0.14	
FR228	FR	3					1.08						1.08	
FR228B	FR	3					0.78						0.78	
FR230	FR	3					2.30						2.30	
FR231	FR	3					0.09						0.09	
FR232	FR	3					2.35						2.35	
FR232A	FR	3					0.78						0.78	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
FR232B	FR	3					0.54						0.54	
FR232C	FR	3					0.61						0.61	
FR232D	FR	3					0.14						0.14	
FR233	FR	3					0.26						0.26	
FR236	FR	3					0.86						0.86	
FR236A	FR	3					0.36						0.36	
FR329	FR	3					0.45						0.45	
FR335.1	FR	3					0.33						0.33	
FR335.2	FR	3					1.08	1					1.08	Move existing gate to intersection of FR 335 and FR 580
FR336	FR	3					0.96	1					0.96	Install gate
FR337	FR	3					1.52						1.52	
		Private					0.00						0.00	
FR337A	FR	3					1.20						1.20	
FR337B	FR	3					0.98						0.98	
FR338	FR	3					1.91						1.91	
FR338A	FR	3					0.73						0.73	
FR338B	FR	3					1.29						1.29	
FR339	FR	6.1					0.11						0.11	
FR342	FR	6.1					0.49						0.49	
		Private					0.11						0.11	
FR343	FR	3					0.83	1					0.83	Fix gate at end of FR 343
		6.1					0.25						0.25	
		Private					0.00						0.00	
FR343C	FR	3					0.08						0.08	
FR343F	FR	3					0.25						0.25	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
FR343G	FR	3						1	0.22				0.22	Install gate
		6.1							0.06				0.06	
FR343H	FR	3					0.08						0.08	
		Private					0.26						0.26	
FR355	FR	3			0.13		0.04						0.17	
FR356	FR	3					0.44						0.44	
FR381	FR	3		0.34			0.01						0.35	
		6.1		0.42									0.42	
		Private		0.02									0.02	
FR393	FR	1					0.45						0.45	
		3					0.00						0.00	
FR394	FR	3					1.87						1.87	
FR395	FR	3					3.42						3.42	
FR395A	FR	3					1.24						1.24	
FR395B	FR	3			0.44								0.44	
FR395C	FR	3					0.93						0.93	
FR395D	FR	3					0.37						0.37	
FR396	FR	3					1.52						1.52	
FR396A	FR	3					2.19						2.19	
FR401	FR	3					1.89						1.89	
		Private					0.26						0.26	
FR401A	FR	3					0.93						0.93	
FR401B	FR	3					0.68						0.68	
FR403	FR	3					2.00	1					2.00	Move gate 450 feet north of existing location
		6.1					0.49						0.49	
FR403A	FR	3					0.81						0.81	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
FR404	FR	3					0.54						0.54	
		6.1					2.26						2.26	
		Private					0.07						0.07	
FR404A	FR	6.1					0.33						0.33	
FR404B	FR	3					0.00						0.00	
		6.1					0.37						0.37	
FR442	FR	3					1.21						1.21	
		Private					0.14						0.14	
FR442A	FR	3					0.65						0.65	
FR442B	FR	3					0.41						0.41	
FR442C	FR	3					0.88	1					0.88	Install Gate
FR445	FR	3					2.40						2.40	
FR491	FR	3					1.72						1.72	
		Private					0.22						0.22	
FR502	FR	3					1.46						1.46	
FR541	FR	3					0.77						0.77	
FR559	FR	1					0.08						0.08	
FR580	FR	3					3.84						3.84	
FR580A	FR	3					0.41						0.41	
FR581	FR	3					1.07						1.07	
FR581A	FR	3					0.52						0.52	
FR581B	FR	3					0.26						0.26	
FR584	FR	3					2.21						2.21	
FR632	FR	3					0.06						0.06	
FR661	FR	3					0.62						0.62	
FR735	FR	3					0.49						0.49	
FR746	FR	3					0.63						0.63	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
FR755	FR	3					0.67						0.67	
		Private					0.14						0.14	
FR756	FR	3					0.19						0.19	
FR757	FR	3					1.03						1.03	
FR774	FR	3					1.55	1					1.55	Install gate last 0.25 miles of road
FR774A	FR	3					0.53						0.53	
FR775	FR	1					0.43						0.43	
FR830	FR	3					0.16						0.16	
FR830A	FR	3					0.20						0.20	
FR830B	FR	3					0.12						0.12	
FR832	FR	3					0.29						0.29	
FR840	FR	3					0.36						0.36	
FR840A	FR	3					0.22						0.22	
FR840B	FR	3					0.26						0.26	
FR849	FR	6.1					0.11						0.11	
NS13305	Other	3				0.34							0.34	
NS13309	Other	3		0.19									0.19	
NS13331	Other	3			0.31								0.31	
NS13398	Other	3				0.28							0.28	
NS13399	Other	3			0.13								0.13	
NS13426	Other	6.1							0.07				0.07	
		Private							0.06				0.06	
NS13483	Other	3				0.21							0.21	
NS21315	Other	3			0.50								0.50	
NS21316	Other	3			0.05								0.05	
NS22082	Other	3			0.21								0.21	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
NS22130	Other	3						1		0.21			0.21	Becomes FR125. Install gate
NS22132	Other	3								0.04			0.04	Becomes FR125
NS22239	Other	3						1		0.37			0.37	Becomes FR124E. Install gate.
NS22314	Other	3		0.20									0.20	
NS22344	Other	3		0.09									0.09	
NS22346	Other	3				0.30							0.30	
NS22347	Other	3				0.26							0.26	
NS22350	Other	3		0.19									0.19	
NS22369	Other	3								0.11			0.11	Becomes FR 227B
NS22372	Other	3			0.09								0.09	
NS22373	Other	3			0.04								0.04	
NS22374	Other	3			0.10								0.10	
NS22379	Other	3		0.05									0.05	
NS22573	Other	3								0.14			0.14	Becomes FR230C
NS22578	Other	3								0.45			0.45	Becomes FR228B
NS22779	Other	3								0.03			0.03	Becomes FR125Ab
NS22780	Other	3								0.19			0.19	Becomes FR125Ac
NS22781	Other	3								0.20			0.20	Becomes FR125A
NS22787	Other	3		0.27									0.27	
NS23648	Other	3	0.67		0.12								0.79	
		6.1	0.41		0.39								0.80	
NS23690	Other	3						1		0.26			0.26	Becomes FR125A
NS23756	Other	3		0.09									0.09	
NS23768	Other	3								0.70			0.70	Becomes FR125A
NS23912	Other	3								0.01			0.01	Becomes FR343J

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
NS23919	Other	3								0.13			0.13	Becomes FR124A
NS23920	Other	3								0.15			0.15	Becomes FR124A
NS23965	Other	3		0.32									0.32	
NS24133	Other	3		0.25									0.25	
NS24596	Other	3								0.34			0.34	Becomes FR343
NS24609	Other	3								0.48			0.48	Becomes FR442C
NS24610	Other	3		0.39						0.07			0.46	Becomes FR442C
NS24818	Other	3								0.27			0.27	Becomes FR343J
NS24819	Other	3								0.25			0.25	Becomes FR343J
NS24856	Other	3						1		0.06			0.06	Becomes FR343. install gate at entrance
		Private								0.00			0.00	Becomes FR343
NS24866	Other	3								0.06			0.06	Becomes FR343
		Private								0.11			0.11	Becomes FR343
NS24867	Other	Private								0.10			0.10	Becomes FR343
NS25009	Other	3								0.21			0.21	Becomes FR227B
NS25010	Other	3			0.24								0.24	
NS25022	Other	6.1		0.13									0.13	
NS25023	Other	3			0.34								0.34	
NS25025	Other	3								0.12			0.12	Becomes FR124C
NS25027	Other	3				0.26							0.26	
NS25028	Other	3		0.20									0.20	
NS25029	Other	3								0.10			0.10	Becomes FR124C
NS25049	Other	3	0.29										0.29	
NS25119	Other	3			0.37								0.37	
NS25120	Other	3			0.40								0.40	
NS25121	Other	3			0.05								0.05	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
NS25124	Other	3		0.15									0.15	
NS25125	Other	3		0.09									0.09	
NS25126	Other	3		0.33									0.33	
NS25153	Other	3		0.29									0.29	
NS25259	Other	3		0.10									0.10	
NS25587	Other	3								0.52			0.52	Becomes FR383B
		Private								0.01		0.11	0.12	Becomes FR383B
NS26133	Other	3				0.27							0.27	
NS26173	Other	3		0.39									0.39	
NS26203	Other	6.1							0.05				0.05	
		Private							0.02				0.02	
NS26411	Other	3		0.14									0.14	
NS26433	Other	3		0.20									0.20	
NS26660	Other	3		0.43	0.22								0.65	
NS26661	Other	3			0.22								0.22	
NS26686	Other	3		0.11						0.42			0.54	Becomes FR383Bb
NS26687	Other	3			0.04								0.04	
NS26688	Other	3								0.01			0.01	Becomes FR383Bb
NS26692	Other	3								0.13			0.13	Becomes FR383B
		6.1								0.01			0.01	Becomes FR383B
NS26693	Other	3								0.13			0.13	Becomes FR383B
NS26786	Other	3			0.10								0.10	
NS26792	Other	3			0.00					0.13			0.13	Becomes FR581C
NS26794	Other	3								0.28			0.28	Becomes FR581C
NS26795	Other	3		0.16									0.16	
NS26796	Other	3			0.15								0.15	
NS26797	Other	3			0.16								0.16	

A3-Inside			Decommission					Mitigate		Re-Construction				
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	Improve	Re-Align	ROW	Total	Notes
NS26800	Other	3			0.16								0.16	
NS26801	Other	3		0.20									0.20	
NS26802	Other	3		0.19									0.19	
NS26803	Other	3			0.10								0.10	
NS26806	Other	3			0.18								0.18	
NS26807	Other	3			0.08								0.08	
NS26808	Other	3			0.19								0.19	
NS26809	Other	3		0.66									0.66	
NS26810	Other	3			0.11								0.11	
NS26811	Other	3			0.13								0.13	
NS26812	Other	3		0.05									0.05	
NS26814	Other	3		0.40									0.40	
NS26816	Other	3		0.12									0.12	
		6.1		0.00									0.00	
NS26846	Other	6.1		0.06									0.06	
NS26849	Other	3		0.48									0.48	
NS26851	Other	3			0.35								0.35	
NS3527	Other	3			0.66					0.24			0.90	Becomes FR383Bb
NS3529	Other	3		0.12									0.12	
NS3380	Other	3			0.21								0.21	
NS4653	Other	3			0.14								0.14	
NS4654	Other	3		0.53									0.53	
NS6349	Other	3			0.45								0.45	
NS6355	Other	3			0.05								0.05	
Re-Alignment Segments		3									0.84		.84	Becomes a part of FR442C, FR383B, FR124C

Table 4: Alternative 3 - Activities Found Outside the Project Boundary

A3--Outside			Decommission.			Re-Construction					
Road Segment Identification	System	Management Area	Removal	Re-Contour	Maintenance	Improve	Re-Align	ROW	Gate	Total	Notes
FR118	FR	3			0.06					0.06	
FR136	FR	1			2.15					2.15	
		3			0.41					0.41	
		6.1			0.53					0.53	
		Private			0.07					0.07	
FR136J	FR	3			0.25					0.25	
		Private			0.13					0.13	
FR152	FR	3			0.00					0.00	
		Private			0.05					0.05	
FR157	FR	6.3			0.02					0.02	
FR167	FR	Private			0.10					0.10	
FR226	FR	3			1.73					1.73	
		6.1			0.58					0.58	
FR228	FR	3			2.43					2.43	
		Private			0.00					0.00	
FR231	FR	3			0.03					0.03	
FR234	FR	3			0.01					0.01	
FR329	FR	3			0.01					0.01	
FR338	FR	3			0.11					0.11	
FR339	FR	6.1			0.03					0.03	
FR343	FR	3			2.12					2.12	
		Private			0.00					0.00	
FR343.3	FR	3			0.02					0.02	
FR343C	FR	3			0.15					0.15	
FR344	FR	3			0.01					0.01	
FR344C	FR	3			0.01					0.01	

A3--Outside			Decommission.			Re-Construction					
Road Segment Identification	System	Management Area	Removal	Re-Contour	Maintenance	Improve	Re-Align	ROW	Gate	Total	Notes
FR382	FR	Private			0.00					0.00	
FR383	FR	3			0.37					0.37	
		Private			0.71					0.71	
FR393	FR	1			0.02					0.02	
FR442	FR	3			0.10					0.10	
FR559	FR	1			0.72					0.72	
FR581	FR	3			0.20					0.20	
		Private			0.01					0.01	
FR582	FR	3			0.00					0.00	
FR632	FR	3			0.02					0.02	
FR755	FR	3			0.03					0.03	
NS13309	Other	3	0.01							0.01	
NS23912	Other	3				0.27				0.27	Becomes FR343J
NS24866	Other	Private				0.12				0.12	Becomes FR343
NS24867	Other	Private				0.00				0.00	Becomes FR343
NS25587	Other	3				0.46		0.09	1	0.55	Becomes FR383B. Install gate to protect pvt landowner
		Private				0.00		0.22		0.22	Becomes FR383B
NS26516	Other	3		0.08						0.08	
NS26688	Other	3				0.10				0.10	Becomes FR383Bb
NS26785	Other	3		0.26						0.26	
NS26786	Other	3		0.24						0.24	
NS26792	Other	3		0.06						0.06	
Re-Alignment Segments		3					0.10		1	0.10	Becomes a part of FR581C. Install gate at entrance.

Table 5: Alternative 4 - Activities Found Within the Project Boundary

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
FR108	FR	3					0.00						0.00	
		6.1					0.21						0.21	
FR118	FR	3					0.32						0.32	
FR124	FR	3					3.51						3.51	
		Private					0.40						0.40	
FR124B	FR	3					0.28						0.28	
FR124F	FR	3					0.18						0.18	
FR124G	FR	3					0.15						0.15	
FR125A	FR	3					1.40						1.40	
FR130	FR	3					2.24						2.24	
		6.1					0.99						0.99	
		Private					0.16						0.16	
FR130A	FR	3					0.93						0.93	
FR130B	FR	3					0.89						0.89	
FR130E	FR	3		0.14			0.34						0.48	
FR131	FR	3					1.09						1.09	
		6.1					1.74						1.74	
		6.3					0.12						0.12	
		Private					0.32						0.32	
FR136	FR	1					0.35						0.35	
		3					0.05						0.05	
		6.1					1.02						1.02	
FR136J	FR	Private					0.01						0.01	
FR152	FR	Private					0.03						0.03	
FR157	FR	3					0.06						0.06	
		6.1					0.39						0.39	

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
		6.3					0.14						0.14	
FR164	FR	3					0.88						0.88	
FR167	FR	6.1					0.35						0.35	
		Private					0.08						0.08	
FR184	FR	3					1.60						1.60	
FR184A	FR	3					0.25						0.25	
FR224	FR	3					1.72						1.72	
FR224A	FR	3					0.44						0.44	
FR225	FR	3					0.62						0.62	
FR225A	FR	3					0.11						0.11	
FR225AA	FR	3					0.04						0.04	
FR226	FR	3		0.19			1.09						1.28	
		6.1		0.23			0.51						0.74	
FR227	FR	3					4.90						4.90	
		6.1					1.29						1.29	
FR227C	FR	3									0.68		0.68	
FR227D	FR	3					0.52						0.52	
FR227Da	FR	3					0.14						0.14	
FR228	FR	3					1.08						1.08	
FR228B	FR	3					0.78						0.78	
FR230	FR	3					2.30						2.30	
FR231	FR	3					0.09						0.09	
FR232	FR	3					2.35						2.35	
FR232A	FR	3					0.78						0.78	
FR232B	FR	3					0.54						0.54	
FR232C	FR	3					0.61						0.61	
FR232D	FR	3					0.14						0.14	

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
FR233	FR	3					0.26						0.26	
FR236	FR	3					0.86						0.86	
FR236A	FR	3					0.36						0.36	
FR329	FR	3					0.45						0.45	
FR335.1	FR	3					0.33						0.33	
FR335.2	FR	3					1.08	1					1.08	Move existing gate to intersection of FR 335 and FR 580
FR336	FR	3					0.96	1					0.96	Install gate
FR337	FR	3					1.52						1.52	
		Private					0.00						0.00	
FR337A	FR	3					1.20						1.20	
FR337B	FR	3					0.98						0.98	
FR338	FR	3					1.91						1.91	
FR338A	FR	3					0.73						0.73	
FR338B	FR	3					1.29						1.29	
FR339	FR	6.1					0.11						0.11	
FR342	FR	6.1					0.49						0.49	
		Private					0.11						0.11	
FR343	FR	3					0.83	1					0.83	Fix gate at end of FR 343
		6.1					0.25						0.25	
		Private					0.00						0.00	
FR343C	FR	3					0.08						0.08	
FR343F	FR	3					0.25						0.25	
FR343G	FR	3						1	0.22				0.22	Install gate
		6.1							0.06				0.06	
FR343H	FR	3					0.08						0.08	

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
		Private					0.26						0.26	
FR355	FR	3			0.13		0.04						0.17	
FR356	FR	3					0.44						0.44	
FR381	FR	3					0.01						0.01	
FR393	FR	1					0.45						0.45	
		3					0.00						0.00	
FR394	FR	3					1.87						1.87	
FR395	FR	3					3.42						3.42	
FR395A	FR	3					1.24						1.24	
FR395B	FR	3			0.44								0.44	
FR395C	FR	3					0.93						0.93	
FR395D	FR	3					0.37						0.37	
FR396	FR	3					1.52						1.52	
FR396A	FR	3					2.19						2.19	
FR401	FR	3					1.89						1.89	
		Private					0.26						0.26	
FR401A	FR	3					0.93						0.93	
FR401B	FR	3					0.68						0.68	
FR403	FR	3					2.00						2.00	
		6.1					0.49	1					0.49	Move gate 450 feet north of existing location
FR403A	FR	3					0.81						0.81	
FR404	FR	3					0.54						0.54	
		6.1					2.26						2.26	
		Private					0.07						0.07	
FR404A	FR	6.1					0.33						0.33	
FR404B	FR	3					0.00						0.00	

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
		6.1					0.37						0.37	
FR442	FR	3					1.21						1.21	
		Private					0.14						0.14	
FR442A	FR	3					0.65						0.65	
FR442B	FR	3					0.41						0.41	
FR442C	FR	3					0.88	1					0.88	Install gate at entrance
FR445	FR	3					2.40						2.40	
FR491	FR	3					1.72						1.72	
		Private					0.22						0.22	
FR502	FR	3					1.46						1.46	
FR541	FR	3					0.77						0.77	
FR559	FR	1					0.08						0.08	
FR580	FR	3					3.84						3.84	
FR580A	FR	3					0.41						0.41	
FR581	FR	3					1.07						1.07	
FR581A	FR	3					0.52						0.52	
FR581B	FR	3					0.26						0.26	
FR584	FR	3					2.21						2.21	
FR632	FR	3					0.06						0.06	
FR661	FR	3					0.62						0.62	
FR735	FR	3					0.49						0.49	
FR746	FR	3					0.63						0.63	
FR755	FR	3					0.67						0.67	
		Private					0.14						0.14	
FR756	FR	3					0.19						0.19	
FR757	FR	3					1.03						1.03	
FR774	FR	3					1.55	1					1.55	Install gate last 0.25 miles of road

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
FR774A	FR	3					0.53						0.53	
FR775	FR	1		0.02			0.43						0.45	
		3		0.28									0.28	
		6.1		0.00									0.00	
FR830	FR	3					0.16						0.16	
FR830A	FR	3					0.20						0.20	
FR830B	FR	3					0.12						0.12	
FR832	FR	3					0.29						0.29	
FR840	FR	3					0.36						0.36	
FR840A	FR	3					0.22						0.22	
FR840B	FR	3					0.26						0.26	
FR849	FR	6.1					0.11						0.11	
New Construct Segment 1		3								0.32			0.32	FR338Ab New
New Construct Segment 2		3								0.19			0.19	FR445A Extended; Road created by this construction activity and adding a Non-System Road
New Construct Segment 4		3								0.35			0.35	FR224 Extended by Construction
New Construct Segment 7		3								0.35			0.35	FR403A Extended by Construction
New Construct Segment 9		3								0.41			0.41	FR226A New
		6.1								0.04			0.04	FR226A New
New Construct Segment 10		1								0.54			0.54	FR559 Extended by Construction

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
New Construct Segment 12		3								0.38			0.38	FR227Da Extended by Construction
New Construct Segment 15		3								0.38			0.38	FR184A Extended by Construction
NS13305	Other	3				0.16					0.18		0.34	Becomes FR445A
NS13309	Other	3		0.19									0.19	
NS13331	Other	3			0.31								0.31	
NS13398	Other	3				0.28							0.28	
NS13399	Other	3			0.13								0.13	
NS13426	Other	6.1							0.07				0.07	
		Private							0.06				0.06	
NS13483	Other	3				0.21							0.21	
NS21315	Other	3			0.50								0.50	
NS21316	Other	3			0.05								0.05	
NS22082	Other	3			0.21								0.21	
NS22122	Other	3									0.08		0.08	Becomes FR338Ab
NS22130	Other	3						1			0.21		0.21	Becomes FR125. Install gate
NS22132	Other	3									0.04		0.04	Becomes FR125
NS22239	Other	3						1			0.37		0.37	Becomes FR124E. Install gate
NS22240	Other	3									0.20		0.20	Becomes FR124E
NS22314	Other	3		0.20									0.20	
NS22344	Other	3		0.09									0.09	
NS22346	Other	3				0.30							0.30	
NS22347	Other	3				0.26							0.26	
NS22350	Other	3		0.19									0.19	
NS22369	Other	3									0.11		0.11	Becomes FR227B

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
NS22372	Other	3			0.09								0.09	
NS22373	Other	3			0.04								0.04	
NS22374	Other	3			0.10								0.10	
NS22379	Other	3		0.05									0.05	
NS22573	Other	3									0.14		0.14	Becomes FR230C
NS22578	Other	3									0.45		0.45	Becomes FR228B
NS22779	Other	3									0.03		0.03	Becomes FR125Ab
NS22780	Other	3									0.19		0.19	Becomes FR125Ac
NS22781	Other	3									0.20		0.20	Becomes FR125A
NS22787	Other	3		0.27									0.27	
NS23535	Other	3			0.16								0.16	
NS23648	Other	3	0.67		0.12								0.79	
		6.1	0.41		0.39								0.80	
NS23690	Other	3						1			0.26		0.26	Becomes FR125A
NS23755	Other	3		0.20									0.20	
NS23756	Other	3		0.09									0.09	
NS23768	Other	3						1			0.70		0.70	Becomes FR125A
NS23912	Other	3									0.01		0.01	Becomes FR343J
NS23919	Other	3									0.13		0.13	Becomes FR124A
NS23920	Other	3									0.15		0.15	Becomes FR124A
NS23965	Other	3		0.32									0.32	
NS24133	Other	3		0.25									0.25	
NS24596	Other	3									0.34		0.34	Becomes FR343
NS24818	Other	3									0.27		0.27	Becomes FR343J
NS24819	Other	3									0.25		0.25	Becomes FR343J
NS24855	Other	3									0.01		0.01	Becomes FR343
NS24856	Other	3						1			0.06		0.06	Becomes FR343. Install gate at entrance

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
		Private									0.00		0.00	Becomes FR343
NS24866	Other	3									0.06		0.06	Becomes FR343
		Private									0.11		0.11	Becomes FR343
NS24867	Other	Private									0.10		0.10	Becomes FR343
NS25009	Other	3									0.21		0.21	Becomes FR227B
NS25010	Other	3			0.24								0.24	
NS25022	Other	6.1		0.13									0.13	
NS25023	Other	3			0.34								0.34	
NS25025	Other	3									0.12		0.12	Becomes FR124C
NS25027	Other	3				0.26							0.26	
NS25028	Other	3		0.20									0.20	
NS25029	Other	3									0.10		0.10	Becomes FR124C
NS25049	Other	3	0.29										0.29	
NS25119	Other	3			0.37								0.37	
NS25120	Other	3			0.40								0.40	
NS25121	Other	3			0.05								0.05	
NS25124	Other	3		0.15									0.15	
NS25125	Other	3		0.09									0.09	
NS25126	Other	3		0.33									0.33	
NS25153	Other	3		0.29									0.29	
NS25259	Other	3		0.10									0.10	
NS26133	Other	3				0.27							0.27	
NS26173	Other	3		0.39									0.39	
NS26203	Other	6.1							0.05				0.05	
		Private							0.02				0.02	
NS26411	Other	3		0.14									0.14	
NS26433	Other	3		0.20									0.20	

A4 -Inside			Decommission					Mitigate			Re-Construction			
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate	Maintenance	Gate	Surf Armor	New Construction	Improve	Re-Align	Total	Notes
NS26660	Other	3		0.43	0.22								0.65	
NS26661	Other	3			0.22								0.22	
NS26687	Other	3			0.04								0.04	
NS26786	Other	3			0.10								0.10	
NS26792	Other	3			0.00						0.13		0.13	Becomes FR581C
NS26794	Other	3									0.28		0.28	Becomes FR581C
NS26795	Other	3		0.16									0.16	
NS26796	Other	3			0.15								0.15	
NS26797	Other	3			0.16								0.16	
NS26800	Other	3			0.16								0.16	
NS26801	Other	3		0.20									0.20	
NS26802	Other	3		0.19									0.19	
NS26803	Other	3			0.10								0.10	
NS26806	Other	3			0.18								0.18	
NS26807	Other	3			0.08								0.08	
NS26808	Other	3			0.19								0.19	
NS26809	Other	3		0.66									0.66	
NS26810	Other	3			0.11								0.11	
NS26811	Other	3			0.13								0.13	
NS26812	Other	3		0.05									0.05	
NS26814	Other	3		0.40									0.40	
NS26816	Other	3		0.12									0.12	
		6.1		0.00									0.00	
NS26846	Other	6.1		0.06									0.06	
NS26849	Other	3		0.48									0.48	
NS26851	Other	3			0.35								0.35	
NS3527	Other	3			0.52								0.52	

A4 -Inside			Decommission				Maintenance	Mitigate		New Construction	Re-Construction		Total	Notes
Road Segment Identification	System	Management Area	Blocked	Removal	Re-Contour	Re-Vegetate		Gate	Surf Armor		Improve	Re-Align		
NS3529	Other	3		0.12									0.12	
NS3380	Other	3			0.21								0.21	
NS4653	Other	3			0.14								0.14	
NS4654	Other	3		0.53									0.53	
NS6349	Other	3			0.45								0.45	
NS6355	Other	3			0.05								0.05	
Re-Alignment Segments		3										0.22	0.22	Becomes a part of FR124C

Table 6: Alternative 4 Activities Found Outside the Project Boundary

A4- Outside			Decom.				Re-construction				
Road Segment Identification	System	Management Area	Removal	Re-Contour	Maintenance	New Construction	Improve	Re-Align	Gate	Total	Notes
FR118	FR	3			0.06					0.06	
FR136	FR	1			2.15					2.15	
		3			0.41					0.41	
		6.1			0.53					0.53	
		Private			0.07					0.07	
FR136J	FR	3			0.25					0.25	
		Private			0.13					0.13	
FR152	FR	3			0.00					0.00	
		Private			0.05					0.05	
FR157	FR	6.3			0.02					0.02	
FR167	FR	Private			0.10					0.10	
FR226	FR	3			1.73					1.73	
		6.1			0.58					0.58	
FR228	FR	3			2.43					2.43	
		Private			0.00					0.00	
FR231	FR	3			0.03					0.03	
FR234	FR	3			0.01					0.01	
FR329	FR	3			0.01					0.01	
FR338	FR	3			0.11					0.11	
FR339	FR	6.1			0.03					0.03	
FR343	FR	3			2.12					2.12	
		Private			0.00					0.00	
FR343.3	FR	3			0.02					0.02	
FR343C	FR	3			0.15					0.15	

A4- Outside			Decom.				Re-construction				
Road Segment Identification	System	Management Area	Removal	Re-Contour	Maintenance	New Construction	Improve	Re-Align	Gate	Total	Notes
FR344	FR	3			0.01					0.01	
FR344C	FR	3			0.01					0.01	
FR382	FR	Private			0.00					0.00	
FR383	FR	3			0.37					0.37	
		Private			0.71					0.71	
FR393	FR	1			0.02					0.02	
FR442	FR	3			0.10					0.10	
FR559	FR	1			0.72					0.72	
FR581	FR	3			0.20					0.20	
		Private			0.01					0.01	
FR582	FR	3			0.00					0.00	
FR632	FR	3			0.02					0.02	
FR755	FR	3			0.03					0.03	
New Construction Segment 10		1				0.54				0.54	FR559 Extended by Construction
New Construction Segment 9		3				0.07				0.07	FR226A New
		6.1				0.10			1	0.10	FR226A New. Install gate at entrance
NS13309	Other	3	0.01							0.01	
NS23912	Other	3					0.27			0.27	Becomes FR343J
NS24866	Other	Private					0.12			0.12	Becomes FR343
NS24867	Other	Private					0.00			0.00	Becomes FR343
NS26516	Other	3		0.08						0.08	
NS26785	Other	3		0.26						0.26	

A4- Outside			Decom.				Re-construction				
Road Segment Identification	System	Management Area	Removal	Re-Contour	Maintenance	New Construction	Improve	Re-Align	Gate	Total	Notes
NS26786	Other	3		0.24						0.24	
NS26792	Other	3		0.06						0.06	
Re-Alignment Segments		3						0.10	1	0.10	Becomes a part of FR581C. Install gate at entrance

SECTION 2: ROAD CONSTRUCTION RELATED TO RECREATION

Outside of the transportation proposals to decommission, reconstruct, maintain, or mitigate specific road segments is a recreation proposal to develop an ATV campsite in the Spring Creek project area. This campsite has been proposed in Alternatives 2 and 4. In order to accomplish this, both new construction (0.33 miles) and reconstruction (0.05 miles) would need to occur to add a loop segment and spur roads. These numbers have not been reflected in the Tables in Section 1 and 4. These road miles would become TSL "C" and Road Management designation of "Restricted" and open to the public for seasonal use. It is projected that two gates will be installed to close off the loop road during the off-season. Since this is not proposed in Alternative 1 and 3, no additional miles would be added for those alternatives. In addition, road features related to Recreation include the construction of nine dispersed campsites/pulloff parking and the improvement of nine other existing dispersed sites as well as the construction of two trailheads (one of which is an exisiting pit) servicing the equestrain trail. Road and parking areas in four wildlife viewing areas will also be improved through a variety of maintenance/mitigation activities.

SECTION 3: LIMESTONE SURFACING

Limestone surfacing has been used in recent years to help mitigate the potential for erosion and sedimentation and to reduce long-term maintenance costs `on some roads. Opportunities exist with this project to propose additional limestone on specific segments of roads. Table 7 identifies which segments and approximate mileage where this would occur.

Table 7: Limestone Surfacing

Road Segment Identification	Alt. 2 Total	Alt. 2 - outside	Alt. 3 Total	Alt. 3 - outside	Alt. 4 Total	Alt. 4 - outside
FR 136	1.7	1.3	1.7	1.3	1.7	1.3
FR 343	0.2		0.2		0.2	
FR 442	0.1		0.1		0.1	
FR 442C	0.2		0.2		0	
FR 228	0.3	0.3	0.3	0.3	0.3	0.3
FR 184	0.2		0.2		0.2	
FR 774	0.4		0.4		0.4	
FR 130E	0.2		0.2		0.2	
FR 130	1.3		1.3		1.3	
FR 131	2.2		2.2		2.2	
FR 226	0.7		0.7		0.7	
FR 108	0.2		0.2		0.2	
FR 404	0.2		0.2		0.2	
FR 226A	0.1		0		0.1	
FR 227	2.3		2.3		2.3	
FR 227B	0.2		0		0	
FR 403	0.6		0.6		0.6	

Road Segment Identification	Alt. 2 Total	Alt. 2 - outside	Alt. 3 Total	Alt. 3 - outside	Alt. 4 Total	Alt. 4 - outside
FR 124A	0.2		0.2		0.2	
FR 131B	0.1		0		0	
FR 124B	0.08		0.08		0.08	
FR 124	1.5		1.5		1.5	
FR 502	0.9		0.9		0.9	
FR 124F	0.2		0.2		0.2	
FR 338A	0.1		0.1		0.1	
FR 661	0.9		0.9		0.9	
FR 491	0.6		0.6		0.6	
FR 338B	1.1		1.1		1.1	
FR 757	0.3		0.3		0.3	
FR 232A	0.1		0.1		0.1	
FR 559	0.1		0		0.1	
FR 580	0.4		0.4		0.4	
FR 337A	0.6		0.6		0.6	
FR 335	0.4		0.4		0.4	
FR 584	0.6		0.6		0.6	
FR 394	0.2		0.2		0.2	
FR 445	0.4		0.4		0.4	
FR 775	0		0.2		0	
FR 381	0		0		1	
TWP 322/FR 125	2.1		2.1		2.1	
NS24899	0.04		0.04		0.04	
NS24609	0.42		0.42		0	
NS24606	0.2		0.2		0.2	
NS13426	0.08		0.08		0.08	
NS26203	0.08		0.08		0.08	
NS25237	0.2		0.2		0.2	
NS22130	0.2		0.2		0.2	
NS24945	0.2		0.2		0.2	
NS13328	0.1		0.1		0.1	
NS23755	0		0.2		0	
NS24963	0.1		0.1		0.1	

SECTION 4: OPEN, CLOSED, AND RESTRICTED MANAGEMENT STATUS

In the action alternatives, proposals have been made to change the management status of certain road segments. This refers to changing a road from ‘OPEN’ to ‘RESTRICTED’ status or ‘RESTRICTED’ to

‘CLOSED’ status. The definitions of open, closed, and restricted are defined below. Table 8 shows which segments would change and how. Segments of Forest Service system roads that are decommissioned have their status removed because they are no longer managed as a system road. It is important to note that these changes may vary by alternative.

Closed Road - A road closed to motorized public traffic. For example, closure could be via gate, water bar, or signage.

Open for Public Travel - The road section is available and passable by four-wheeled standard passenger cars, and open to the general public for use without restrictive gates, prohibitive signs, or regulation other than restrictions based on size, weight or class of registration, except during scheduled periods, extreme weather or emergency conditions (23 CFR 460.2(c)).

Restricted Road - Roads open only for a portion of the year to motorized public traffic (USDA – FS, 1986b, p 4-85). For example; a road is open only for hunting season and closed at all other times.

Table 8: Open, Closed, and Restricted Management Changes for Existing Roads and the Construction/Reconstruction Segments

Road Segment Identification	New Construction Segment #	Existing Condition	Alt. 2	Alt. 3	Alt. 4	Notes
FR124A			Open	Open	Open	New FS road created from the utilization of non-system roads
FR124B	#06		Closed	NA	NA	Extension of Existing FS road segment
FR124C			Closed	Closed	Closed	New FS road created from the utilization of non-system roads
FR124E			Closed	Closed	Closed	New FS road created from the utilization of non-system roads
FR125			Closed	Closed	Closed	Extension of Existing FS road Segment by utilizing non-system roads
FR125A			Closed	Closed	Closed	Extension of Existing FS road segment by utilizing non-system roads. This segment will be closed.
FR 125Ab			Closed	Closed	Closed	New FS road created from the utilization of a non-system road
FR 125Ac			Closed	Closed	Closed	New FS road created from the utilization of a non-system road
FR130B		Closed	Restricted	Restricted	Restricted	Change in Status
FR130E		Closed				Segment portion of road is Decommissioned
FR131B	#08		Closed	NA	NA	New FS road created from the utilization of non-system roads and New Construction
FR184A	#15		Closed	NA	Closed	Extension of Existing FS road Segment
FR224	#04		Closed	NA	Closed	Extension of Existing FS road Segment
FR224A	#05		Closed	NA	NA	Extension of Existing FS road Segment
FR226		Restricted				Segment portion of road is Decommissioned
FR226A	#09		Restricted	NA	Restricted	New FS Road
FR227B	#14		Closed	Closed	Closed	New FS road created from the utilization of non-system roads and New Construction
FR227D	#11		Closed	NA	NA	Extension of Existing FS road Segment
FR227Da	#12		Closed	NA	Closed	Extension of Existing FS road Segment
FR227E	#13		Closed	NA	NA	New FS Road
FR228B			Restricted	Restricted	Restricted	New FS road created from the utilization of non-system roads

Road Segment Identification	New Construction Segment #	Existing Condition	Alt. 2	Alt. 3	Alt. 4	Notes
FR230C			Closed	Closed	Closed	New FS road created from the utilization of non-system roads
FR338Ab	#01		Restricted	NA	Restricted	New FS Road created from the utilization of non-system roads and New Construction
FR343			Closed	Closed	Closed	Extension of Existing FS road segment by utilizing non-system roads. Entire segment extension is closed status. Remainder of FR 343 remains in open condition
FR343J			Restricted	Restricted	Restricted	New FS road created from the utilization of non-system roads
FR343Ja			Restricted	NA	NA	New FS road created from the utilization of non-system roads
FR355		Closed				Segment decommissioned
FR381		Closed			Closed	Segment portion of road is Decommissioned in alts 2 and 3
FR383B			Closed	Closed	NA	Extension of Existing FS road segment by utilizing non-system roads
FR383Bb			Closed	Closed	NA	Extension of Existing FS road segment by utilizing non-system roads
FR395B		Closed				Segment Decommissioned
FR401A		Closed	Restricted	Restricted	Restricted	Change in Status
FR403A	#07		Closed		Closed	Extension of Existing FS road Segment
FR404A		Restricted	Closed	Closed	Closed	Change in Status
FR442C			Restricted	Restricted		Extension of FS road created from the utilization of non-system roads
FR445A	#02		Closed		Closed	New FS road created from the utilization of non-system roads and New Construction
FR559	#10		Restricted	NA	Restricted	Extension of Existing FS road segment
FR581C			Closed	Closed	Closed	New FS road created from the utilization of non-system roads
FR774		Closed	Restricted	Restricted	Restricted	Change in Status
FR774A		Closed	Restricted	Restricted	Restricted	Change in Status
FR775		Closed		Closed		Segment portion of road is Decommissioned

SECTION 5: TRAFFIC SERVICE LEVELS

Traffic Service Level or TSL describes the significant characteristics and operating conditions of a road *(FSH 7709.56. Ch4 – Road Pre-construction Handbook FSM 7705 – Transportation System).*

TSL A*:* Free flowing, mixed traffic; stable, smooth surface; provides safe services to all traffic.

TSL B: Congested during heavy traffic, slower speeds and periodic dust; accommodates any legal-size load or vehicle.

TSL C: Interrupted traffic flow, limited passing facilities, may not accommodate some vehicles. Low design speeds. Unstable surface under certain traffic or weather.

TSL D: Traffic flow is slow and may be blocked by management activities. Two-way traffic is difficult, backing may be required. Rough and irregular surface. Accommodates high clearance vehicles. Single purpose facility (USDA- FS 1999)

The Forest Service roads in the Spring Creek project area are considered either a TSL C (55.5 miles) or TSL D (54.0 miles) level road. All New road construction activities would result in the creation of additional D or C level road miles in the project. Reconstruction of non-system roads (adding them to the Forest Service system) would also result in additional TSL D or C road mileage. Decommissioning of non-system roads would have no impact on the TSL level since these roads were not of Forest Service jurisdiction. However, some segments of Forest Service roads have been proposed for decommissioning and these mileages would be subtracted from their current TSL level. This would include approximately 2.2 miles of TSL D in Alternative 2. Please refer to Table 9 to see the changes from each action alternative.

Table 9: Changes In Traffic Service Level (TSL) After Implementation of the Three Action Alternatives

Activity		Alt. 2 (Miles)	Alt. 3 (Miles)	Alt. 4 (Miles)
New construction	Add TSL C mileage	1.7	0	1.7
	Add TSL D mileage	4.9	0	2.3
Reconstruction-Miles that are additions to FS system	Add TSL C mileage	0.0	0.0	0.0
	Add TSL D mileage	11.7	9.7	6.6
Decommission of portions of Forest Service System Roads FR130E, FR226, FR355, FR381, FR395B, & FR775	Subtract TSL D mileage	2.2	1.9	1.4

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