Rd Number	Road Design	Road Surface	Traffic Level	Road gradient	Road length	Road width	Fill gradient	Fill length	Buffer gradient	Buffer length	Rock Fragment	Comment	Number Segments
454	IB	G	L	3	200	25	35	24	10	50	15	Existing	5
454	IB	G	H	3	200	25	35	24	10	50	15	Project	5
454	IB	G	L	3	20	25	35	24	10	20	15	Existing-xing	1
454	IB	G	H	3	20	25	35	24	10	20	15	Project-xing	1
454-A	OR	N	N	3	15	18	35	18	10	20	15	Existing-xing	5
454-A	OR	N	N	3	200	18	35	18	10	200	15	Existing	38
454-A	OU	N	L	3	15	18	35	18	10	20	15	Project-xing	5
454-A	OU	N	L	3	200	18	40	18	35	200	15	Project	38
454-A	OR	N	N	3	200	18	40	18	35	200	15	Existing	2
454-A	OU	N	N	3	200	18	40	18	35	200	15	Project	2
454-A	OR	N	L	3	200	18	60	18	40	200	15	Existing	1
454-A	OU	N	L	3	200	18	60	18	40	200	15	Project	1
454-A	OR	N	L	3	13	18	60	18	60	13	15	Existing-ripa	31
454-A	OU	N	L	3	13	18	60	18	60	13	15	Project-ripa	31
495	OR	N	L	3	200	18	35	18	10	200	15	Existing	1
495	OU	N	H	3	200	18	35	18	10	200	15	Project	1
495	OR	N	L	3	20	18	35	18	10	15	15	Exing	2
495	OU	N	H	3	20	18	35	18	10	15	15	Projxing	2
5104	IB	G	L	3	200	25	35	18	10	200	15	Existing	44
5104	IB	G	H	3	200	25	35	18	10	200	15	Project	44
5104	IB	G	L	3	20	25	40	18	35	15	15	Exing	2
5104	IB	G	H	3	20	25	40	18	35	15	15	Projxing	2
5104-A	OR	N	L	3	12	18	40	18	35	40	15	Existing	5
5104-A	OU	N	H	3	12	18	40	18	35	40	15	Project	5
514-N	OR	N	L	3	200	18	35	18	10	200	15	Existing	16
514-N	OU	N	H	3	200	18	35	18	10	200	15	Project	16
514-N	OR	N	L	3	50	18	35	18	10	40	15	Existing	1
514-N	OU	N	H	3	50	18	35	18	10	40	15	Project	1
519	IB	G	L	3	200	25	35	24	10	50	15	Existing	26
519	IB	G	H	3	200	25	35	24	10	50	15	Project	26
519	IB	G	L	3	20	25	35	24	10	15	15	ExXing	2
519	IB	G	H	3	20	25	35	24	10	15	15	ProjXing	2
461	OR	N	N	3	200	18	35	18	10	200	15	Existing	15
461	OU	N	L	3	200	18	35	18	10	200	15	Project	15
461	OR	N	N	3	30	18	35	18	10	15	15	ExXing	2
461	OU	N	L	3	30	18	35	18	10	15	15	ProXing	2
495-A	OR	N	N	3	200	18	35	18	10	200	15	Existing	14
495-A	OU	N	L	3	200	18	35	18	10	200	15	Project	14
514	IB	G	L	3	200	25	35	24	10	50	15	Existing	36
514	IB	G	H	3	200	25	35	24	10	50	15	Project	36
514	IB	G	L	3	20	25	35	24	10	15	15	ExXing	7
514	IB	G	H	3	20	25	35	24	10	15	15	Projxing	7

Road	SegmentType	# Segments	Segment Length (	Avg Annual Sediment Leave Buffer (lbs)	Avg Annual Sediment Leave Buffer (tons)	Avg Annual Sediment Leave Buffer (tons/mi)	Total Annual Tons for all segments
454	Existing	5	200	147	0.0735	0.013920455	73.5
454	Project	5	200	192	0.096	0.018181818	96
454	Existing-xing	1	20	9	0.0045	1.70455E-05	0.09
454	Project-xing	1	20	9	0.0045	1.70455E-05	0.09
454A	Existing-xing	5	15	1	0.0005	7.10227E-06	0.0375
454A	Existing	38	200	8	0.004	0.005757576	30.4
454A	Project-xing	5	15	4	0.002	2.84091E-05	0.15
454A	Project	38	200	160	0.08	0.115151515	608
454A	Existing	2	200	128	0.064	0.004848485	25.6
454A	Project	2	200	122	0.061	0.004621212	24.4
454A	Existing	1	200	213	0.1065	0.004034091	21.3
454A	Project	1	200	197	0.0985	0.003731061	19.7
454A	Existing-ripar	31	13	17	0.0085	0.000648769	3.4255
454A	Project-ripar	31	13	19	0.0095	0.000725095	3.8285
514	Existing	36	200	151	0.0755	0.102954545	543.6
514	Project	36	200	188	0.094	0.128181818	676.8
514	Existing Xing	7	20	13	0.0065	0.000172348	0.91
514	Proj Xing	7	20	14	0.007	0.000185606	0.98
514N	Existing	16	200	15	0.0075	0.004545455	24
514N	Project	16	200	0	0	0	0
514N	Existing	1	50	10	0.005	4.73485E-05	0.25
514N	Project	1	50	7	0.0035	3.31439E-05	0.175
5104	Existing	44	200	21	0.0105	0.0175	92.4
5104	Project	44	200	27	0.0135	0.0225	118.8
5104	Existing Xing	2	20	27	0.0135	0.000102273	0.54
5104	Proj Xing	2	20	32	0.016	0.000121212	0.64
5104-A	Existing	5	12	9	0.0045	5.11364E-05	0.27
5104-A	Project	5	12	12	0.006	6.81818E-05	0.36
519	Existing	26	200	151	0.0755	0.074356061	392.6
519	Project	26	200	188	0.094	0.092575758	488.8
519	Existing Xing	2	20	13	0.0065	4.92424E-05	0.26
519	Proj Xing	2	20	14	0.007	5.30303E-05	0.28
461	Existing	15	200	13	0.0065	0.003693182	19.5
461	Project	15	200	0	0	0	0
461	Exist Xing	2	30	4	0.002	2.27273E-05	0.12
461	Proj Xing	2	30	11	0.0055	0.0000625	0.33

Road	SegmentTyp	Avg Annual Sediment Leave Buffer (tons/mi)	Total Annual Tons for all segments	Project Predicted % Increase in Sediment	Comments
454	Existing	0.0139205	73.5	31	Predicted Increase caused by traffic. Delivery mitigated by increased drainage on road.
454	Project	0.0181818	96		
454A	Existing	0.0057576	30.4	1900	Predicted Increase because of steep gradient and run with short buffers, with buffer this descrese to near 0
454A	Project	0.1151515	608		
454A	Existing	0.0048485	25.6	-5	Prediction decreases because of control of grading roads to eliminate concentrating flow. Road work during project will ultimately lower sediment.
454A	Project	0.0046212	24.4		
454A	Existing	0.0040341	21.3	-8	Prediction decreases because of control of grading roads to eliminate concentrating flow. Road work during project will ultimately lower sediment.
454A	Project	0.0037311	19.7		
454A	Existing-ripa	0.0006488	3.4255	12	Predicted Increase because of steep gradient and short buffers
454A	Project-ripa	0.0007251	3.8285		
514	Existing	0.1029545	543.6	25	
514	Project	0.1281818	676.8		
514N	Existing	0.0045455	24	0	Prediction decreases because of control of grading roads to eliminate concentrating flow. Road work during project will ultimately lower sediment.
5104	Existing	0.0175	92.4	29	Predicted Increase caused by traffic. Delivery mitigated by increased drainage on road.
5104	Project	0.0225	118.8		
519	Existing	0.0743561	392.6	25	Predicted Increase caused by traffic. Delivery mitigated by increased drainage on road.
519	Project	0.0925758	488.8		
461	Existing	0.0036932	19.5	-100	Prediction decreases because of control of grading roads to eliminate concentrating flow. Road work during project will ultimately lower sediment.
461	Project	0	0		

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Insloped, bare ditch	graveled low	3	200	25	35	24	10	50	15	0.3	0	432	147	454-Existing
2	Insloped, bare ditch	graveled high	3	200	25	35	24	10	50	15	0.3	0	364	192	454-Project
3	Insloped, bare ditch	graveled low	3	20	25	35	24	10	20	15	0.1	0	13	9	454-XingEx
4	Insloped, bare ditch	graveled high	3	20	25	35	24	10	20	15	0.1	0	23	9	454-Xingproj

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Outsloped, rutted	native none	3	15	18	35	18	10	20	15	0	0	8	1	454A_Exing
2	Outsloped, rutted	native none	3	200	18	35	18	10	200	15	0	0	108	8	454AExisting
3	Outsloped, unrutted	native low	3	15	18	35	18	10	20	15	0.1	0	17	4	454A_Pxing
4	Outsloped, unrutted	native low	3	200	18	40	18	35	200	15	0.1	0	255	160	454AProject
5	Outsloped, rutted	native none	3	200	18	40	18	35	200	15	0.2	0	110	128	454AExisting
6	Outsloped, unrutted	native none	3	200	18	40	18	35	200	15	0.1	0	125	122	454AProject
7	Outsloped, rutted	native low	3	200	18	60	18	40	200	15	0.2	0	423	213	454AExisting
8	Outsloped, unrutted	native low	3	200	18	60	18	40	200	15	0.1	0	348	197	454AProject
9	Outsloped, rutted	native low	3	13	18	60	18	60	13	15	0.3	0	22	17	454A_Eripar
10	Outsloped, unrutted	native low	3	13	18	60	18	60	13	15	0.5	0	25	19	454A-Project Riparian

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Outsloped, rutted	native low	3	200	18	35	18	10	200	15	0	0	274	15	Existing
2	Outsloped, unrutted	native high	3	200	18	35	18	10	200	15	0	0	229	0	Project
3	Outsloped, rutted	native low	3	20	18	35	18	10	15	15	0.1	0	21	7	Exing
4	Outsloped, unrutted	native high	3	20	18	35	18	10	15	15	0.1	0	23	9	Projxing

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Outsloped, rutted	native none	3	200	18	35	18	10	200	15	0	0	103	13	Existing
2	Outsloped, unrutted	native low	3	200	18	35	18	10	200	15	0	0	236	0	Project

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Insloped, bare ditch	graveled low	3	200	25	35	24	10	50	15	0.3	0	424	151	Existing
2	Insloped, bare ditch	graveled high	3	200	25	35	24	10	50	15	0.3	0	338	188	Project
3	Insloped, bare ditch	graveled low	3	20	25	35	24	10	15	15	0.1	0	13	13	ExXing
4	Insloped, bare ditch	graveled high	3	20	25	35	24	10	15	15	0.1	0	22	14	Projxing

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Outsloped, rutted	native low	3	200	18	35	18	10	200	15	0	0	274	15	Existing
2	Outsloped, unrutted	native high	3	200	18	35	18	10	200	15	0	0	229	0	Project
3	Outsloped, rutted	native low	3	50	18	35	18	10	40	15	0.1	0	61	10	Existing
4	Outsloped, unrutted	native high	3	50	18	35	18	10	40	15	0	0	58	7	Project

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Insloped, bare ditch	graveled low	3	200	25	35	18	10	200	15	0	0	368	21	Existing
2	Insloped, bare ditch	graveled high	3	200	25	35	18	10	200	15	0	0	354	27	Project
3	Insloped, bare ditch	graveled low	3	20	25	40	18	35	15	15	0.4	0	35	27	Exing
4	Insloped, bare ditch	graveled high	3	20	25	40	18	35	15	15	0.4	0	22	32	Projxing

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Outsloped, rutted	native low	3	12	18	40	18	35	40	15	0.2	0	6	9	Existing
2	Outsloped, unrutted	native high	3	12	18	40	18	35	40	15	0.2	0	22	12	Project

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Insloped, bare ditch	graveled low	3	200	25	35	24	10	50	15	0.3	0	424	151	Existing
2	Insloped, bare ditch	graveled high	3	200	25	35	24	10	50	15	0.3	0	338	188	Project
3	Insloped, bare ditch	graveled low	3	20	25	35	24	10	15	15	0.1	0	13	13	ExXing
4	Insloped, bare ditch	graveled high	3	20	25	35	24	10	15	15	0.1	0	22	14	ProjXing

Run number	Design	Surface, traffic	Road grad (%)	Road length (ft)	Road width (ft)	Fill grad (%)	Fill length (ft)	Buff grad (%)	Buff length (ft)	Rock cont (%)	Average annual rain runoff (in)	Average annual snow runoff (in)	Average annual sediment leaving road (lb)	Average annual sediment leaving buffer (lb)	Comment
1	Outsloped, rutted	native none	3	200	18	35	18	10	200	15	0	0	103	13	Existing
2	Outsloped, unrutted	native low	3	200	18	35	18	10	200	15	0	0	236	0	Project
3	Outsloped, rutted	native none	3	30	18	35	18	10	15	15	0.1	0	15	4	ExXing
4	Outsloped, unrutted	native low	3	30	18	35	18	10	15	15	0.1	0	36	11	ProXing