Pre-Construction Accident Prediction Summary
South Dakota 100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
189864X	48590	SD	STANLEY	BAD RIVER RD	FORT PIERRE	PASSIVE	385	4	3	30	1	2	2	0.021	5	0	0.015	0.011
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	15	4	3	30	1	2	1	0.006	5	0	0.005	0.004
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	62	4	3	30	2	2	2	0.011	5	0	0.008	0.006
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	16	4	3	30	1	2	1	0.006	5	0	0.005	0.004
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	55	4	3	30	1	2	1	0.010	5	0	0.008	0.006
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	56	4	3	30	2	2	1	0.010	5	0	0.008	0.006
Segment 11 Wasta to Midland MP 533.2 to 605																		
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	228	2	1	30	2	2	1	0.012	5	0	0.009	0.007
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	280	2	1	30	2	1	2	0.019	5	0	0.014	0.008
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	75	2	1	30	1	2	1	0.008	5	0	0.006	0.004
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	615	2	1	30	4	1	2	0.039	5	0	0.027	0.014
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	50	2	1	30	1	2	2	0.007	5	0	0.005	0.004
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	12	2	1	30	1	2	1	0.004	5	0	0.003	0.002
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	1020	2	1	30	1	1	2	0.027	5	1	0.075	0.040
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	59	2	1	30	1	2	1	0.007	5	0	0.006	0.004
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD S	COTTONWOOD	PASSIVE	26	2	1	30	1	2	2	0.005	5	0	0.004	0.003
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	41	2	1	30	1	2	1	0.006	5	0	0.005	0.004
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	12	2	1	30	1	2	1	0.004	5	0	0.003	0.002
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 5	QUINN	PASSIVE	6	2	1	30	1	2	1	0.003	5	0	0.002	0.002
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	87	2	1	30	2	1	2	0.015	5	0	0.011	0.008
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	19	2	1	30	1	1	2	0.009	5	0	0.007	0.005

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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Segment 6 Brookings to Tracy MP 226.6 to 290.0																			
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	37	23	49	2	2	2	0.035	5	0	0.025	0.018
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	37	23	49	2	1	2	0.238	5	0	0.097	0.070
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	37	23	49	2	2	2	0.069	5	0	0.043	0.031
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	37	23	49	2	1	2	0.134	5	0	0.070	0.050
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	37	23	49	2	1	2	0.178	5	0	0.083	0.060
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	37	23	49	2	2	2	0.033	5	0	0.024	0.017
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	37	23	49	1	2	2	0.035	5	0	0.024	0.017
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	37	23	49	1	2	2	0.034	5	0	0.024	0.017
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	37	23	49	1	2	2	0.033	5	0	0.023	0.017
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	37	23	49	1	2	2	0.048	5	0	0.032	0.023
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	37	23	49	1	2	2	0.035	5	0	0.025	0.018
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	37	23	49	1	2	2	0.037	5	0	0.026	0.019
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	37	23	49	1	2	2	0.030	5	0	0.022	0.016
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	37	23	49	1	2	2	0.036	5	0	0.025	0.018
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	37	23	49	1	2	2	0.036	5	0	0.025	0.018
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	37	23	49	2	2	2	0.032	5	0	0.023	0.016
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	37	23	49	2	2	2	0.016	5	0	0.012	0.009
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	37	23	49	2	1	2	0.101	5	0	0.058	0.041
197426R	028620	SD	BROOKINGS	475TH AVE	AURORA	PASSIVE	PASSIVE	21	37	23	49	2	2	2	0.028	5	0	0.020	0.014
197429L	028830	SD	BROOKINGS	34THAAVE	BROOKINGS	PASSIVE	PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	37	23.125	35	1	1	2	0.034	5	0	0.024	0.017
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	37	23	49	1	1	4	0.497	5	2	0.426	0.225
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	37	23	49	1	1	2	0.191	5	0	0.087	0.046
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	37	23	49	1	1	2	0.261	5	0	0.102	0.054
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	37	23	49	1	1	4	0.411	5	0	0.124	0.066
Segment 7 Arlington to Brookings MP 290.9 to 308.3																			
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	37	23	49	1	1	2	0.181	5	0	0.084	0.044
197483E	029210	SD	BROOKINGS	6TH ST W	BROOKINGS	PASSIVE	PASSIVE	30	37	23	49	2	2	2	0.032	5	0	0.022	0.016
197484L	029240	SD	BROOKINGS	16TH AVE W	BROOKINGS	PASSIVE	PASSIVE	78	37	23	49	2	2	2	0.045	5	0	0.030	0.022
197485T	029350	SD	BROOKINGS	468TH AVE	BROOKINGS	PASSIVE	PASSIVE	20	37	23	49	2	2	2	0.027	5	0	0.020	0.014
197487G	029460	SD	BROOKINGS	467TH AVE	BROOKINGS	PASSIVE	PASSIVE	35	37	23	49	3	2	2	0.033	5	0	0.024	0.017
197440L	29650	SD	BROOKINGS	CASPIAN	VOLGA	GATES	GATES	46	37	23	49	2	2	2	0.030	5	0	0.021	0.011
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	37	23	49	1	1	2	0.154	5	0	0.076	0.040
197442A	029730	SD	BROOKINGS	KASAN ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	37	23	49	1	1	2	0.167	5	0	0.080	0.042
197443G	029740	SD	BROOKINGS	SAMARA ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	37	23	49	1	1	2	0.119	5	0	0.064	0.034
197445V	029840	SD	BROOKINGS	463RD AVE	VOLGA	PASSIVE	PASSIVE	20	37	23	49	1	2	2	0.027	5	0	0.020	0.014
197493K	029870	SD	BROOKINGS	HWY 14	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2962	37	23	49	1	1	2	0.190	5	0	0.086	0.046
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	37	23	49	1	2	2	0.032	5	0	0.022	0.016
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	PASSIVE	17	37	23.13	49	1	2	1	0.026	5	0	0.019	0.013
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	PASSIVE	170	37	23	49	1	1	2	0.109	5	1	0.149	0.107
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	37	23	49	1	2	2	0.032	5	0	0.022	0.016
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	37	23	49	1	2	2	0.027	5	0	0.020	0.014
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	37	23	49	2	2	2	0.024	5	0	0.018	0.013
197451Y	030800	SD	BROOKINGS	US HWY 81	ARLINGTON	FLASHING LIGHTS	FLASHING LIGHTS	1536	37	23	49	1	1	4	0.209	5	0	0.091	0.048
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	37	23	49	3	1	2	0.177	5	0	0.083	0.059
Segment 8																			

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Huron to Arlington MP 308.3 to 362.8																			
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	37	23	49	3	2	2	0.074	5	0	0.046	0.033
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	37	23	49	3	1	2	0.154	5	0	0.076	0.054
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	37	23	49	3	2	2	0.036	5	0	0.025	0.018
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	37	23	49	2	2	2	0.044	5	0	0.030	0.021
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	37	23	49	2	2	2	0.027	5	0	0.020	0.014
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	37	23	49	2	1	2	0.125	5	1	0.160	0.114
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	118	37	23	49	2	2	2	0.052	5	0	0.035	0.025
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	37	23	49	2	2	2	0.021	5	0	0.016	0.011
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	37	23	49	1	2	2	0.016	5	0	0.012	0.009
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	37	23	49	2	1	2	0.151	5	0	0.075	0.054
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	37	23	49	4	2	2	0.047	5	1	0.097	0.070
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	37	23	49	4	1	2	0.294	5	0	0.108	0.077
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	37	23	49	4	2	2	0.047	5	0	0.031	0.023
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	37	23	49	2	1	2	0.080	5	2	0.206	0.109
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	37	23	49	1	2	2	0.016	5	0	0.012	0.009
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	37	23	49	1	2	2	0.013	5	0	0.010	0.007
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	37	23	49	1	2	2	0.044	5	0	0.030	0.022
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	37	23	49	1	2	2	0.024	5	0	0.018	0.013
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	37	23	49	1	2	2	0.030	5	0	0.022	0.016
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	37	23	49	1	2	2	0.052	5	1	0.102	0.073
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	37	23	49	3	1	2	0.148	5	1	0.174	0.125
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	FLASHING LIGHTS	3063	37	23	49	2	1	2	0.233	5	0	0.096	0.051
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	37	23	49	2	1	2	0.113	5	0	0.062	0.044
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	37	23	49	2	2	2	0.054	5	0	0.036	0.026
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	37	23	49	2	1	2	0.175	5	0	0.082	0.059
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	37	23	49	1	2	2	0.033	5	0	0.023	0.017
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	37	23	49	2	2	2	0.012	5	0	0.009	0.006
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	37	23	49	2	2	2	0.034	5	0	0.024	0.017
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	37	23.125	49	2	2	1	0.021	5	0	0.016	0.011
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	37	23	49	2	2	2	0.033	5	0	0.024	0.017
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	37	23	49	2	2	2	0.021	5	0	0.016	0.011
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	37	23	49	2	1	2	0.119	5	0	0.064	0.046
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	37	23	49	2	2	2	0.037	5	0	0.026	0.018
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	37	23	49	2	2	2	0.026	5	0	0.019	0.013
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	37	23	49	2	2	1	0.041	5	0	0.028	0.020
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	37	23	49	2	2	2	0.041	5	0	0.028	0.020
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	37	23	49	2	2	1	0.019	5	0	0.014	0.010
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	37	23	49	1	2	2	0.024	5	0	0.018	0.013
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	37	23	49	1	2	2	0.027	5	0	0.019	0.014
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	1285	37	23.125	49	1	1	2	0.135	5	0	0.070	0.037
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	37	23	49	2	1	2	0.175	5	0	0.082	0.059
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	37	23	49	2	2	2	0.067	5	0	0.042	0.030
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	157	37	23	49	1	1	2	0.057	5	0	0.037	0.020
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	37	23	49	1	2	2	0.036	5	0	0.025	0.018
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	37	23	49	1	2	2	0.048	5	0	0.032	0.023
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	37	23	49	1	2	2	0.033	5	0	0.024	0.017
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	37	23	49	1	2	2	0.027	5	0	0.019	0.014
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	37	23	49	1	2	2	0.033	5	0	0.024	0.017

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197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	37	23	49	2	1	2	0.113	5	0	0.062	0.045
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	37	23	49	2	2	2	0.024	5	0	0.018	0.013
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	37	23	49	2	2	2	0.024	5	0	0.018	0.013
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	37	23	49	2	2	2	0.034	5	0	0.024	0.017
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	37	23	49	2	2	2	0.036	5	0	0.025	0.018
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	37	23	49	2	2	2	0.035	5	0	0.025	0.018
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	37	23	49	1	2	2	0.037	5	0	0.026	0.018
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	45	37	23	49	1	1	2	0.034	5	0	0.024	0.013
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	37	23	49	1	1	2	0.168	5	1	0.184	0.132
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	11030	37	23	49	3	1	4	0.688	5	0	0.147	0.078
Segment 9 Wolsey to Huron MP 362.8 to 376.1																			
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	5290	37	23	49	5	1	2	0.518	5	0	0.135	0.071
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	FLASHING LIGHTS	2137	37	23	49	1	1	4	0.239	5	1	0.216	0.114
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	37	23	49	1	2	2	0.054	5	0	0.035	0.025
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	37	23	49	1	1	2	0.064	5	0	0.041	0.029
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	37	23	49	3	2	1	0.031	5	0	0.022	0.016
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	37	23	49	2	2	1	0.027	5	0	0.020	0.014
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	37	23	49	2	1	2	0.135	5	2	0.263	0.188
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	37	23	49	2	2	2	0.033	5	0	0.024	0.017
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	37	23	49	2	2	1	0.027	5	0	0.020	0.014
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	37	23	49	2	2	2	0.027	5	0	0.019	0.014
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	37	23	49	2	2	1	0.013	5	0	0.010	0.007
Segment 10 Midland to Wolsey MP 376.1 to 533.2																			
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	FLASHING LIGHTS	2671	37	23	40	4	1	2	0.323	5	1	0.243	0.129
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	38	24	49	3	2	1	0.065	5	0	0.041	0.029
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	37	23	49	1	2	1	0.030	5	0	0.022	0.016
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	37	23	49	1	2	1	0.029	5	0	0.021	0.015
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	37	23	49	1	2	2	0.024	5	0	0.018	0.013
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	37	23	49	1	2	1	0.027	5	0	0.020	0.014
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	37	23	49	1	2	1	0.022	5	0	0.017	0.012
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	37	23	49	1	2	2	0.027	5	0	0.020	0.014
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	37	23	49	2	2	2	0.030	5	0	0.021	0.015
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	37	23	49	3	1	2	0.206	5	1	0.203	0.145
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	37	23	49	3	1	2	0.158	5	0	0.077	0.055
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	37	23	49	2	2	1	0.024	5	0	0.017	0.012
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	37	23	49	2	2	1	0.020	5	0	0.015	0.011
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	37	23	49	2	2	1	0.021	5	0	0.016	0.011
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	37	23	49	2	2	1	0.012	5	0	0.009	0.006
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	37	23	49	1	1	2	0.096	5	0	0.055	0.040
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	37	23	49	1	2	1	0.009	5	0	0.007	0.005
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	37	23	49	1	2	1	0.030	5	0	0.021	0.015
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	37	23	49	1	2	1	0.009	5	0	0.007	0.005
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	37	23	49	1	2	1	0.015	5	0	0.011	0.008
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	37	23	49	1	1	2	0.094	5	0	0.055	0.039
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	37	23	49	2	2	2	0.059	5	0	0.038	0.027
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	37	23	49	2	2	2	0.044	5	1	0.094	0.046
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	37	23	49	1	2	1	0.030	5	0	0.021	0.015
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	37	23	49	2	1	2	0.149	5	0	0.075	0.054

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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	37	23	49	3	1	2	0.260	5	0	0.102	0.054
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	37	23	49	1	2	1	0.064	5	0	0.041	0.029
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	37	23	49	1	2	1	0.024	5	0	0.017	0.012
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	37	23	49	1	2	1	0.012	5	0	0.009	0.006
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	37	23	49	1	2	1	0.012	5	0	0.009	0.006
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	37	23	49	1	2	1	0.012	5	0	0.009	0.006
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	37	23	49	1	2	1	0.038	5	0	0.026	0.019
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	37	23	49	2	2	1	0.013	5	0	0.010	0.007
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	37	23	49	2	2	1	0.016	5	0	0.012	0.009
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	37	23	49	2	2	1	0.012	5	0	0.009	0.006
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	37	23	49	3	1	2	0.135	5	0	0.070	0.037
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	37	23	49	2	2	1	0.016	5	0	0.012	0.009
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	37	23	49	2	2	1	0.012	5	0	0.009	0.006
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	37	23	49	1	2	1	0.018	5	0	0.014	0.010
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	37	23	49	1	2	1	0.027	5	0	0.020	0.014
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	PASSIVE	115	37	23	49	1	2	9	0.052	5	0	0.034	0.025
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	37	23	49	1	2	1	0.009	5	0	0.007	0.005
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	37	23	49	1	2	1	0.021	5	0	0.016	0.011
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	37	23	49	3	2	2	0.059	5	1	0.109	0.053
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	37	23	49	4	1	2	0.114	5	0	0.063	0.031
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	37	23	49	1	2	1	0.019	5	0	0.014	0.010
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	37	23	49	2	2	2	0.017	5	0	0.013	0.009
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	PASSIVE	36	37	23	49	2	2	2	0.034	5	0	0.024	0.017
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	37	23	49	2	2	1	0.021	5	0	0.016	0.011
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	37	23	49	2	2	1	0.028	5	0	0.020	0.014
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	37	23	49	2	1	2	0.082	5	0	0.050	0.035
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	37	23	49	2	2	1	0.013	5	0	0.010	0.007
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	37	23	49	2	2	1	0.013	5	0	0.010	0.007
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	37	23	49	2	2	1	0.018	5	0	0.014	0.010
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	37	23	49	1	2	1	0.027	5	0	0.020	0.014
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	37	23	49	1	2	1	0.027	5	0	0.020	0.014
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	FLASHING LIGHTS	300	37	23	49	3	1	2	0.109	5	3	0.326	0.173
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	37	23	49	1	1	2	0.103	5	0	0.058	0.042
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	37	23	49	1	2	1	0.033	5	0	0.024	0.017
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	37	23	49	1	2	2	0.033	5	0	0.024	0.017
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	37	23	49	2	2	1	0.025	5	0	0.018	0.013
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	37	23	49	2	2	1	0.020	5	0	0.015	0.011
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	37	23	49	3	2	2	0.020	5	0	0.015	0.011
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	37	23	49	2	1	2	0.105	5	0	0.059	0.042
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	37	23	49	1	2	2	0.046	5	0	0.031	0.022
189839P	47790	SD	HUGHES	FARM ISLAND RD	PIERRE	PASSIVE	PASSIVE	80	37	23	49	2	1	2	0.082	5	0	0.050	0.035
189840J	47840	SD	HUGHES	UPS RD	PIERRE	PASSIVE	PASSIVE	30	37	23	49	1	1	2	0.057	5	0	0.037	0.027
189841R	47890	SD	HUGHES	RECREATIONAL/ GOL	PIERRE	PASSIVE	PASSIVE	1	11	6.88	40	1	1	2	0.008	5	0	0.006	0.004
189842X	47950	SD	HUGHES	LOWELL RD	PIERRE	PASSIVE	PASSIVE	1000	37	23	40	2	1	2	0.196	5	0	0.088	0.063
189843E	48000	SD	HUGHES	INDUSTRIAL	PIERRE	PASSIVE	PASSIVE	3798	37	23	40	2	1	2	0.321	5	0	0.112	0.080
189844L	48050	SD	HUGHES	HARRISON	PIERRE	PASSIVE	PASSIVE	100	37	23	40	2	1	2	0.084	5	1	0.130	0.093
189845T	48070	SD	HUGHES	MONROE	PIERRE	PASSIVE	PASSIVE	1560	37	23	40	2	1	2	0.231	5	0	0.096	0.069
189846A	48110	SD	HUGHES	HWY 14/ 34	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	19755	37	23	40	2	1	4	0.721	5	0	0.149	0.079
189847G	48140	SD	HUGHES	REE ST	PIERRE	PASSIVE	PASSIVE	1020	37	23	40	1	1	2	0.197	5	0	0.088	0.063
189848N	48160	SD	HUGHES	HIGHLAND AVE	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	6045	37	23	40	1	1	2	0.254	5	0	0.101	0.053
189850P	48190	SD	HUGHES	CENTRAL ST	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	6365	37	23	40	1	1	2	0.260	5	0	0.102	0.054
189851W	48220	SD	HUGHES	POPLAR	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	1149	11	6.875	40	1	1	2	0.068	5	0	0.043	0.023

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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
189856F	48350	SD	STANLEY	HWY 14/ 34	FORT PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	3500	37	23	40	1	1	2	0.203	5	0	0.090	0.047
189857M	48370	SD	STANLEY	STANLEY RD	FORT PIERRE	PASSIVE	PASSIVE	50	37	23	40	1	2	2	0.036	5	0	0.025	0.018
189858U	048410	SD	STANLEY	7TH AVE/SALEBARN R	FORT PIERRE	PASSIVE	PASSIVE	392	37	23	40	2	2	2	0.076	5	1	0.124	0.089
189859B	48430	SD	STANLEY	FIFTH AVE	FORT PIERRE	PASSIVE	PASSIVE	211	37	23	40	2	2	2	0.061	5	0	0.039	0.028
189860V	48450	SD	STANLEY	SECOND AVE	FORT PIERRE	PASSIVE	PASSIVE	756	37	23	40	1	1	2	0.177	5	0	0.083	0.059
189861C	048460	SD	STANLEY	MAIN AVE	FORT PIERRE	PASSIVE	PASSIVE	3136	37	23	40	1	1	2	0.299	5	0	0.109	0.078
189862J	48490	SD	STANLEY	PARK	FORT PIERRE	PASSIVE	PASSIVE	406	37	23	40	1	2	2	0.077	5	0	0.047	0.034
189864X	48590	SD	STANLEY	BAD RIVER RD	FORT PIERRE	PASSIVE	PASSIVE	385	37	23	49	1	2	2	0.081	5	0	0.049	0.035
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	37	23	49	2	2	1	0.024	5	0	0.018	0.013
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	37	23	49	1	2	1	0.021	5	0	0.016	0.011
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	37	23	49	3	2	2	0.041	5	0	0.028	0.020
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	PASSIVE	16	37	23	49	1	2	1	0.025	5	0	0.018	0.013
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	37	23	49	2	2	1	0.030	5	0	0.021	0.015
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	37	23	49	1	2	1	0.040	5	0	0.027	0.020
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	37	23	49	2	2	1	0.040	5	0	0.027	0.020
Segment 11 Wasta to Midland MP 533.2 to 605																			
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	PASSIVE	228	37	23	49	2	2	1	0.067	5	0	0.042	0.030
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	FLASHING LIGHTS	280	37	23	49	2	1	2	0.087	5	0	0.052	0.027
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	37	23	49	1	2	1	0.044	5	0	0.030	0.022
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	37	23	49	4	1	2	0.177	5	0	0.083	0.044
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	37	1	30	1	2	2	0.019	5	0	0.014	0.010
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	15	37	23	49	1	2	1	0.024	5	0	0.018	0.013
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	FLASHING LIGHTS	1020	37	23	49	1	1	2	0.122	5	1	0.158	0.084
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	37	23	49	1	2	1	0.041	5	0	0.028	0.020
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	26	37	23	49	1	2	2	0.030	5	0	0.021	0.015
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	37	23	49	1	2	1	0.035	5	0	0.025	0.018
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	37	23	49	1	2	1	0.022	5	0	0.017	0.012
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 5	QUINN	PASSIVE	PASSIVE	6	37	23	49	1	2	1	0.017	5	0	0.013	0.009
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	37	23	49	3	1	2	0.085	5	0	0.051	0.036
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	37	23	49	2	1	2	0.048	5	0	0.032	0.023

Pre/Post-Construction Accident Prediction Comparison
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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
Brookings County																	
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	2	0	0.008	0.018	B	0.009	108	NO	NO
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	2	0	0.042	0.070	A	0.028	36	YES	YES
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	2	0	0.016	0.031	B	0.015	65	NO	NO
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	2	0	0.027	0.050	B	0.023	44	NO	NO
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	2	0	0.034	0.060	A	0.025	39	YES	YES
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	2	0	0.008	0.017	B	0.009	112	NO	NO
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	2	0	0.008	0.017	B	0.009	108	NO	NO
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	2	0	0.008	0.017	B	0.009	111	NO	NO
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	2	0	0.008	0.017	B	0.009	114	NO	NO
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	2	0	0.011	0.023	B	0.012	84	NO	NO
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	2	0	0.008	0.018	B	0.009	107	NO	NO
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	2	0	0.009	0.019	B	0.010	102	NO	NO
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	2	0	0.007	0.016	B	0.008	121	NO	NO
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	2	0	0.009	0.018	B	0.010	105	NO	NO
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	2	0	0.008	0.018	B	0.009	106	NO	NO
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	2	0	0.008	0.016	B	0.009	116	NO	NO
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	2	0	0.004	0.009	B	0.005	210	NO	NO
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	2	0	0.022	0.041	B	0.020	51	NO	NO
197426R	028620	SD	BROOKINGS	475TH AVE	AURORA	PASSIVE	PASSIVE	21	2	0	0.007	0.014	B	0.008	131	NO	NO
197429L	028830	SD	BROOKINGS	34THAAVE	BROOKINGS	PASSIVE	PASSIVE	55	2	0	0.005	0.011	B	0.006	167	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE		2	0	0.005	0.017	B	0.012	82	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	4	2	0.180	0.225	A	0.045	22	YES	YES
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	2	0	0.030	0.046	B	0.016	61	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	2	0	0.037	0.054	A	0.018	57	YES	YES
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	4	0	0.048	0.066	A	0.018	56	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	2	0	0.026	0.044	B	0.018	54	NO	NO
197483E	029210	SD	BROOKINGS	6TH ST W	BROOKINGS	PASSIVE	PASSIVE	30	2	0	0.006	0.016	B	0.010	100	NO	NO
197484L	029240	SD	BROOKINGS	16TH AVE W	BROOKINGS	PASSIVE	PASSIVE	78	2	0	0.008	0.022	B	0.013	75	NO	NO
197485T	029350	SD	BROOKINGS	468TH AVE	BROOKINGS	PASSIVE	PASSIVE	20	2	0	0.005	0.014	B	0.009	113	NO	NO
197487G	029460	SD	BROOKINGS	467TH AVE	BROOKINGS	PASSIVE	PASSIVE	35	2	0	0.006	0.017	B	0.011	95	NO	NO
197440L	29650	SD	BROOKINGS	CASPIAN	VOLGA	GATES	GATES	46	2	0	0.005	0.011	B	0.006	172	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	2	0	0.023	0.040	B	0.017	58	NO	NO
197442A	029730	SD	BROOKINGS	KASAN ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	2	0	0.024	0.042	B	0.018	56	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	2	0	0.019	0.034	B	0.015	65	NO	NO
197445V	029840	SD	BROOKINGS	463RD AVE	VOLGA	PASSIVE	PASSIVE	10	2	0	0.005	0.014	B	0.009	105	NO	NO
197493K	029870	SD	BROOKINGS	HWY 14	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2962	2	0	0.027	0.046	B	0.019	53	NO	NO
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	2	0	0.007	0.016	B	0.009	107	NO	NO
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	PASSIVE	17	1	0	0.005	0.013	B	0.008	128	NO	NO
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	PASSIVE	170	2	1	0.066	0.107	A	0.041	25	YES	YES
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	2	0	0.006	0.015	B	0.009	113	NO	NO
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	2	0	0.007	0.016	B	0.009	107	NO	NO
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	2	0	0.006	0.014	B	0.008	122	NO	NO
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	2	0	0.005	0.013	B	0.008	124	NO	NO
							Total			**3**	**0.813**	**1.401**		**0.588**	**2**	Number of crossings	
							Minimum				**0.004**	**0.009**		**0.005**	**210**	in the County =	**43**
							Maximum				**0.180**	**0.225**		**0.045**	**22**		
Kingsbury County																	
197451Y	030800	SD	KINGSBURY	US HWY 81	ARLINGTON	FLASHING LIGHTS	FLASHING LIGHTS	1536	4	0	0.029	0.048	B	0.019	52	NO	NO
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	2	0	0.028	0.059	A	0.031	32	YES	YES
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	2	0	0.012	0.033	B	0.021	47	NO	NO
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	2	0	0.022	0.054	A	0.032	31	YES	YES

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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	2	0	0.007	0.018	B	0.011	87	NO	NO
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	2	0	0.008	0.021	B	0.014	74	NO	NO
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	2	0	0.005	0.014	B	0.009	111	NO	NO
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	2	1	0.065	0.114	A	0.049	20	YES	YES
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	151	2	0	0.010	0.025	B	0.015	68	NO	NO
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	2	0	0.004	0.011	B	0.007	139	NO	NO
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	2	0	0.003	0.009	B	0.006	175	NO	NO
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	2	0	0.024	0.054	A	0.030	34	YES	YES
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	2	1	0.044	0.070	A	0.026	39	YES	YES
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	2	0	0.040	0.077	A	0.037	27	YES	YES
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	2	0	0.008	0.023	B	0.014	71	NO	NO
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	2	2	0.068	0.109	A	0.041	24	YES	YES
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	2	0	0.003	0.009	B	0.006	175	NO	NO
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	2	0	0.003	0.007	B	0.005	209	NO	NO
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	2	0	0.008	0.022	B	0.014	74	NO	NO
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	2	0	0.005	0.013	B	0.008	122	NO	NO
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	2	0	0.006	0.016	B	0.010	101	NO	NO
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	2	1	0.045	0.073	A	0.028	36	YES	YES
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	2	1	0.071	0.125	A	0.053	19	YES	YES
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	FLASHING LIGHTS	3063	2	0	0.028	0.051	B	0.023	44	NO	NO
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	2	0	0.019	0.044	B	0.026	39	NO	NO
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	2	0	0.010	0.026	B	0.016	63	NO	NO
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	2	0	0.027	0.059	A	0.032	31	YES	YES
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	2	0	0.006	0.017	B	0.011	95	NO	NO
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	2	0	0.002	0.006	B	0.004	241	NO	NO
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	2	0	0.006	0.017	B	0.011	92	NO	NO
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	1	0	0.004	0.011	B	0.007	139	NO	NO
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	2	0	0.006	0.017	B	0.011	93	NO	NO
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	2	0	0.004	0.011	B	0.007	139	NO	NO
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	2	0	0.020	0.046	B	0.027	38	NO	NO
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	2	0	0.007	0.018	B	0.012	86	NO	NO
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	2	0	0.005	0.013	B	0.009	117	NO	NO
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	1	0	0.007	0.020	B	0.013	78	NO	NO
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	2	0	0.007	0.020	B	0.013	78	NO	NO
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	1	0	0.004	0.010	B	0.007	150	NO	NO
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	2	0	0.005	0.013	B	0.008	122	NO	NO
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	2	0	0.005	0.014	B	0.009	113	NO	NO
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	1285	2	0	0.018	0.037	B	0.019	53	NO	NO
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	2	0	0.025	0.059	A	0.034	29	YES	YES
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	2	0	0.011	0.030	B	0.020	51	NO	NO
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	157	2	0	0.009	0.020	B	0.011	91	NO	NO
							Total			6	0.751	1.563		0.812	1	Number of crossings	
							Minimum				0.002	0.006		0.004	241	In the County =	45
							Maximum				0.071	0.125		0.053	19		
Beadle County																	
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	2	0	0.004	0.011	B	0.007	139	NO	NO
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	2	0	0.007	0.018	B	0.011	88	NO	NO
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	2	0	0.004	0.011	B	0.007	139	NO	NO
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	2	0	0.009	0.023	B	0.015	69	NO	NO
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	2	0	0.006	0.017	B	0.011	93	NO	NO
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	2	0	0.005	0.014	B	0.009	113	NO	NO
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	2	0	0.006	0.017	B	0.011	93	NO	NO

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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	2	0	0.019	0.045	B	0.026	39	NO	NO
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	2	0	0.005	0.013	B	0.008	122	NO	NO
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	2	0	0.005	0.013	B	0.008	122	NO	NO
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	2	0	0.006	0.017	B	0.011	91	NO	NO
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	2	0	0.007	0.018	B	0.012	87	NO	NO
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	2	0	0.006	0.018	B	0.011	89	NO	NO
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	2	0	0.007	0.018	B	0.012	86	NO	NO
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	45	2	0	0.005	0.013	B	0.007	136	NO	NO
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	2	1	0.074	0.132	A	0.058	17	YES	YES
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	11030	4	0	0.055	0.078	A	0.023	43	YES	YES
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	5290	2	0	0.047	0.071	A	0.024	41	YES	YES
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	FLASHING LIGHTS	2137	4	1	0.073	0.114	A	0.042	24	YES	YES
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	2	0	0.009	0.025	B	0.016	62	NO	NO
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	2	0	0.011	0.029	B	0.018	55	NO	NO
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	1	0	0.006	0.016	B	0.010	97	NO	NO
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	1	0	0.005	0.014	B	0.009	109	NO	NO
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	2	2	0.112	0.188	A	0.076	13	YES	YES
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	2	0	0.006	0.017	B	0.011	91	NO	NO
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	1	0	0.005	0.014	B	0.009	109	NO	NO
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	2	0	0.005	0.014	B	0.009	110	NO	NO
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	1	0	0.002	0.007	B	0.005	205	NO	NO
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	FLASHING LIGHTS	2671	2	1	0.069	0.129	A	0.060	17	YES	YES
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	1	0	0.009	0.029	B	0.021	49	NO	NO
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	1	0	0.004	0.016	B	0.011	90	NO	NO
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	1	0	0.004	0.015	B	0.011	93	NO	NO
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	2	0	0.004	0.013	B	0.009	109	NO	NO
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	1	0	0.004	0.014	B	0.010	99	NO	NO
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	1	0	0.003	0.012	B	0.009	117	NO	NO
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	2	0	0.004	0.014	B	0.010	99	NO	NO
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	2	0	0.004	0.015	B	0.011	92	NO	NO
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	2	1	0.074	0.145	A	0.071	14	YES	YES
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	2	0	0.020	0.055	A	0.035	28	YES	YES
							Total			6	0.708	1.441		0.733	1	Number of crossings	
							Minimum				0.002	0.007		0.005	205	In the County =	39
							Maximum				0.112	0.188		0.076	13		
Hand County																	
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	1	0	0.003	0.012	B	0.009	111	NO	NO
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	1	0	0.003	0.011	B	0.008	129	NO	NO
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	1	0	0.003	0.011	B	0.008	124	NO	NO
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	1	0	0.002	0.006	B	0.005	216	NO	NO
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	2	0	0.013	0.040	B	0.027	37	NO	NO
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	1	0	0.001	0.005	B	0.004	276	NO	NO
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	1	0	0.004	0.015	B	0.011	92	NO	NO
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	1	0	0.001	0.005	B	0.004	276	NO	NO
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	1	0	0.002	0.008	B	0.006	169	NO	NO
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	2	0	0.013	0.039	B	0.026	38	NO	NO
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	2	0	0.008	0.027	B	0.019	52	NO	NO
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	2	1	0.030	0.046	B	0.016	62	NO	NO
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	1	0	0.004	0.015	B	0.011	92	NO	NO
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	2	0	0.019	0.054	A	0.034	29	YES	YES
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	2	0	0.026	0.054	A	0.028	36	YES	YES
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	1	0	0.009	0.029	B	0.020	49	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	1	0	0.003	0.012	B	0.009	111	NO	NO
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.006	B	0.005	216	NO	NO
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.006	B	0.005	216	NO	NO
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.006	B	0.005	216	NO	NO
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	1	0	0.005	0.019	B	0.013	74	NO	NO
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	1	0	0.002	0.007	B	0.005	187	NO	NO
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	1	0	0.002	0.009	B	0.006	157	NO	NO
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	1	0	0.002	0.006	B	0.005	216	NO	NO
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	2	0	0.013	0.037	B	0.024	42	NO	NO
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	1	0	0.002	0.009	B	0.006	157	NO	NO
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	1	0	0.002	0.006	B	0.005	216	NO	NO
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	1	0	0.003	0.010	B	0.007	140	NO	NO
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	1	0	0.004	0.014	B	0.010	99	NO	NO
							Total			1	0.186	0.527		0.341	3	Number of crossings	
							Minimum				0.001	0.005		0.004	276	in the County =	29
							Maximum				0.030	0.054		0.034	29		
Hyde County																	
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	PASSIVE	115	9	0	0.007	0.025	B	0.017	58	NO	NO
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	1	0	0.001	0.005	B	0.004	276	NO	NO
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	1	0	0.003	0.011	B	0.008	124	NO	NO
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	2	1	0.033	0.053	A	0.020	50	YES	YES
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	2	0	0.014	0.031	B	0.017	58	NO	NO
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	1	0	0.003	0.010	B	0.007	134	NO	NO
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	2	0	0.003	0.009	B	0.007	147	NO	NO
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	PASSIVE	36	2	0	0.005	0.017	B	0.012	82	NO	NO
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	1	0	0.003	0.011	B	0.008	124	NO	NO
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	1	0	0.004	0.014	B	0.010	97	NO	NO
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	2	0	0.011	0.035	B	0.024	41	NO	NO
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	1	0	0.002	0.007	B	0.005	187	NO	NO
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	1	0	0.002	0.007	B	0.005	187	NO	NO
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	1	0	0.003	0.010	B	0.007	140	NO	NO
							Total			1	0.094	0.247		0.153	7	Number of crossings	
							Minimum				0.001	0.005		0.004	276	in the County =	14
							Maximum				0.033	0.053		0.024	41		
Hughes County																	
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	1	0	0.004	0.014	B	0.010	99	NO	NO
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	1	0	0.004	0.014	B	0.010	99	NO	NO
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	FLASHING LIGHTS	300	2	3	0.107	0.173	A	0.066	15	YES	YES
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	2	0	0.014	0.042	B	0.028	36	NO	NO
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	1	0	0.005	0.017	B	0.012	83	NO	NO
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	2	0	0.005	0.017	B	0.012	83	NO	NO
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	1	0	0.004	0.013	B	0.009	106	NO	NO
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	1	0	0.003	0.011	B	0.008	129	NO	NO
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	2	0	0.003	0.011	B	0.008	129	NO	NO
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	2	0	0.014	0.042	B	0.028	35	NO	NO
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	2	0	0.006	0.022	B	0.016	64	NO	NO
189839P	47790	SD	HUGHES	FARM ISLAND RD	PIERRE	PASSIVE	PASSIVE	80	2	0	0.011	0.035	B	0.024	41	NO	NO
189840J	47840	SD	HUGHES	UPS RD	PIERRE	PASSIVE	PASSIVE	30	2	0	0.008	0.027	B	0.019	53	NO	NO
189841R	47890	SD	HUGHES	RECREATIONAL/ GOL	PIERRE	PASSIVE	PASSIVE	1	2	0	0.002	0.004	B	0.002	507	NO	NO
189842X	47950	SD	HUGHES	LOWELL RD	PIERRE	PASSIVE	PASSIVE	1000	2	0	0.026	0.063	A	0.037	27	YES	YES
189843E	48000	SD	HUGHES	INDUSTRIAL	PIERRE	PASSIVE	PASSIVE	3798	2	0	0.038	0.080	A	0.043	23	YES	YES
189844L	48050	SD	HUGHES	HARRISON	PIERRE	PASSIVE	PASSIVE	100	2	1	0.050	0.093	A	0.043	23	YES	YES

Pre/Post-Construction Accident Prediction Comparison
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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
189845T	48070	SD	HUGHES	MONROE	PIERRE	PASSIVE	PASSIVE	1560	2	0	0.029	0.069	A	0.040	25	YES	YES
189846A	48110	SD	HUGHES	HWY 14/ 34	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	19755	4	0	0.050	0.079	A	0.028	35	YES	YES
189847G	48140	SD	HUGHES	REE ST	PIERRE	PASSIVE	PASSIVE	1020	2	0	0.026	0.063	A	0.037	27	YES	YES
189848N	48160	SD	HUGHES	HIGHLAND AVE	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	6045	2	0	0.026	0.053	A	0.028	36	YES	YES
189850P	48190	SD	HUGHES	CENTRAL ST	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	6365	2	0	0.026	0.054	A	0.028	36	YES	YES
189851W	48220	SD	HUGHES	POPLAR	PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	1149	2	0	0.015	0.023	B	0.008	125	NO	NO
							Total			4	0.475	1.018		0.544	2	Number of crossings	
							Minimum				0.002	0.004		0.002	507	In the County =	23
							Maximum				0.107	0.173		0.066	15		
Stanley County																	
189856F	48350	SD	STANLEY	HWY 14/ 34	FORT PIERRE	FLASHING LIGHTS	FLASHING LIGHTS	3500	2	0	0.022	0.047	B	0.026	39	NO	NO
189857M	48370	SD	STANLEY	STANLEY RD	FORT PIERRE	PASSIVE	PASSIVE	50	2	0	0.005	0.018	B	0.012	81	NO	NO
189858U	048410	SD	STANLEY	7TH AVE/SALEBARN R	FORT PIERRE	PASSIVE	PASSIVE	392	2	1	0.049	0.089	A	0.040	25	YES	YES
189859B	48430	SD	STANLEY	FIFTH AVE	FORT PIERRE	PASSIVE	PASSIVE	211	2	0	0.009	0.028	B	0.019	53	NO	NO
189860V	48450	SD	STANLEY	SECOND AVE	FORT PIERRE	PASSIVE	PASSIVE	756	2	0	0.023	0.059	A	0.036	28	YES	YES
189861C	048460	SD	STANLEY	MAIN AVE	FORT PIERRE	PASSIVE	PASSIVE	3136	2	0	0.036	0.078	A	0.042	24	YES	YES
189862J	48490	SD	STANLEY	PARK	FORT PIERRE	PASSIVE	PASSIVE	406	2	0	0.011	0.034	B	0.023	44	NO	NO
189864X	48590	SD	STANLEY	BAD RIVER RD	FORT PIERRE	PASSIVE	PASSIVE	385	2	0	0.011	0.035	B	0.024	42	NO	NO
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	1	0	0.004	0.013	B	0.009	109	NO	NO
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	1	0	0.003	0.011	B	0.008	124	NO	NO
							Average/total			1	0.017	0.041		0.024	42	Number of crossings	
							Minimum				0.003	0.011		0.008	124	In the County =	10
							Maximum				0.049	0.089		0.042	24		
Jones County																	
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	2	0	0.006	0.020	B	0.014	69	NO	NO
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	PASSIVE	16	1	0	0.004	0.013	B	0.009	106	NO	NO
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	1	0	0.004	0.015	B	0.011	92	NO	NO
							Total			0	0.014	0.048		0.035	29	Number of crossings	
							Minimum				0.004	0.013		0.009	106	In the County =	3
							Maximum				0.006	0.020		0.014	69		
Haakon County																	
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	1	0	0.006	0.020	B	0.014	72	NO	NO
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	1	0	0.006	0.020	B	0.014	71	NO	NO
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	PASSIVE	228	1	0	0.007	0.030	B	0.024	42	NO	NO
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	FLASHING LIGHTS	280	2	0	0.008	0.027	B	0.020	50	NO	NO
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	1	0	0.004	0.022	B	0.017	58	NO	NO
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	2	0	0.014	0.044	B	0.030	34	NO	NO
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	2	0	0.004	0.010	B	0.007	151	NO	NO
							Total			0	0.048	0.172		0.125	8	Number of crossings	
							Minimum				0.004	0.010		0.007	151	In the County =	7
							Maximum				0.014	0.044		0.030	34		
Jackson County																	
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	12	1	0	0.002	0.013	B	0.010	96	NO	NO
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	FLASHING LIGHTS	1020	2	1	0.040	0.084	A	0.044	23	YES	YES
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	1	0	0.004	0.020	B	0.016	63	NO	NO
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	26	2	0	0.003	0.015	B	0.012	81	NO	NO
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	1	0	0.004	0.018	B	0.014	70	NO	NO
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	1	0	0.002	0.012	B	0.010	105	NO	NO
							Total			1	0.055	0.161		0.107	9	Number of crossings	
							Minimum				0.002	0.012		0.010	105	In the County =	6
							Maximum				0.040	0.084		0.044	23		
Pennington County																	

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FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 5	QUINN	PASSIVE	PASSIVE	6	1	0	0.002	0.009	B	0.008	132	NO	NO
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	2	0	0.008	0.036	B	0.028	36	NO	NO
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	2	0	0.005	0.023	B	0.018	54	NO	NO
							Total			**0**	**0.015**	**0.069**		**0.054**	**18**	**Number of crossings**	
							Minimum				**0.002**	**0.009**		**0.008**	**132**	**in the County =**	**3**
							Maximum				**0.008**	**0.036**		**0.028**	**36**		

Post-Construction Accident Prediction Summary
Wyoming 20 MNT
Alternative B

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Wyoming MP 737.70 to 828.70																
Niobrara County																
73770	WY	OLD HWY 85		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
74070	WY	TOWNSHIP ROAD PIPE ROAD		PASSIVE	25	11	7	49	3	2	2	0.015	5	0	0.011	0.008
74120	WY	US HWY 85		FLASHING LIGHTS	800	11	7	49	3	1	2	0.086	5	0	0.051	0.027
Weston County																
74990	WY	CO HWY MORRISEY ROAD		PASSIVE	25	11	7	49	1	2	1	0.015	5	0	0.011	0.008
75180	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	11	7	49	1	2	2	0.020	5	0	0.015	0.010
76130	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	11	7	49	1	2	2	0.020	5	0	0.015	0.010
76180	WY	CO HWY GRIEVES ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
77030	WY	CO HWY BRUCE ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
Campbell County																
78100	WY	ST HWY 450		PASSIVE	430	11	7	49	3	1	2	0.079	5	0	0.048	0.034
79230	WY	KEELINE ROAD		PASSIVE	10	11	7	49	3	2	2	0.011	5	0	0.008	0.006
82230	WY	T-7 ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
82870	WY	BISHOP ROAD		FLASHING LIGHTS	700	11	7	49	1	1	2	0.056	5	0	0.036	0.019
830	WY	S. LEG PINEY CREEK		PASSIVE	10	11	7	49	1	2	2	0.011	5	0	0.008	0.006
1210	WY	S. LEG PHILLIPS ROAD		PASSIVE	10	11	7	49	1	2	1	0.011	5	0	0.008	0.006

Post-Construction Accident Prediction Summary
Wyoming 50 MNT
Alternative B

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Wyoming MP 737.70 to 828.70																
Niobrara County																
73770	WY	OLD HWY 85		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
74070	WY	TOWNSHIP ROAD PIPE ROAD		PASSIVE	25	21	13	49	3	2	2	0.022	5	0	0.016	0.011
74120	WY	US HWY 85		FLASHING LIGHTS	800	21	13	49	3	1	2	0.121	5	0	0.065	0.034
Weston County																
74990	WY	CO HWY MORRISEY ROAD		PASSIVE	25	21	13	49	1	2	1	0.022	5	0	0.016	0.011
75180	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	21	13	49	1	2	2	0.028	5	0	0.020	0.014
76130	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	21	13	49	1	2	2	0.028	5	0	0.020	0.014
76180	WY	CO HWY GRIEVES ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
77030	WY	CO HWY BRUCE ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
Campbell County																
78100	WY	ST HWY 450		PASSIVE	430	21	13	49	3	1	2	0.113	5	0	0.062	0.044
79230	WY	KEELINE ROAD		PASSIVE	10	21	13	49	3	2	2	0.015	5	0	0.012	0.008
82230	WY	T-7 ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
82870	WY	BISHOP ROAD		FLASHING LIGHTS	700	21	13	49	1	1	2	0.078	5	0	0.048	0.025
830	WY	S. LEG PINEY CREEK		PASSIVE	10	21	13	49	1	2	2	0.015	5	0	0.012	0.008
1210	WY	S. LEG PHILLIPS ROAD		PASSIVE	10	21	13	49	1	2	1	0.015	5	0	0.012	0.008

Post-Construction Accident Prediction Summary
Wyoming 100 MNT
Alternative B

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Wyoming MP 737.70 to 828.70																
Niobrara County																
73770	WY	OLD HWY 85		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
74070	WY	TOWNSHIP ROAD PIPE ROAD		PASSIVE	25	37	23	49	3	2	2	0.030	5	0	0.021	0.015
74120	WY	US HWY 85		FLASHING LIGHTS	800	37	23	49	3	1	2	0.163	5	0	0.079	0.042
Weston County																
74990	WY	CO HWY MORRISEY ROAD		PASSIVE	25	37	23	49	1	2	1	0.030	5	0	0.021	0.015
75180	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	37	23	49	1	2	2	0.038	5	0	0.026	0.019
76130	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	37	23	49	1	2	2	0.038	5	0	0.026	0.019
76180	WY	CO HWY GRIEVES ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
77030	WY	CO HWY BRUCE ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
Campbell County																
78100	WY	ST HWY 450		PASSIVE	430	37	23	49	3	1	2	0.154	5	0	0.076	0.054
79230	WY	KEELINE ROAD		PASSIVE	10	37	23	49	3	2	2	0.021	5	0	0.016	0.011
82230	WY	T-7 ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
82870	WY	BISHOP ROAD		FLASHING LIGHTS	700	37	23	49	1	1	2	0.105	5	0	0.059	0.031
830	WY	S. LEG PINEY CREEK		PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
1210	WY	S. LEG PHILLIPS ROAD		PASSIVE	10	37	23	49	1	2	1	0.021	5	0	0.016	0.011

Post-Construction Accident Prediction Summary
Wyoming 20 MNT
Alternative C

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Wyoming MP 737.70 to 828.70																
Niobrara County																
73770	WY	OLD HWY 85		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
74070	WY	TOWNSHIP ROAD PIPE ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
74120	WY	US HWY 85		FLASHING LIGHTS	800	11	7	49	1	1	2	0.059	5	0	0.038	0.020
Weston County																
74990	WY	CO HWY MORRISEY ROAD		PASSIVE	25	11	7	49	1	2	1	0.015	5	0	0.011	0.008
75180	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	11	7	49	1	2	2	0.020	5	0	0.015	0.010
76130	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	11	7	49	1	2	2	0.020	5	0	0.015	0.010
76180	WY	CO HWY GRIEVES ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
77030	WY	CO HWY BRUCE ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
78210	WY	CO HWY LYNCH ROAD		PASSIVE	25	11	7	49	2	2	2	0.015	5	0	0.011	0.008
78360	WY	CO HWY PINEY CREEK ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
Campbell County																
79440	WY	WY 450		FLASHING LIGHTS	1010	11	7	49	1	1	2	0.065	5	0	0.041	0.022
80460	WY	KEELINE ROAD		PASSIVE	10	11	7	49	1	2	2	0.011	5	0	0.008	0.006
82230	WY	T-7 ROAD		PASSIVE	25	11	7	49	1	2	2	0.015	5	0	0.011	0.008
82870	WY	BISHOP ROAD		FLASHING LIGHTS	700	11	7	49	1	1	2	0.056	5	0	0.036	0.019
830	WY	S. LEG PINEY CREEK		PASSIVE	10	11	7	49	1	2	2	0.011	5	0	0.008	0.006
1210	WY	S. LEG PHILLIPS ROAD		PASSIVE	10	11	7	49	1	2	1	0.011	5	0	0.008	0.006

Post-Construction Accident Prediction Summary
Wyoming 50 MNT
Alternative C

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Wyoming MP 737.70 to 828.70																
Niobrara County																
73770	WY	OLD HWY 85		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
74070	WY	TOWNSHIP ROAD PIPE ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
74120	WY	US HWY 85		FLASHING LIGHTS	800	21	13	49	1	1	2	0.082	5	0	0.050	0.026
Weston County																
74990	WY	CO HWY MORRISEY ROAD		PASSIVE	25	21	13	49	1	2	1	0.022	5	0	0.016	0.011
75180	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	21	13	49	1	2	2	0.028	5	0	0.020	0.014
76130	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	21	13	49	1	2	2	0.028	5	0	0.020	0.014
76180	WY	CO HWY GRIEVES ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
77030	WY	CO HWY BRUCE ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
78210	WY	CO HWY LYNCH ROAD		PASSIVE	25	21	13	49	2	2	2	0.022	5	0	0.016	0.011
78360	WY	CO HWY PINEY CREEK ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
Campbell County																
79440	WY	WY 450		FLASHING LIGHTS	1010	21	13	49	1	1	2	0.091	5	0	0.053	0.028
80460	WY	KEELINE ROAD		PASSIVE	10	21	13	49	1	2	2	0.015	5	0	0.012	0.008
82230	WY	T-7 ROAD		PASSIVE	25	21	13	49	1	2	2	0.022	5	0	0.016	0.011
82870	WY	BISHOP ROAD		FLASHING LIGHTS	700	21	13	49	1	1	2	0.078	5	0	0.048	0.025
830	WY	S. LEG PINEY CREEK		PASSIVE	10	21	13	49	1	2	2	0.015	5	0	0.012	0.008
1210	WY	S. LEG PHILLIPS ROAD		PASSIVE	10	21	13	49	1	2	1	0.015	5	0	0.012	0.008

Post-Construction Accident Prediction Summary
Wyoming 100 MNT
Alternative C

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Wyoming MP 737.70 to 828.70																
Niobrara County																
73770	WY	OLD HWY 85		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
74070	WY	TOWNSHIP ROAD PIPE ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
74120	WY	US HWY 85		FLASHING LIGHTS	800	37	23	49	1	1	2	0.111	5	0	0.061	0.032
Weston County																
74990	WY	CO HWY MORRISEY ROAD		PASSIVE	25	37	23	49	1	2	1	0.030	5	0	0.021	0.015
75180	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	37	23	49	1	2	2	0.038	5	0	0.026	0.019
76130	WY	CO HWY CHEYENNE RIVER ROAD		PASSIVE	50	37	23	49	1	2	2	0.038	5	0	0.026	0.019
76180	WY	CO HWY GRIEVES ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
77030	WY	CO HWY BRUCE ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
78210	WY	CO HWY LYNCH ROAD		PASSIVE	25	37	23	49	2	2	2	0.030	5	0	0.021	0.015
78360	WY	CO HWY PINEY CREEK ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
Campbell County																
79440	WY	WY 450		FLASHING LIGHTS	1010	37	23	49	1	1	2	0.122	5	0	0.066	0.035
80460	WY	KEELINE ROAD		PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
82230	WY	T-7 ROAD		PASSIVE	25	37	23	49	1	2	2	0.030	5	0	0.021	0.015
82870	WY	BISHOP ROAD		FLASHING LIGHTS	700	37	23	49	1	1	2	0.105	5	0	0.059	0.031
830	WY	S. LEG PINEY CREEK		PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
1210	WY	S. LEG PHILLIPS ROAD		PASSIVE	10	37	23	49	1	2	1	0.021	5	0	0.016	0.011

Pre-Construction Accident Prediction Summary
Wyoming 20 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Route D Wyoming																
Weston County																
510.90	WY	Whoopup Canyon Road		PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
518.30	WY	Old Highway 85		PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
522.10	WY	US HWY 85	Newcastle	PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
522.30	WY	Faye Ave.	Newcastle	GATES	221	12	8	49	1	2	2	0.024	5	0	0.018	0.009
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	100	51	32	49	1	2	2	0.059	5	0	0.038	0.027
522.50	WY	West Main Street	Newcastle	GATES	4700	51	32	49	3	1	4	0.210	5	0	0.091	0.045
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	652	51	32	49	1	2	2	0.120	5	0	0.065	0.034
523.00	WY	Williams Ave.	Newcastle	PASSIVE	100	51	32	49	1	2	2	0.059	5	0	0.038	0.027
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	1189	45	28	49	1	1	2	0.144	5	0	0.073	0.039
525.00	WY	Oil Creek Road		PASSIVE	100	45	28	49	1	2	2	0.055	5	0	0.036	0.026
531.80	WY	E. Rail Road Street	Osage	PASSIVE	252	14	9	49	2	2	2	0.041	5	0	0.028	0.020
532.70	WY	Skull Creek Road	Osage	GATES	480	14	9	49	3	2	2	0.044	5	0	0.030	0.015
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
544.00	WY	Highway 16		PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
546.20	WY	Highway 116	UPTON	GATES	790	11	7	49	3	1	2	0.046	5	0	0.031	0.015
546.50	WY	Pine Street	UPTON	GATES	35	14	9	49	3	1	1	0.018	5	0	0.013	0.006
555.00	WY	Thorn Road		PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
Crook County																
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
565.30	WY	Warbonnet Road	MOORCROFT	GATES	20	48	30	50	2	2	9	0.072	5	0	0.045	0.022
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	33	48	30	50	1	2	1	0.038	5	1	0.087	0.063
573.40	WY	Donkey Creek Road		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
574.20	WY	Wessex Road		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
Campbell County																
576.40	WY	State Highway 51 (14/16)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
577.00	WY	Stewart Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
580.00	WY	Adon Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
582.40	WY	Svaling Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
582.70	WY	State Highway 51 (14/16)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
3.00	WY	Timber Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
4.50	WY	Timber Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
13.10	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	T-7 Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Keeline Road	WRIGHT	GATES	42	6	4	49	2	1	2	0.012	5	0	0.009	0.005

Pre-Construction Accident Prediction Summary
Wyoming 20 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
	WY	Little Thunder Road	WRIGHT	GATES	26	6	4	49	2	1	2	0.011	5	0	0.008	0.004
	WY	State Highway 450		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Little Thunder Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	School Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Reno County Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Piney Creek Road (Mackey Road)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
Converse County																
	WY	Irwin Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010

Post-Construction Accident Prediction Summary
Wyoming 20 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Route D Wyoming																
Weston County																
510.90	WY	Whoopup Canyon Road		PASSIVE	100	23	14	49	3	2	2	0.038	5	0	0.026	0.019
518.30	WY	Old Highway 85		PASSIVE	100	23	14	49	3	2	2	0.038	5	0	0.026	0.019
522.10	WY	US HWY 85	Newcastle	PASSIVE	100	23	14	49	3	2	2	0.038	5	0	0.026	0.019
522.30	WY	Faye Ave.	Newcastle	GATES	221	23	14	49	3	2	2	0.044	5	0	0.030	0.015
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	100	62	39	49	5	2	2	0.065	5	0	0.041	0.030
522.50	WY	West Main Street	Newcastle	GATES	4700	62	39	49	5	1	4	0.312	5	0	0.111	0.055
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	652	62	39	49	5	2	2	0.287	5	0	0.107	0.057
523.00	WY	Williams Ave.	Newcastle	PASSIVE	100	62	39	49	3	2	2	0.065	5	0	0.041	0.030
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	1189	56	35	49	3	1	2	0.238	5	0	0.097	0.052
525.00	WY	Oil Creek Road		PASSIVE	100	56	35	49	3	2	2	0.062	5	0	0.040	0.028
531.80	WY	E. Rail Road Street	Osage	PASSIVE	252	25	16	49	3	2	2	0.056	5	0	0.037	0.026
532.70	WY	Skull Creek Road	Osage	GATES	480	25	16	49	4	2	2	0.067	5	0	0.042	0.021
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	100	25	16	49	4	2	2	0.040	5	0	0.027	0.020
544.00	WY	Highway 16		PASSIVE	100	25	16	49	4	2	2	0.040	5	0	0.027	0.020
546.20	WY	Highway 116	UPTON	GATES	790	22	14	49	4	1	2	0.073	5	0	0.045	0.022
546.50	WY	Pine Street	UPTON	GATES	35	25	16	49	4	1	1	0.027	5	0	0.019	0.010
555.00	WY	Thorn Road		PASSIVE	100	25	16	49	5	2	2	0.040	5	0	0.027	0.020
Crook County																
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	100	59	37	49	5	2	2	0.064	5	0	0.041	0.029
565.30	WY	Warbonnet Road	MOORCROFT	GATES	20	59	37	49	3	2	9	0.092	5	0	0.054	0.026
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	33	59	37	49	2	2	1	0.042	5	1	0.092	0.066
573.40	WY	Donkey Creek Road		PASSIVE	100	59	37	49	2	2	2	0.064	5	0	0.041	0.029
574.20	WY	Wessex Road		PASSIVE	100	59	37	49	2	2	2	0.064	5	0	0.041	0.029
Campbell County																
576.40	WY	State Highway 51 (14/16)		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
577.00	WY	Stewart Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
580.00	WY	Adon Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
582.40	WY	Svaling Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
582.70	WY	State Highway 51 (14/16)		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
3.00	WY	Timber Creek Road		PASSIVE	100	17	11	49	3	2	2	0.032	5	0	0.023	0.016
4.50	WY	Timber Creek Road		PASSIVE	100	17	11	49	3	2	2	0.032	5	0	0.023	0.016
13.10	WY	Bishop Road		PASSIVE	100	17	11	49	3	2	2	0.032	5	0	0.023	0.016
	WY	Bishop Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	Bishop Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	Bishop Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	T-7 Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	Keeline Road	WRIGHT	GATES	42	17	11	49	3	1	2	0.024	5	0	0.017	0.008

Post-Construction Accident Prediction Summary
Wyoming 20 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT	TRNS PER DAY	NO. THRU TRNS/DAY DAYLIGHT	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR)	NO. YRS	NO. OBSERVED ACCIDENTS 1993-1997	PREDICTED ACCIDENTS PER YR	Estimated Annual Accident Frequency
					c	t	d					a	T	N	B	A
	WY	Little Thunder Road	WRIGHT	GATES	26	17	11	49	3	1	2	0.020	5	0	0.015	0.007
	WY	State Highway 450		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	Little Thunder Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	School Creek Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	Reno County Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
	WY	Piney Creek Road (Mackey Road)		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016
Converse County																
	WY	Irwin Road		PASSIVE	100	17	11	49	2	2	2	0.032	5	0	0.023	0.016

Pre/Post-Construction Accident Prediction Comparison
Wyoming 20 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Increase in Frequency	1/Freq	Trip Threshold	State Top 50
								Pre-Construction	Post-Construction					
Alternative D Wyoming														
Weston County														
510.90	WY	Whoopup Canyon Road		PASSIVE	PASSIVE	100	0	0.014	0.019	B	0.005	196	NO	NO
518.30	WY	Old Highway 85		PASSIVE	PASSIVE	100	0	0.014	0.019	B	0.005	196	NO	NO
522.10	WY	US HWY 85	Newcastle	PASSIVE	PASSIVE	100	0	0.014	0.019	B	0.005	196	NO	NO
522.30	WY	Faye Ave.	Newcastle	GATES	GATES	221	0	0.009	0.015	B	0.006	163	NO	NO
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	PASSIVE	100	0	0.027	0.030	A	0.002	411	NO	YES
522.50	WY	West Main Street	Newcastle	GATES	GATES	4700	0	0.045	0.055	A	0.010	103	NO	YES
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	FLASHING LIGHTS	652	0	0.034	0.057	A	0.022	45	YES	YES
523.00	WY	Williams Ave.	Newcastle	PASSIVE	PASSIVE	100	0	0.027	0.030	A	0.002	411	NO	YES
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	FLASHING LIGHTS	1189	0	0.039	0.052	A	0.013	78	YES	YES
525.00	WY	Oil Creek Road		PASSIVE	PASSIVE	100	0	0.026	0.028	A	0.003	381	NO	YES
531.80	WY	E. Rail Road Street	Osage	PASSIVE	PASSIVE	252	0	0.020	0.026	A	0.006	164	NO	YES
532.70	WY	Skull Creek Road	Osage	GATES	GATES	480	0	0.015	0.021	B	0.006	163	NO	NO
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	PASSIVE	100	0	0.015	0.020	B	0.005	210	NO	NO
544.00	WY	Highway 16		PASSIVE	PASSIVE	100	0	0.015	0.020	B	0.005	210	NO	NO
546.20	WY	Highway 116	UPTON	GATES	GATES	790	0	0.015	0.022	B	0.007	140	NO	NO
546.50	WY	Pine Street	UPTON	GATES	GATES	35	0	0.006	0.010	B	0.003	324	NO	NO
555.00	WY	Thorn Road		PASSIVE	PASSIVE	100	0	0.015	0.020	B	0.005	210	NO	NO
					Total		**0**	**0.350**	**0.460**		**0.110**	**9**	Number of crossings	
					Minimum			**0.006**	**0.010**		**0.002**	**411**	in the County =	**17**
					Maximum			**0.045**	**0.057**		**0.022**	**45**		
Crook County														
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	PASSIVE	100	0	0.027	0.029	A	0.002	424	NO	YES
565.30	WY	Warbonnet Road	MOORCROFT	GATES	GATES	20	0	0.022	0.026	A	0.005	221	NO	YES
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	PASSIVE	33	1	0.063	0.066	A	0.003	310	NO	YES
573.40	WY	Donkey Creek Road		PASSIVE	PASSIVE	100	0	0.027	0.029	A	0.002	424	NO	YES
574.20	WY	Wessex Road		PASSIVE	PASSIVE	100	0	0.027	0.029	A	0.002	424	NO	YES
					Total		**1**	**0.165**	**0.179**		**0.015**	**67**	Number of crossings	
					Minimum			**0.022**	**0.026**		**0.002**	**424**	in the County =	**5**
					Maximum			**0.063**	**0.066**		**0.005**	**221**		
Campbell County														
576.40	WY	State Highway 51 (14/16)		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
577.00	WY	Stewart Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
580.00	WY	Adon Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
582.40	WY	Svaling Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
582.70	WY	State Highway 51 (14/16)		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
3.00	WY	Timber Creek Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
4.50	WY	Timber Creek Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
13.10	WY	Bishop Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	T-7 Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Keeline Road	WRIGHT	GATES	GATES	42	0	0.005	0.008	B	0.004	263	NO	NO

Pre/Post-Construction Accident Prediction Comparison
Wyoming 20 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Increase in Frequency	1/Freq	Trip Threshold	State Top 50
								Pre-Construction	Post-Construction					
	WY	Little Thunder Road	WRIGHT	GATES	GATES	26	0	0.004	0.007	B	0.003	298	NO	NO
	WY	State Highway 450		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Little Thunder Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	School Creek Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Reno County Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
	WY	Piney Creek Road (Mackey Road)		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
					Total		**0**	**0.175**	**0.294**		**0.119**	**8**	Number of crossings	
					Minimum			**0.004**	**0.007**		**0.003**	**298**	In the County =	**19**
					Maximum			**0.010**	**0.016**		**0.007**	**152**		
Converse County														
	WY	Irwin Road		PASSIVE	PASSIVE	100	0	0.010	0.016	B	0.007	152	NO	NO
					Total		**0**	**0.010**	**0.016**		**0.007**	**152**	Number of crossings	
					Minimum			**0.010**	**0.016**		**0.007**	**152**	In the County =	**1**
					Maximum			**0.010**	**0.016**		**0.007**	**152**		

Pre-Construction Accident Prediction Summary
Wyoming 50 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Route D Wyoming																
Weston County																
510.90	WY	Whoopup Canyon Road		PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
518.30	WY	Old Highway 85		PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
522.10	WY	US HWY 85	Newcastle	PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
522.30	WY	Faye Ave.	Newcastle	GATES	221	12	8	49	1	2	2	0.024	5	0	0.018	0.009
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	100	51	32	49	1	2	2	0.059	5	0	0.038	0.027
522.50	WY	West Main Street	Newcastle	GATES	4700	51	32	49	3	1	4	0.210	5	0	0.091	0.045
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	652	51	32	49	1	2	2	0.120	5	0	0.065	0.034
523.00	WY	Williams Ave.	Newcastle	PASSIVE	100	51	32	49	1	2	2	0.059	5	0	0.038	0.027
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	1189	45	28	49	1	1	2	0.144	5	0	0.073	0.039
525.00	WY	Oil Creek Road		PASSIVE	100	45	28	49	1	2	2	0.055	5	0	0.036	0.026
531.80	WY	E. Rail Road Street	Osage	PASSIVE	252	14	9	49	2	2	2	0.041	5	0	0.028	0.020
532.70	WY	Skull Creek Road	Osage	GATES	480	14	9	49	3	2	2	0.044	5	0	0.030	0.015
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
544.00	WY	Highway 16		PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
546.20	WY	Highway 116	UPTON	GATES	790	11	7	49	3	1	2	0.046	5	0	0.031	0.015
546.50	WY	Pine Street	UPTON	GATES	35	14	9	49	3	1	1	0.018	5	0	0.013	0.006
555.00	WY	Thorn Road		PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
Crook County																
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
565.30	WY	Warbonnet Road	MOORCROFT	GATES	20	48	30	50	2	2	9	0.072	5	0	0.045	0.022
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	33	48	30	50	1	2	1	0.038	5	1	0.087	0.063
573.40	WY	Donkey Creek Road		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
574.20	WY	Wessex Road		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
Campbell County																
576.40	WY	State Highway 51 (14/16)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
577.00	WY	Stewart Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
580.00	WY	Adon Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
582.40	WY	Svaling Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
582.70	WY	State Highway 51 (14/16)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
3.00	WY	Timber Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
4.50	WY	Timber Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
13.10	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	T-7 Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Keeline Road	WRIGHT	GATES	42	6	4	49	2	1	2	0.012	5	0	0.009	0.005

Pre-Construction Accident Prediction Summary
Wyoming 50 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
	WY	Little Thunder Road	WRIGHT	GATES	26	6	4	49	2	1	2	0.011	5	0	0.008	0.004
	WY	State Highway 450		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Little Thunder Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	School Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Reno County Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Piney Creek Road (Mackey Road)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
Converse County																
	WY	Irwin Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010

Post-Construction Accident Prediction Summary
Wyoming 50 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Route D Wyoming																
Weston County																
510.90	WY	Whoopup Canyon Road		PASSIVE	100	33	21	49	3	2	2	0.046	5	0	0.031	0.022
518.30	WY	Old Highway 85		PASSIVE	100	33	21	49	3	2	2	0.046	5	0	0.031	0.022
522.10	WY	US HWY 85	Newcastle	PASSIVE	100	33	21	49	3	2	2	0.046	5	0	0.031	0.022
522.30	WY	Faye Ave.	Newcastle	GATES	221	33	21	49	3	2	2	0.052	5	0	0.035	0.017
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	100	72	45	49	5	2	2	0.071	5	0	0.044	0.032
522.50	WY	West Main Street	Newcastle	GATES	4700	72	45	49	5	1	4	0.334	5	0	0.114	0.056
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	652	72	45	49	5	2	2	0.311	5	0	0.111	0.059
523.00	WY	Williams Ave.	Newcastle	PASSIVE	100	72	45	49	3	2	2	0.071	5	0	0.044	0.032
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	1189	66	41	49	3	1	2	0.259	5	0	0.102	0.054
525.00	WY	Oil Creek Road		PASSIVE	100	66	41	49	3	2	2	0.068	5	0	0.043	0.030
531.80	WY	E. Rail Road Street	Osage	PASSIVE	252	35	22	49	3	2	2	0.067	5	0	0.042	0.030
532.70	WY	Skull Creek Road	Osage	GATES	480	35	22	49	4	2	2	0.079	5	0	0.048	0.024
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	100	35	22	49	4	2	2	0.048	5	0	0.032	0.023
544.00	WY	Highway 16		PASSIVE	100	35	22	49	4	2	2	0.048	5	0	0.032	0.023
546.20	WY	Highway 116	UPTON	GATES	790	32	20	49	4	1	2	0.087	5	0	0.052	0.025
546.50	WY	Pine Street	UPTON	GATES	35	35	22	49	4	1	1	0.032	5	0	0.022	0.011
555.00	WY	Thorn Road		PASSIVE	100	35	22	49	5	2	2	0.048	5	0	0.032	0.023
Crook County																
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	100	69	43	49	5	2	2	0.069	5	0	0.043	0.031
565.30	WY	Warbonnet Road	MOORCROFT	GATES	20	69	43	49	3	2	9	0.099	5	0	0.057	0.028
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	33	69	43	49	2	2	1	0.046	5	1	0.096	0.069
573.40	WY	Donkey Creek Road		PASSIVE	100	69	43	49	2	2	2	0.069	5	0	0.043	0.031
574.20	WY	Wessex Road		PASSIVE	100	69	43	49	2	2	2	0.069	5	0	0.043	0.031
Campbell County																
576.40	WY	State Highway 51 (14/16)		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
577.00	WY	Stewart Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
580.00	WY	Adon Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
582.40	WY	Svaling Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
582.70	WY	State Highway 51 (14/16)		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
3.00	WY	Timber Creek Road		PASSIVE	100	27	17	49	3	2	2	0.041	5	0	0.028	0.020
4.50	WY	Timber Creek Road		PASSIVE	100	27	17	49	3	2	2	0.041	5	0	0.028	0.020
13.10	WY	Bishop Road		PASSIVE	100	27	17	49	3	2	2	0.041	5	0	0.028	0.020
	WY	Bishop Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	Bishop Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	Bishop Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	T-7 Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	Keeline Road	WRIGHT	GATES	42	27	17	49	3	1	2	0.029	5	0	0.021	0.010

Post-Construction Accident Prediction Summary
Wyoming 50 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT	TRNS PER DAY	NO. THRU TRNS/DAY DAYLIGHT	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR)	NO. YRS	NO. OBSERVED ACCIDENTS 1993-1997	PREDICTED ACCIDENTS PER YR	Estimated Annual Accident Frequency
					c	t	d					a	T	N	B	A
	WY	Little Thunder Road	WRIGHT	GATES	26	27	17	49	3	1	2	0.025	5	0	0.018	0.009
	WY	State Highway 450		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	Little Thunder Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	School Creek Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	Reno County Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
	WY	Piney Creek Road (Mackey Road)		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020
Converse County																
	WY	Irwin Road		PASSIVE	100	27	17	49	2	2	2	0.041	5	0	0.028	0.020

Pre/Post-Construction Accident Prediction Comparison
Wyoming 50 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency Pre-Construction	Estimated Annual Accident Frequency Post-Construction	Category	Change in Frequency	1/Freq	Trip Threshold	State Top 50
Alternative D Wyoming																	
Weston County																	
510.90	WY	Whoopup Canyon Road		PASSIVE	PASSIVE	100	3	2	2	0	0.014	0.022	B	0.009	117	NO	NO
518.30	WY	Old Highway 85		PASSIVE	PASSIVE	100	3	2	2	0	0.014	0.022	B	0.009	117	NO	NO
522.10	WY	US HWY 85	Newcastle	PASSIVE	PASSIVE	100	3	2	2	0	0.014	0.022	B	0.009	117	NO	NO
522.30	WY	Faye Ave.	Newcastle	GATES	GATES	221	3	2	2	0	0.009	0.017	B	0.008	119	NO	NO
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	PASSIVE	100	5	2	2	0	0.027	0.032	A	0.004	227	NO	YES
522.50	WY	West Main Street	Newcastle	GATES	GATES	4700	5	1	4	0	0.045	0.056	A	0.011	88	YES	YES
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	FLASHING LIGHTS	652	5	2	2	0	0.034	0.059	A	0.024	41	YES	YES
523.00	WY	Williams Ave.	Newcastle	PASSIVE	PASSIVE	100	3	2	2	0	0.027	0.032	A	0.004	227	NO	YES
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	FLASHING LIGHTS	1189	3	1	2	0	0.039	0.054	A	0.015	66	YES	YES
525.00	WY	Oil Creek Road		PASSIVE	PASSIVE	100	3	2	2	0	0.026	0.030	A	0.005	212	NO	YES
531.80	WY	E. Rail Road Street	Osage	PASSIVE	PASSIVE	252	3	2	2	0	0.020	0.030	A	0.010	97	YES	YES
532.70	WY	Skull Creek Road	Osage	GATES	GATES	480	4	2	2	0	0.015	0.024	B	0.009	113	NO	NO
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	PASSIVE	100	4	2	2	0	0.015	0.023	B	0.008	123	NO	NO
544.00	WY	Highway 16		PASSIVE	PASSIVE	100	4	2	2	0	0.015	0.023	B	0.008	123	NO	NO
546.20	WY	Highway 116	UPTON	GATES	GATES	790	4	1	2	0	0.015	0.025	A	0.010	97	YES	YES
546.50	WY	Pine Street	UPTON	GATES	GATES	35	4	1	1	0	0.006	0.011	B	0.005	220	NO	NO
555.00	WY	Thorn Road		PASSIVE	PASSIVE	100	5	2	2	0	0.015	0.023	B	0.008	123	NO	NO
					Total					**0**	**0.350**	**0.506**		**0.157**	**6**	Number of crossings	
					Minimum						**0.006**	**0.011**		**0.004**	**227**	In the County =	**17**
					Maximum						**0.045**	**0.059**		**0.024**	**41**		
Crook County																	
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	PASSIVE	100	5	2	2	0	0.027	0.031	A	0.004	228	NO	YES
565.30	WY	Warbonnet Road	MOORCROFT	GATES	GATES	20	3	2	9	0	0.022	0.028	A	0.006	167	NO	YES
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	PASSIVE	33	2	2	1	1	0.063	0.069	A	0.006	166	NO	YES
573.40	WY	Donkey Creek Road		PASSIVE	PASSIVE	100	2	2	2	0	0.027	0.031	A	0.004	228	NO	YES
574.20	WY	Wessex Road		PASSIVE	PASSIVE	100	2	2	2	0	0.027	0.031	A	0.004	228	NO	YES
					Total					**1**	**0.165**	**0.190**		**0.025**	**40**	Number of crossings	
					Minimum						**0.022**	**0.028**		**0.004**	**228**	In the County =	**5**
					Maximum						**0.063**	**0.069**		**0.006**	**166**		
Campbell County																	
576.40	WY	State Highway 51 (14/16)		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
577.00	WY	Stewart Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
580.00	WY	Adon Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
582.40	WY	Svaling Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
582.70	WY	State Highway 51 (14/16)		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
3.00	WY	Timber Creek Road		PASSIVE	PASSIVE	100	3	2	2	0	0.010	0.020	B	0.011	94	NO	NO
4.50	WY	Timber Creek Road		PASSIVE	PASSIVE	100	3	2	2	0	0.010	0.020	B	0.011	94	NO	NO
13.10	WY	Bishop Road		PASSIVE	PASSIVE	100	3	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	T-7 Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Keeline Road	WRIGHT	GATES	GATES	42	3	1	2	0	0.005	0.010	B	0.006	177	NO	NO
	WY	Little Thunder Road	WRIGHT	GATES	GATES	26	3	1	2	0	0.004	0.009	B	0.005	200	NO	NO
	WY	State Highway 450		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Little Thunder Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	School Creek Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Reno County Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
	WY	Piney Creek Road (Mackey Road)		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
					Total					**0**	**0.175**	**0.366**		**0.191**	**5**	Number of crossings	

Pre/Post-Construction Accident Prediction Comparison
Wyoming 50 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
					Minimum						0.004	0.009		0.005	200	In the County =	19
					Maximum						0.010	0.020		0.011	94		
Converse County																	
	WY	Irwin Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.020	B	0.011	94	NO	NO
					Total					0	0.010	0.020		0.011	94	Number of crossings	
					Minimum						0.010	0.020		0.011	94	In the County =	1
					Maximum						0.010	0.020		0.011	94		

Pre-Construction Accident Prediction Summary
Wyoming 100 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Route D Wyoming																
Weston County																
510.90	WY	Whoopup Canyon Road		PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
518.30	WY	Old Highway 85		PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
522.10	WY	US HWY 85	Newcastle	PASSIVE	100	12	8	49	1	2	2	0.027	5	0	0.019	0.014
522.30	WY	Faye Ave.	Newcastle	GATES	221	12	8	49	1	2	2	0.024	5	0	0.018	0.009
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	100	51	32	49	1	2	2	0.059	5	0	0.038	0.027
522.50	WY	West Main Street	Newcastle	GATES	4700	51	32	49	3	1	4	0.210	5	0	0.091	0.045
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	652	51	32	49	1	2	2	0.120	5	0	0.065	0.034
523.00	WY	Williams Ave.	Newcastle	PASSIVE	100	51	32	49	1	2	2	0.059	5	0	0.038	0.027
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	1189	45	28	49	1	1	2	0.144	5	0	0.073	0.039
525.00	WY	Oil Creek Road		PASSIVE	100	45	28	49	1	2	2	0.055	5	0	0.036	0.026
531.80	WY	E. Rail Road Street	Osage	PASSIVE	252	14	9	49	2	2	2	0.041	5	0	0.028	0.020
532.70	WY	Skull Creek Road	Osage	GATES	480	14	9	49	3	2	2	0.044	5	0	0.030	0.015
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
544.00	WY	Highway 16		PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
546.20	WY	Highway 116	UPTON	GATES	790	11	7	49	3	1	2	0.046	5	0	0.031	0.015
546.50	WY	Pine Street	UPTON	GATES	35	14	9	49	3	1	1	0.018	5	0	0.013	0.006
555.00	WY	Thorn Road		PASSIVE	100	14	9	49	3	2	2	0.029	5	0	0.021	0.015
Crook County																
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
565.30	WY	Warbonnet Road	MOORCROFT	GATES	20	48	30	50	2	2	9	0.072	5	0	0.045	0.022
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	33	48	30	50	1	2	1	0.038	5	1	0.087	0.063
573.40	WY	Donkey Creek Road		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
574.20	WY	Wessex Road		PASSIVE	100	48	30	50	1	2	2	0.057	5	0	0.037	0.027
Campbell County																
576.40	WY	State Highway 51 (14/16)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
577.00	WY	Stewart Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
580.00	WY	Adon Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
582.40	WY	Svaling Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
582.70	WY	State Highway 51 (14/16)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
3.00	WY	Timber Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
4.50	WY	Timber Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
13.10	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Bishop Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	T-7 Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Keeline Road	WRIGHT	GATES	42	6	4	49	2	1	2	0.012	5	0	0.009	0.005

Pre-Construction Accident Prediction Summary
Wyoming 100 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
	WY	Little Thunder Road	WRIGHT	GATES	26	6	4	49	2	1	2	0.011	5	0	0.008	0.004
	WY	State Highway 450		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Little Thunder Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	School Creek Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Reno County Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
	WY	Piney Creek Road (Mackey Road)		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010
Converse County																
	WY	Irwin Road		PASSIVE	100	6	4	49	1	2	2	0.018	5	0	0.014	0.010

Post-Construction Accident Prediction Summary
Wyoming 100 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Route D Wyoming																
Weston County																
510.90	WY	Whoopup Canyon Road		PASSIVE	100	49	31	49	3	2	2	0.057	5	0	0.037	0.027
518.30	WY	Old Highway 85		PASSIVE	100	49	31	49	3	2	2	0.057	5	0	0.037	0.027
522.10	WY	US HWY 85	Newcastle	PASSIVE	100	49	31	49	3	2	2	0.057	5	0	0.037	0.027
522.30	WY	Faye Ave.	Newcastle	GATES	221	49	31	49	3	2	2	0.063	5	0	0.040	0.020
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	100	88	55	49	5	2	2	0.079	5	0	0.048	0.034
522.50	WY	West Main Street	Newcastle	GATES	4700	88	55	49	5	1	4	0.368	5	0	0.119	0.059
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	652	88	55	49	5	2	2	0.345	5	0	0.116	0.061
523.00	WY	Williams Ave.	Newcastle	PASSIVE	100	88	55	49	3	2	2	0.079	5	0	0.048	0.034
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	1189	82	51	49	3	1	2	0.290	5	0	0.107	0.057
525.00	WY	Oil Creek Road		PASSIVE	100	82	51	49	3	2	2	0.076	5	0	0.047	0.033
531.80	WY	E. Rail Road Street	Osage	PASSIVE	252	51	32	49	3	2	2	0.083	5	0	0.050	0.036
532.70	WY	Skull Creek Road	Osage	GATES	480	51	32	49	4	2	2	0.094	5	0	0.055	0.027
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	100	51	32	49	4	2	2	0.059	5	0	0.038	0.027
544.00	WY	Highway 16		PASSIVE	100	51	32	49	4	2	2	0.059	5	0	0.038	0.027
546.20	WY	Highway 116	UPTON	GATES	790	48	30	49	4	1	2	0.106	5	0	0.059	0.029
546.50	WY	Pine Street	UPTON	GATES	35	51	32	49	4	1	1	0.038	5	0	0.026	0.013
555.00	WY	Thorn Road		PASSIVE	100	51	32	49	5	2	2	0.059	5	0	0.038	0.027
Crook County																
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	100	85	53	49	5	2	2	0.078	5	0	0.047	0.034
565.30	WY	Warbonnet Road	MOORCROFT	GATES	20	85	53	49	3	2	9	0.109	5	0	0.061	0.030
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	33	85	53	49	2	2	1	0.052	5	1	0.102	0.073
573.40	WY	Donkey Creek Road		PASSIVE	100	85	53	49	2	2	2	0.078	5	0	0.047	0.034
574.20	WY	Wessex Road		PASSIVE	100	85	53	49	2	2	2	0.078	5	0	0.047	0.034
Campbell County																
576.40	WY	State Highway 51 (14/16)		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
577.00	WY	Stewart Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
580.00	WY	Adon Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
582.40	WY	Svaling Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
582.70	WY	State Highway 51 (14/16)		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
3.00	WY	Timber Creek Road		PASSIVE	100	43	27	49	3	2	2	0.054	5	0	0.035	0.025
4.50	WY	Timber Creek Road		PASSIVE	100	43	27	49	3	2	2	0.054	5	0	0.035	0.025
13.10	WY	Bishop Road		PASSIVE	100	43	27	49	3	2	2	0.054	5	0	0.035	0.025
	WY	Bishop Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	Bishop Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	Bishop Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	T-7 Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	Keeline Road	WRIGHT	GATES	42	43	27	49	3	1	2	0.036	5	0	0.025	0.013

Post-Construction Accident Prediction Summary
Wyoming 100 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
	WY	Little Thunder Road	WRIGHT	GATES	26	43	27	49	3	1	2	0.032	5	0	0.022	0.011
	WY	State Highway 450		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	Little Thunder Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	School Creek Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	Reno County Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
	WY	Piney Creek Road (Mackey Road)		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025
Converse County																
	WY	Irwin Road		PASSIVE	100	43	27	49	2	2	2	0.054	5	0	0.035	0.025

Pre/Post-Construction Accident Prediction Comparison
Wyoming 100 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
Alternative D Wyoming																	
Weston County																	
510.90	WY	Whoopup Canyon Road		PASSIVE	PASSIVE	100	3	2	2	0	0.014	0.027	A	0.013	77	YES	YES
518.30	WY	Old Highway 85		PASSIVE	PASSIVE	100	3	2	2	0	0.014	0.027	A	0.013	77	YES	YES
522.10	WY	US HWY 85	Newcastle	PASSIVE	PASSIVE	100	3	2	2	0	0.014	0.027	A	0.013	77	YES	YES
522.30	WY	Faye Ave.	Newcastle	GATES	GATES	221	3	2	2	0	0.009	0.020	B	0.011	89	NO	NO
522.40	WY	US Hwy 16 By-Pass	Newcastle	PASSIVE	PASSIVE	100	5	2	2	0	0.027	0.034	A	0.007	139	NO	YES
522.50	WY	West Main Street	Newcastle	GATES	GATES	4700	5	1	4	0	0.045	0.059	A	0.014	73	YES	YES
522.80	WY	Walker Ave.	Newcastle	FLASHING LIGHTS	FLASHING LIGHTS	652	5	2	2	0	0.034	0.061	A	0.027	37	YES	YES
523.00	WY	Williams Ave.	Newcastle	PASSIVE	PASSIVE	100	3	2	2	0	0.027	0.034	A	0.007	139	NO	YES
523.10	WY	Grove Ave.	Newcastle	FLASHING LIGHTS	FLASHING LIGHTS	1189	3	1	2	0	0.039	0.057	A	0.018	55	YES	YES
525.00	WY	Oil Creek Road		PASSIVE	PASSIVE	100	3	2	2	0	0.026	0.033	A	0.008	130	NO	YES
531.80	WY	E. Rail Road Street	Osage	PASSIVE	PASSIVE	252	3	2	2	0	0.020	0.036	A	0.015	65	YES	YES
532.70	WY	Skull Creek Road	Osage	GATES	GATES	480	4	2	2	0	0.015	0.027	A	0.012	82	YES	YES
535.00	WY	Baroid Road	CLAY SPUR	PASSIVE	PASSIVE	100	4	2	2	0	0.015	0.027	A	0.012	81	YES	YES
544.00	WY	Highway 16		PASSIVE	PASSIVE	100	4	2	2	0	0.015	0.027	A	0.012	81	YES	YES
546.20	WY	Highway 116	UPTON	GATES	GATES	790	4	1	2	0	0.015	0.029	A	0.014	71	YES	YES
546.50	WY	Pine Street	UPTON	GATES	GATES	35	4	1	1	0	0.006	0.013	B	0.006	156	NO	NO
555.00	WY	Thorn Road		PASSIVE	PASSIVE	100	5	2	2	0	0.015	0.027	A	0.012	81	YES	YES
					Total					**0**	**0.350**	**0.566**		**0.216**	**5**	**Number of crossings**	
					Minimum						**0.006**	**0.013**		**0.006**	**156**	**In the County =**	**17**
					Maximum						**0.045**	**0.061**		**0.027**	**37**		
Crook County																	
562.90	WY	Buffalo Creek Road (King Road)		PASSIVE	PASSIVE	100	5	2	2	0	0.027	0.034	A	0.007	138	NO	YES
565.30	WY	Warbonnet Road	MOORCROFT	GATES	GATES	20	3	2	9	0	0.022	0.030	A	0.008	125	NO	YES
566.60	WY	South Big Horn Ave	MOORCROFT	PASSIVE	PASSIVE	33	2	2	1	1	0.063	0.073	A	0.010	99	YES	YES
573.40	WY	Donkey Creek Road		PASSIVE	PASSIVE	100	2	2	2	0	0.027	0.034	A	0.007	138	NO	YES
574.20	WY	Wessex Road		PASSIVE	PASSIVE	100	2	2	2	0	0.027	0.034	A	0.007	138	NO	YES
					Total					**1**	**0.165**	**0.204**		**0.040**	**25**	**Number of crossings**	
					Minimum						**0.022**	**0.030**		**0.007**	**138**	**In the County =**	**5**
					Maximum						**0.063**	**0.073**		**0.010**	**99**		
Campbell County																	
576.40	WY	State Highway 51 (14/16)		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
577.00	WY	Stewart Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
580.00	WY	Adon Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
582.40	WY	Svaling Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
582.70	WY	State Highway 51 (14/16)		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
3.00	WY	Timber Creek Road		PASSIVE	PASSIVE	100	3	2	2	0	0.010	0.025	B	0.015	65	NO	NO
4.50	WY	Timber Creek Road		PASSIVE	PASSIVE	100	3	2	2	0	0.010	0.025	B	0.015	65	NO	NO
13.10	WY	Bishop Road		PASSIVE	PASSIVE	100	3	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Bishop Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	T-7 Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Keeline Road	WRIGHT	GATES	GATES	42	3	1	2	0	0.005	0.013	B	0.008	127	NO	NO
	WY	Little Thunder Road	WRIGHT	GATES	GATES	26	3	1	2	0	0.004	0.011	B	0.007	143	NO	NO
	WY	State Highway 450		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Little Thunder Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	School Creek Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Reno County Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
	WY	Piney Creek Road (Mackey Road)		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
					Total					**0**	**0.175**	**0.453**		**0.278**	**4**	**Number of crossings**	
					Minimum						**0.004**	**0.011**		**0.007**	**143**	**In the County =**	**19**
					Maximum						**0.010**	**0.025**		**0.015**	**65**		

Pre/Post-Construction Accident Prediction Comparison
Wyoming 100 MNT
Alternative D

MILEPOST	STATE	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
Converse County																	
	WY	Irwin Road		PASSIVE	PASSIVE	100	2	2	2	0	0.010	0.025	B	0.015	65	NO	NO
					Total					0	0.010	0.025		0.015	65	Number of crossings	
					Minimum						0.010	0.025		0.015	65	In the County =	1
					Maximum						0.010	0.025		0.015	65		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 286 to 299																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	5	20	1	2	2	0.022	5	0	0.016	0.012
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	29650	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	SEG ID	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																				
197426R	028620	6	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	11	7	49	2	2	2	0.018	5	0	0.014	0.010
197429L	028830	6	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	11	7	49	1	2	2	0.020	5	0	0.015	0.011
197430F	28870	6	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	11	7	49	1	2	2	0.011	5	0	0.008	0.006
197478H	28960	6	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	11	7	49	1	1	4	0.264	5	2	0.347	0.184
197479P	028970	6	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	11	7	49	1	1	2	0.102	5	0	0.058	0.031
197480J	029030	6	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	11	7	49	1	1	2	0.138	5	0	0.071	0.038
197481R	029090	6	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	11	7	49	1	1	4	0.218	5	0	0.093	0.049
197482X	029110	7	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	11	7	49	1	1	2	0.096	5	0	0.055	0.029
197483E	029210	7	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	11	7	49	2	2	2	0.033	5	0	0.023	0.017
197484L	029240	7	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	11	7	49	2	2	2	0.023	5	0	0.017	0.012
197485T	029350	7	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	11	7	49	2	2	2	0.021	5	0	0.016	0.011
197487G	029460	7	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	11	7	49	3	2	2	0.017	5	0	0.013	0.009
197440L	29650	7	SD	BROOKINGS		VOLGA	GATES	GATES	460	11	7	49	2	2	2	0.033	5	0	0.024	0.012
197441T	029720	7	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	11	7	49	1	1	2	0.082	5	0	0.049	0.026
197442A	029730	7	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	11	7	49	1	1	2	0.089	5	0	0.052	0.028
197443G	029740	7	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	11	7	49	1	1	2	0.063	5	0	0.040	0.021
197445V	029840	7	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	11	7	49	1	2	2	0.014	5	0	0.011	0.008
197493K	029870	7	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	11	7	49	1	1	2	0.110	5	0	0.061	0.032

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Increase in Frequency	1/Freq	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.010	B	0.001	738	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.011	B	0.001	672	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.006	B	0.001	1,180	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.184	A	0.003	293	NO	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.031	B	0.001	937	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.038	B	0.001	837	NO	NO
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.049	B	0.001	767	NO	NO
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.029	B	0.003	296	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.012	0.017	B	0.005	198	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.012	B	0.004	267	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.011	B	0.003	287	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.009	B	0.003	346	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.012	B	0.003	366	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.026	B	0.003	321	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.028	B	0.003	307	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.021	B	0.003	373	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.008	B	0.002	560	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.032	B	0.004	279	NO	NO
							Total	**2**	**0.487**	**0.533**		**0.046**	**22**	Number of crossings	
							Minimum		**0.005**	**0.006**		**0.001**	**1180**	in the County =	**18**
							Maximum		**0.180**	**0.184**		**0.005**	**198**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment -50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	2	20	1	2	2	0.019	5	0	0.014	0.010
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	29650	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	21	13	49	2	2	2	0.026	5	0	0.019	0.013
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	21	13	49	1	2	2	0.029	5	0	0.021	0.015
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	21	13	35	1	2	2	0.014	5	0	0.011	0.008
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	21	13	49	1	1	4	0.369	5	2	0.390	0.206
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	21	13	49	1	1	2	0.142	5	0	0.073	0.038
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	21	13	49	1	1	2	0.194	5	0	0.087	0.046
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	21	13	49	1	1	4	0.305	5	0	0.110	0.058
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	21	13	49	1	1	2	0.134	5	0	0.070	0.037
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	21	13	49	2	2	2	0.047	5	0	0.032	0.023
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	21	13	49	2	2	2	0.033	5	0	0.023	0.017
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	21	13	49	2	2	2	0.030	5	0	0.022	0.015
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	21	13	49	3	2	2	0.025	5	0	0.018	0.013
197440L	29650	SD	BROOKINGS		VOLGA	GATES	GATES	460	21	13	49	2	2	2	0.045	5	0	0.031	0.015
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	21	13	49	1	1	2	0.115	5	0	0.063	0.033
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	21	13	49	1	1	2	0.124	5	0	0.066	0.035
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	21	13	49	1	1	2	0.088	5	0	0.052	0.028
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	21	13	49	1	2	2	0.020	5	0	0.015	0.011
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	21	13	49	1	1	2	0.154	5	0	0.076	0.040

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment-50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.013	B	0.005	197	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.015	B	0.006	180	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.008	B	0.002	415	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.206	A	0.026	38	YES	YES
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.038	B	0.009	113	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.046	B	0.010	103	NO	NO
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.058	A	0.010	98	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.037	B	0.011	91	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.010	0.023	B	0.013	80	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.017	B	0.008	121	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.015	B	0.008	130	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.013	B	0.006	155	NO	NO
197440L	29650	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.015	B	0.006	161	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.033	B	0.010	97	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.035	B	0.011	94	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.028	B	0.009	111	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.011	B	0.005	210	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.040	B	0.012	86	NO	NO
							Total	**2**	**0.485**	**0.652**		**0.16666**	**6**	Number of crossings	
							Minimum		**0.005**	**0.008**		**0.00241**	**415**	In the County =	**18**
							Maximum		**0.180**	**0.206**		**0.02627**	**38**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment-100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6.25	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	5	20	1	2	2	0.022	5	0	0.016	0.012
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	29650	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	37	23	49	2	2	2	0.035	5	0	0.025	0.018
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	37	23	49	1	2	2	0.040	5	0	0.027	0.020
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	37	23	49	1	1	4	0.497	5	2	0.426	0.225
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	37	23	49	1	1	2	0.191	5	0	0.087	0.046
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	37	23	49	1	1	2	0.261	5	0	0.102	0.054
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	37	23	49	1	1	4	0.411	5	0	0.124	0.066
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	37	23	49	1	1	2	0.181	5	0	0.084	0.044
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	37	23	49	2	2	2	0.064	5	0	0.041	0.029
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	37	23	49	2	2	2	0.045	5	0	0.030	0.022
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	37	23	49	2	2	2	0.041	5	0	0.028	0.020
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	37	23	49	3	2	2	0.033	5	0	0.024	0.017
197440L	29650	SD	BROOKINGS		VOLGA	GATES	GATES	460	37	23	49	2	2	2	0.059	5	0	0.038	0.019
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	37	23	49	1	1	2	0.154	5	0	0.076	0.040
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	37	23	49	1	1	2	0.167	5	0	0.080	0.042
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	37	23	49	1	1	2	0.119	5	0	0.064	0.034
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	37	23	49	1	2	2	0.027	5	0	0.020	0.014
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	37	23	49	1	1	2	0.207	5	0	0.090	0.048

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment- 100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Increase in Frequency	1/Freq.	Trip Threshold	State Top 50
										Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4																
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	21	0	0.008	0.018	B	0.009	107	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	0	0.009	0.020	B	0.010	98	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE		0	0.005	0.011	B	0.006	167	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	2	0.180	0.225	A	0.045	22	YES	YES
197479P	28960	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	0	0.030	0.046	B	0.016	61	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	0	0.037	0.054	A	0.018	57	YES	YES
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	0	0.048	0.066	A	0.018	56	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	0	0.026	0.044	B	0.018	54	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	30	0	0.012	0.029	B	0.018	57	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	0	0.008	0.022	B	0.013	75	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	20	0	0.008	0.020	B	0.013	80	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	0	0.006	0.017	B	0.011	95	NO	NO
197440L	29650	SD	BROOKINGS		VOLGA	GATES	GATES	46	0	0.009	0.019	B	0.010	101	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	0	0.023	0.040	B	0.017	58	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	0	0.024	0.042	B	0.018	56	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	0	0.019	0.034	B	0.015	65	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	10	0	0.006	0.014	B	0.008	122	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2962	0	0.029	0.048	B	0.019	52	NO	NO
							Total		**2**	**0.487**	**0.770**		**0.28298**	**4**	Number of crossings	
							Minimum			**0.005**	**0.011**		**0.00600**	**167**	in the County =	**18**
							Maximum			**0.180**	**0.225**		**0.04519**	**22**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment-20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	FORMULA CONSTANT K	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 286 to 299																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	0.0006938	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	0.0006938	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	0.0006938	10	10	6	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	0.0003351	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	0.0003351	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	0.0003351	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	0.0003351	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	0.0003351	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	0.0006938	206	8	5	20	1	2	2	0.022	5	0	0.016	0.012
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	0.0006938	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	0.0006938	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	0.0006938	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	029620	SD	BROOKINGS		VOLGA	GATES	0.0005745	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	0.0003351	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	0.0003351	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	0.0003351	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	0.0006938	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	0.0003351	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	11	7	49	1	2	2	0.018	5	0	0.014	0.010
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	11	7	49	1	2	2	0.020	5	0	0.015	0.011
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	11	7	49	1	2	2	0.011	5	0	0.008	0.006
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	11	7	49	1	1	4	0.264	5	2	0.347	0.184
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	11	7	49	1	1	2	0.102	5	0	0.058	0.031
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	11	7	49	1	1	2	0.138	5	0	0.071	0.038
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	11	7	49	1	1	4	0.218	5	0	0.093	0.049
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	11	7	49	1	1	2	0.096	5	0	0.055	0.029
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	11	7	49	2	2	2	0.033	5	0	0.023	0.017
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	11	7	49	2	2	2	0.023	5	0	0.017	0.012
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	11	7	49	2	2	2	0.021	5	0	0.016	0.011
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	11	7	49	3	2	2	0.017	5	0	0.013	0.009
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	460	11	7	49	2	2	2	0.033	5	0	0.024	0.012
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	11	7	49	1	1	2	0.082	5	0	0.049	0.026
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	11	7	49	1	1	2	0.089	5	0	0.052	0.028
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	11	7	49	1	1	2	0.063	5	0	0.040	0.021
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	11	7	49	1	2	2	0.014	5	0	0.011	0.008
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	11	7	49	1	1	2	0.110	5	0	0.061	0.032

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment-20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.010	B	0.001	738	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.011	B	0.001	672	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.006	B	0.001	1,180	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.184	A	0.003	293	NO	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.031	B	0.001	937	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.038	B	0.001	837	NO	NO
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.049	B	0.001	767	NO	NO
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.029	B	0.003	296	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.012	0.017	B	0.005	198	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.012	B	0.004	267	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.011	B	0.003	287	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.009	B	0.003	346	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.012	B	0.003	366	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.026	B	0.003	321	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.028	B	0.003	307	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.021	B	0.003	373	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.008	B	0.002	560	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.032	B	0.004	279	NO	NO
							Total	**2**	**0.487**	**0.533**		**0.04636**	**22**	Number of crossings	
							Minimum		**0.005**	**0.006**		**0.00085**	**1,180**	in the County =	**18**
							Maximum		**0.180**	**0.184**		**0.00504**	**198**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment -50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	2	20	1	2	2	0.019	5	0	0.014	0.010
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	029620	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT TANT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	21	13	49	1	2	2	0.026	5	0	0.019	0.013
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	21	13	49	1	2	2	0.029	5	0	0.021	0.015
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	21	13	35	1	2	2	0.014	5	0	0.011	0.008
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	21	13	49	1	1	4	0.369	5	2	0.390	0.206
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	21	13	49	1	1	2	0.142	5	0	0.073	0.038
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	21	13	49	1	1	2	0.194	5	0	0.087	0.046
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	21	13	49	1	1	4	0.305	5	0	0.110	0.058
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	21	13	49	1	1	2	0.134	5	0	0.070	0.037
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	21	13	49	2	2	2	0.047	5	0	0.032	0.023
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	21	13	49	2	2	2	0.033	5	0	0.023	0.017
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	21	13	49	2	2	2	0.030	5	0	0.022	0.015
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	21	13	49	3	2	2	0.025	5	0	0.018	0.013
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	460	21	13	49	2	2	2	0.045	5	0	0.031	0.015
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	21	13	49	1	1	2	0.115	5	0	0.063	0.033
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	21	13	49	1	1	2	0.124	5	0	0.066	0.035
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	21	13	49	1	1	2	0.088	5	0	0.052	0.028
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	21	13	49	1	2	2	0.020	5	0	0.015	0.011
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	21	13	49	1	1	2	0.154	5	0	0.076	0.040

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment-50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.013	B	0.005	197	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.015	B	0.006	180	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.008	B	0.002	415	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.206	A	0.026	38	YES	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.038	B	0.009	113	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.046	B	0.010	103	NO	NO
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.058	A	0.010	98	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.037	B	0.011	91	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.010	0.023	B	0.013	80	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.017	B	0.008	121	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.015	B	0.008	130	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.013	B	0.006	155	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.015	B	0.006	161	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.033	B	0.010	97	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.035	B	0.011	94	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.028	B	0.009	111	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.011	B	0.005	210	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.040	B	0.012	86	NO	NO
							Total	**2**	**0.485**	**0.652**		**0.16666**	**6**	Number of crossings	
							Minimum		**0.005**	**0.008**		**0.00241**	**415**	In the County =	**18**
							Maximum		**0.180**	**0.206**		**0.02627**	**38**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment-100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6.25	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	5	20	1	2	2	0.022	5	0	0.016	0.012
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	029620	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	37	23	49	1	2	2	0.035	5	0	0.025	0.018
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	37	23	49	1	2	2	0.040	5	0	0.027	0.020
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	37	23	49	1	1	4	0.497	5	2	0.426	0.225
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	37	23	49	1	1	2	0.191	5	0	0.087	0.046
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	37	23	49	1	1	2	0.261	5	0	0.102	0.054
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	37	23	49	1	1	4	0.411	5	0	0.124	0.066
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	37	23	49	1	1	2	0.181	5	0	0.084	0.044
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	37	23	49	2	2	2	0.064	5	0	0.041	0.029
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	37	23	49	2	2	2	0.045	5	0	0.030	0.022
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	37	23	49	2	2	2	0.041	5	0	0.028	0.020
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	37	23	49	3	2	2	0.033	5	0	0.024	0.017
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	460	37	23	49	2	2	2	0.059	5	0	0.038	0.019
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	37	23	49	1	1	2	0.154	5	0	0.076	0.040
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	37	23	49	1	1	2	0.167	5	0	0.080	0.042
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	37	23	49	1	1	2	0.119	5	0	0.064	0.034
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	37	23	49	1	2	2	0.027	5	0	0.020	0.014
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	37	23	49	1	1	2	0.207	5	0	0.090	0.048

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment- 100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.018	B	0.009	107	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.020	B	0.010	98	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.011	B	0.006	167	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.225	A	0.045	22	YES	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.046	B	0.016	61	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.054	A	0.018	57	YES	YES
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.066	A	0.018	56	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.044	B	0.018	54	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.012	0.029	B	0.018	57	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.022	B	0.013	75	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.020	B	0.013	80	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.017	B	0.011	95	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.019	B	0.010	101	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.040	B	0.017	58	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.042	B	0.018	56	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.034	B	0.015	65	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.014	B	0.008	122	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.048	B	0.019	52	NO	NO
							Total	**2**	**0.487**	**0.770**		**0.28298**	**4**	Number of crossings	
							Minimum		**0.005**	**0.011**		**0.00600**	**167**	In the County =	**18**
							Maximum		**0.180**	**0.225**		**0.04519**	**22**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment-20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 286 to 299																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	5	20	1	2	2	0.022	5	0	0.016	0.012
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	029620	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	11	7	49	2	2	2	0.018	5	0	0.014	0.010
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	11	7	49	1	2	2	0.020	5	0	0.015	0.011
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	11	7	49	1	2	2	0.011	5	0	0.008	0.006
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	11	7	49	1	1	4	0.264	5	2	0.347	0.184
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	11	7	49	1	1	2	0.102	5	0	0.058	0.031
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	11	7	49	1	1	2	0.138	5	0	0.071	0.038
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	11	7	49	1	1	4	0.218	5	0	0.093	0.049
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	11	7	49	1	1	2	0.096	5	0	0.055	0.029
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	11	7	49	2	2	2	0.033	5	0	0.023	0.017
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	11	7	49	2	2	2	0.023	5	0	0.017	0.012
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	11	7	49	2	2	2	0.021	5	0	0.016	0.011
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	11	7	49	3	2	2	0.017	5	0	0.013	0.009
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	460	11	7	49	2	2	2	0.033	5	0	0.024	0.012
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	11	7	49	1	1	2	0.082	5	0	0.049	0.026
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	11	7	49	1	1	2	0.089	5	0	0.052	0.028
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	11	7	49	1	1	2	0.063	5	0	0.040	0.021
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	11	7	49	1	2	2	0.014	5	0	0.011	0.008
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	11	7	49	1	1	2	0.110	5	0	0.061	0.032

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment-20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.010	B	0.001	738	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.011	B	0.001	672	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.006	B	0.001	1,180	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.184	A	0.003	293	NO	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.031	B	0.001	937	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.038	B	0.001	837	NO	NO
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.049	B	0.001	767	NO	NO
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.029	B	0.003	296	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.012	0.017	B	0.005	198	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.012	B	0.004	267	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.011	B	0.003	287	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.009	B	0.003	346	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.012	B	0.003	366	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.026	B	0.003	321	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.028	B	0.003	307	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.021	B	0.003	373	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.008	B	0.002	560	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.032	B	0.004	279	NO	NO
							Total	**2**	**0.487**	**0.533**		**0.04636**	**22**	Number of crossings	
							Minimum		**0.005**	**0.006**		**0.00085**	**1,180**	in the County =	**18**
							Maximum		**0.180**	**0.184**		**0.00504**	**198**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment -50 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	2	20	1	2	2	0.019	5	0	0.014	0.010
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	029620	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-50 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT TANT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	21	13	49	2	2	2	0.026	5	0	0.019	0.013
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	21	13	49	1	2	2	0.029	5	0	0.021	0.015
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	21	13	35	1	2	2	0.014	5	0	0.011	0.008
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	21	13	49	1	1	4	0.369	5	2	0.390	0.206
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	21	13	49	1	1	2	0.142	5	0	0.073	0.038
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	21	13	49	1	1	2	0.194	5	0	0.087	0.046
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	21	13	49	1	1	4	0.305	5	0	0.110	0.058
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	21	13	49	1	1	2	0.134	5	0	0.070	0.037
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	21	13	49	2	2	2	0.047	5	0	0.032	0.023
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	21	13	49	2	2	2	0.033	5	0	0.023	0.017
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	21	13	49	2	2	2	0.030	5	0	0.022	0.015
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	21	13	49	3	2	2	0.025	5	0	0.018	0.013
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	460	21	13	49	2	2	2	0.045	5	0	0.031	0.015
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	21	13	49	1	1	2	0.115	5	0	0.063	0.033
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	21	13	49	1	1	2	0.124	5	0	0.066	0.035
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	21	13	49	1	1	2	0.088	5	0	0.052	0.028
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	21	13	49	1	2	2	0.020	5	0	0.015	0.011
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	21	13	49	1	1	2	0.154	5	0	0.076	0.040

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment-50 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4															
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	0	0.008	0.013	B	0.005	197	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.009	0.015	B	0.006	180	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	0	0.005	0.008	B	0.002	415	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2	0.180	0.206	A	0.026	38	YES	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.038	B	0.009	113	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.037	0.046	B	0.010	103	NO	NO
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.048	0.058	A	0.010	98	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.037	B	0.011	91	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.010	0.023	B	0.013	80	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.017	B	0.008	121	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.008	0.015	B	0.008	130	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	0	0.006	0.013	B	0.006	155	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	0	0.009	0.015	B	0.006	161	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.023	0.033	B	0.010	97	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.024	0.035	B	0.011	94	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.019	0.028	B	0.009	111	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	0	0.006	0.011	B	0.005	210	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.040	B	0.012	86	NO	NO
							Total	**2**	**0.485**	**0.652**		**0.16666**	**6**	Number of crossings	
							Minimum		**0.005**	**0.008**		**0.00241**	**415**	In the County =	**18**
							Maximum		**0.180**	**0.206**		**0.02627**	**38**		

Pre-Construction Accident Prediction Summary
Brookings Existing Alignment-100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																		
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	55	10	6	35	1	2	2	0.017	5	0	0.013	0.009
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	10	10	6.25	35	1	2	2	0.009	5	0	0.007	0.005
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	12703	10	6	20	1	1	4	0.251	5	2	0.341	0.180
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	3025	10	6	20	1	1	2	0.097	5	0	0.056	0.030
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	6440	10	6	20	1	1	2	0.132	5	0	0.069	0.037
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	7988	10	6	10	1	1	4	0.207	5	0	0.091	0.048
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	2630	8	5	20	1	1	2	0.081	5	0	0.049	0.026
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	206	8	5	20	1	2	2	0.022	5	0	0.016	0.012
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	78	8	5	20	1	2	2	0.016	5	0	0.012	0.008
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	62	8	5	20	1	2	2	0.014	5	0	0.011	0.008
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	35	8	5	20	2	2	2	0.012	5	0	0.009	0.006
197440L	029620	SD	BROOKINGS		VOLGA	GATES	460	8	5	35	1	2	2	0.025	5	0	0.018	0.009
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	1787	8	5	35	1	1	2	0.069	5	0	0.043	0.023
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	2180	8	5	35	1	1	2	0.075	5	0	0.046	0.024
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	950	8	5	35	1	1	2	0.053	5	0	0.035	0.019
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	3650	8	5	35	1	1	2	0.093	5	0	0.054	0.029

Post-Construction Accident Prediction Summary
Brookings Existing Alignment-100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Brookings Existing Alignment MP 289.3 to 292.4																			
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	41	37	23	49	2	2	2	0.035	5	0	0.025	0.018
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	37	23	49	1	2	2	0.040	5	0	0.027	0.020
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE	10	37	23	49	1	2	2	0.021	5	0	0.016	0.011
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	37	23	49	1	1	4	0.497	5	2	0.426	0.225
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	37	23	49	1	1	2	0.191	5	0	0.087	0.046
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	37	23	49	1	1	2	0.261	5	0	0.102	0.054
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	37	23	49	1	1	4	0.411	5	0	0.124	0.066
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	37	23	49	1	1	2	0.181	5	0	0.084	0.044
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	206	37	23	49	2	2	2	0.064	5	0	0.041	0.029
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	37	23	49	2	2	2	0.045	5	0	0.030	0.022
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	62	37	23	49	2	2	2	0.041	5	0	0.028	0.020
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	37	23	49	3	2	2	0.033	5	0	0.024	0.017
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	460	37	23	49	2	2	2	0.059	5	0	0.038	0.019
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	37	23	49	1	1	2	0.154	5	0	0.076	0.040
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	37	23	49	1	1	2	0.167	5	0	0.080	0.042
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	37	23	49	1	1	2	0.119	5	0	0.064	0.034
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	20	37	23	49	1	2	2	0.027	5	0	0.020	0.014
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	3650	37	23	49	1	1	2	0.207	5	0	0.090	0.048

Pre/Post-Construction Accident Prediction Comparison
Brookings Existing Alignment- 100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
										Pre-Construction	Post-Construction					
Brookings Existing Alignment MP 289.3 to 292.4																
197426R	028620	SD	BROOKINGS		AURORA	PASSIVE	PASSIVE	21	0	0.008	0.018	B	0.009	107	NO	NO
197429L	028830	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	55	0	0.009	0.020	B	0.010	98	NO	NO
197430F	28870	SD	BROOKINGS	INDUSTRIAL/ 8TH ST	BROOKINGS	PASSIVE	PASSIVE		0	0.005	0.011	B	0.006	167	NO	NO
197478H	028930	SD	BROOKINGS	22ND AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	12703	2	0.180	0.225	A	0.045	22	YES	YES
197479P	028970	SD	BROOKINGS	17TH AVE SO.	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	3025	0	0.030	0.046	B	0.016	61	NO	NO
197480J	029030	SD	BROOKINGS	MEDARY AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	6440	0	0.037	0.054	A	0.018	57	YES	YES
197481R	029090	SD	BROOKINGS	MAIN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	7988	0	0.048	0.066	A	0.018	56	YES	YES
197482X	029110	SD	BROOKINGS	WESTERN AVE	BROOKINGS	FLASHING LIGHTS	FLASHING LIGHTS	2630	0	0.026	0.044	B	0.018	54	NO	NO
197483E	029210	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	30	0	0.012	0.029	B	0.018	57	NO	NO
197484L	029240	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	78	0	0.008	0.022	B	0.013	75	NO	NO
197485T	029350	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	20	0	0.008	0.020	B	0.013	80	NO	NO
197487G	029460	SD	BROOKINGS		BROOKINGS	PASSIVE	PASSIVE	35	0	0.006	0.017	B	0.011	95	NO	NO
197440L	029620	SD	BROOKINGS		VOLGA	GATES	GATES	46	0	0.009	0.019	B	0.010	101	NO	NO
197441T	029720	SD	BROOKINGS	HANSINA ST.	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	1787	0	0.023	0.040	B	0.017	58	NO	NO
197442A	029730	SD	BROOKINGS	KASON ST	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2180	0	0.024	0.042	B	0.018	56	NO	NO
197443G	029740	SD	BROOKINGS	SAMARA AVE	VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	950	0	0.019	0.034	B	0.015	65	NO	NO
197445V	029840	SD	BROOKINGS		VOLGA	PASSIVE	PASSIVE	10	0	0.006	0.014	B	0.008	122	NO	NO
197493K	029870	SD	BROOKINGS		VOLGA	FLASHING LIGHTS	FLASHING LIGHTS	2962	0	0.029	0.048	B	0.019	52	NO	NO
							Total		**2**	**0.487**	**0.770**		**0.28298**	**4**	Number of crossings	
							Minimum			**0.005**	**0.011**		**0.00600**	**167**	In the County =	**18**
							Maximum			**0.180**	**0.225**		**0.04519**	**22**		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	8850	12	8	5	2	1	4	0.288	5	0	0.107	0.057
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	8	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 20MNT
Alternati ve B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	11	7	49	2	1	2	0.116	5	0	0.063	0.033
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	11	7	49	2	2	2	0.020	5	0	0.015	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	11	7	49	2	2	2	0.016	5	0	0.012	0.009
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	11	7	49	1	2	2	0.025	5	0	0.018	0.013
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	11	7	49	1	1	2	0.080	5	0	0.048	0.035
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	11	7	49	1	1	2	0.044	5	0	0.030	0.021
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	11	7	49	1	1	2	0.038	5	0	0.026	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	11	7	49	2	1	2	0.126	5	0	0.067	0.035
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	11	7	49	2	1	2	0.179	5	0	0.083	0.044
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	11	7	49	1	1	2	0.063	5	0	0.040	0.021
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	11	7	49	1	1	2	0.171	5	0	0.081	0.043
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	11	7	49	1	1	2	0.103	5	0	0.058	0.042
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	11	7	49	2	1	4	0.275	5	0	0.105	0.055
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	11	7	49	1	1	4	0.312	5	1	0.240	0.127
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	11	7	49	2	1	4	0.088	5	0	0.052	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	11	7	49	2	1	4	0.100	5	0	0.057	0.028
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	11	7	49	1	1	4	0.161	5	0	0.078	0.041
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	11	7	49	1	1	2	0.059	5	0	0.038	0.020
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	11	7	49	2	1	4	0.117	5	0	0.064	0.031
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	11	7	49	1	1	2	0.142	5	0	0.073	0.038
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	11	7	49	2	1	2	0.109	5	0	0.061	0.032
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	11	7	49	1	1	2	0.057	5	0	0.037	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	11	7	49	1	2	2	0.018	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	11	7	49	1	1	4	0.147	5	0	0.074	0.039
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	11	7	49	1	1	4	0.171	5	0	0.081	0.043
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	11	7	49	1	1	2	0.036	5	0	0.025	0.013
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	11	7	49	2	2	2	0.025	5	0	0.018	0.013

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change In Frequency	1/Freq.	Trip Threshold	State Top 50
										Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1																
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	0	0.030	0.033	B	0.003	307	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	0	0.010	0.010	B	0.001	1,087	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	55	0	0.008	0.009	B	0.001	1,281	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	0	0.012	0.013	B	0.001	876	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	0	0.033	0.035	B	0.002	638	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	0	0.020	0.021	B	0.001	930	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	0	0.013	0.013	B	0.000	-2,147	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	0	0.032	0.035	B	0.003	297	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS		0	0.040	0.044	B	0.004	269	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	0	0.022	0.021	B	-0.001	-1,277	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	0	0.044	0.043	B	-0.001	-861	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	0	0.037	0.042	B	0.005	200	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	0	0.057	0.055	B	-0.001	-837	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	25020	1	0.129	0.127	A	-0.002	-471	NO	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	0	0.026	0.026	B	-0.001	-1,285	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	0	0.029	0.028	B	-0.001	-1,216	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	0	0.043	0.041	B	-0.001	-872	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	0	0.021	0.020	B	-0.001	-1,326	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	13198	0	0.032	0.031	B	-0.001	-1,143	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	0	0.040	0.038	B	-0.001	-897	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	0	0.029	0.032	B	0.003	315	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	940	0	0.020	0.020	B	-0.001	-1,356	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	0	0.007	0.007	B	0.000	-3,860	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	0	0.040	0.039	B	-0.001	-889	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	0	0.044	0.043	B	-0.001	-862	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS		0	0.014	0.013	B	-0.001	-1,846	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	0	0.013	0.013	B	0.001	1,410	NO	NO
							Total		**1**	**0.846**	**0.856**		**0.00967**	**103**	Number of crossings	
							Minimum			**0.007**	**0.007**		**0.00071**	**1,410**	In the County =	**27**
							Maximum			**0.129**	**0.127**		**0.00501**	**200**		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193228G	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	825	12	8	5	2	1	2	0.075	5	0	0.046	0.025
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	8	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT TANT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	21	13	49	2	1	2	0.162	5	0	0.079	0.042
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	21	13	49	2	2	2	0.028	5	0	0.020	0.014
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	21	13	49	2	2	2	0.023	5	0	0.017	0.012
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	21	13	49	1	2	2	0.036	5	0	0.025	0.018
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	21	13	49	1	1	2	0.114	5	0	0.063	0.045
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	21	13	49	1	1	2	0.062	5	0	0.040	0.029
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	21	13	49	1	1	2	0.052	5	0	0.034	0.017
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	21	13	49	2	1	2	0.176	5	0	0.083	0.044
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	21	13	49	2	1	2	0.250	5	0	0.100	0.053
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	21	13	49	1	1	2	0.089	5	0	0.052	0.028
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	21	13	49	1	1	2	0.240	5	0	0.098	0.052
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	21	13	49	1	1	2	0.146	5	0	0.074	0.053
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	21	13	49	2	1	4	0.386	5	0	0.121	0.064
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	21	13	49	1	1	4	0.438	5	1	0.269	0.142
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	21	13	49	2	1	4	0.119	5	0	0.065	0.032
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	21	13	49	2	1	4	0.135	5	0	0.070	0.034
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	21	13	49	1	1	4	0.225	5	0	0.095	0.050
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	21	13	49	1	1	2	0.083	5	0	0.050	0.026
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	21	13	49	2	1	4	0.158	5	0	0.078	0.038
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	21	13	49	1	1	2	0.200	5	0	0.089	0.047
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	21	13	49	2	1	2	0.153	5	0	0.076	0.040
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	21	13	49	1	1	2	0.080	5	0	0.049	0.026
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	21	13	49	1	2	2	0.025	5	0	0.018	0.009
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	21	13	49	1	1	4	0.206	5	0	0.090	0.048
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	21	13	49	1	1	4	0.239	5	0	0.098	0.052
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	21	13	49	1	1	2	0.051	5	0	0.034	0.018
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	21	13	49	2	2	2	0.036	5	0	0.025	0.018

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Increase in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.042	B	0.011	88	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.014	B	0.005	205	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.012	B	0.004	240	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.018	B	0.006	166	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.045	B	0.012	86	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.029	B	0.008	121	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.013	0.017	B	0.003	299	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.044	B	0.012	85	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.053	B	0.013	80	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.028	B	0.006	180	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.052	B	0.008	131	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.053	B	0.016	62	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.025	0.064	B	0.040	25	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.142	A	0.013	75	YES	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.032	B	0.005	186	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.034	B	0.006	178	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.050	B	0.008	132	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.026	B	0.005	187	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.038	B	0.006	169	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.047	B	0.007	134	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.040	B	0.011	89	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.026	B	0.005	190	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.009	B	0.002	525	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.048	B	0.007	133	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.052	B	0.008	131	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.014	0.018	B	0.004	254	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.018	B	0.006	179	NO	NO
							Total	**1**	**0.814**	**1.050**		**0.23651**	**4**	**Number of crossings**	
							Minimum		**0.007**	**0.009**		**0.00190**	**525**	**In the County =**	**27**
							Maximum		**0.129**	**0.142**		**0.03967**	**25**		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	8850	12	8	5	2	1	4	0.288	5	0	0.107	0.057
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	7.5	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	37	23	49	2	1	2	0.218	5	0	0.093	0.049
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	37	23	49	2	2	2	0.038	5	0	0.026	0.019
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	37	23	49	2	2	2	0.032	5	0	0.022	0.016
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	37	23	49	1	2	2	0.049	5	0	0.033	0.024
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	37	23	49	1	1	2	0.155	5	0	0.076	0.055
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	37	23	49	1	1	2	0.085	5	0	0.051	0.036
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	37	23	49	1	1	2	0.067	5	0	0.042	0.021
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	37	23	49	2	1	2	0.237	5	0	0.097	0.052
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	37	23	49	2	1	2	0.336	5	0	0.115	0.061
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	37	23	49	1	1	2	0.119	5	0	0.065	0.034
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	37	23	49	1	1	2	0.322	5	0	0.113	0.060
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	37	23	49	1	1	2	0.199	5	0	0.089	0.064
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	37	23	49	2	1	4	0.519	5	0	0.135	0.071
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	37	23	49	1	1	4	0.588	5	1	0.293	0.155
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	37	23	49	2	1	4	0.156	5	0	0.077	0.038
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	37	23	49	2	1	4	0.176	5	0	0.083	0.041
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	37	23	49	1	1	4	0.303	5	0	0.110	0.058
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	37	23	49	1	1	2	0.112	5	0	0.062	0.033
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	37	23	49	2	1	4	0.207	5	0	0.090	0.045
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	37	23	49	1	1	2	0.268	5	0	0.104	0.055
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	37	23	49	2	1	2	0.205	5	0	0.090	0.048
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	37	23	49	1	1	2	0.108	5	0	0.060	0.032
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	37	23	49	1	2	2	0.032	5	0	0.023	0.011
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	37	23	49	1	1	4	0.277	5	0	0.105	0.056
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	37	23	49	1	1	4	0.321	5	0	0.112	0.060
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	37	23	49	1	1	2	0.069	5	0	0.043	0.023
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	37	23	49	2	2	2	0.049	5	0	0.033	0.024

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment-100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Increase in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment- Alternative R-2 MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.049	B	0.019	52	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.019	B	0.009	106	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.016	B	0.008	124	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.024	B	0.011	87	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.055	B	0.022	46	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.036	B	0.016	63	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.013	0.021	B	0.007	135	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.052	B	0.019	51	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.036	B	0.016	63	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.034	B	0.012	83	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.060	B	0.015	65	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.064	B	0.027	37	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.057	0.071	B	0.015	68	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.155	A	0.026	39	YES	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.038	B	0.011	88	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.041	B	0.012	85	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.058	B	0.015	65	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.033	B	0.012	86	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.045	B	0.012	81	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.055	B	0.015	66	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.048	B	0.019	53	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.032	B	0.011	87	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.011	B	0.004	232	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.056	B	0.015	65	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.060	B	0.015	65	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.007	0.011	B	0.004	232	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.024	B	0.011	90	NO	NO
							Total	1	0.819	1.200		0.38150	3	Number of crossings	
							Minimum		0.007	0.011		0.00430	232	In the County =	27
							Maximum		0.129	0.155		0.02677	37		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	8850	12	8	5	2	1	4	0.288	5	0	0.107	0.057
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	8	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	11	7	49	1	1	2	0.095	5	0	0.055	0.029
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	11	7	49	2	2	2	0.020	5	0	0.015	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	11	7	49	2	2	2	0.016	5	0	0.012	0.009
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	11	7	49	1	2	2	0.025	5	0	0.018	0.013
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	11	7	49	1	1	2	0.080	5	0	0.048	0.035
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	11	7	49	1	1	2	0.044	5	0	0.030	0.021
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	11	7	49	1	1	2	0.038	5	0	0.026	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	11	7	49	1	1	2	0.104	5	0	0.059	0.031
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	11	7	49	1	1	2	0.147	5	0	0.074	0.039
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	11	7	49	1	1	2	0.063	5	0	0.040	0.021
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	11	7	49	1	1	2	0.171	5	0	0.081	0.043
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	11	7	49	1	1	2	0.103	5	0	0.058	0.042
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	11	7	49	2	1	4	0.275	5	0	0.105	0.055
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	11	7	49	1	1	4	0.312	5	1	0.240	0.127
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	11	7	49	2	1	4	0.088	5	0	0.052	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	11	7	49	2	1	4	0.100	5	0	0.057	0.028
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	11	7	49	1	1	4	0.161	5	0	0.078	0.041
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	11	7	49	1	1	2	0.059	5	0	0.038	0.020
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	11	7	49	2	1	4	0.117	5	0	0.064	0.031
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	11	7	49	1	1	2	0.142	5	0	0.073	0.038
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	11	7	49	1	1	2	0.090	5	0	0.053	0.028
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	11	7	49	1	1	2	0.057	5	0	0.037	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	11	7	49	1	2	2	0.018	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	11	7	49	1	1	4	0.147	5	0	0.074	0.039
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	11	7	49	1	1	4	0.171	5	0	0.081	0.043
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	11	7	49	1	1	2	0.036	5	0	0.025	0.013
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	11	7	49	1	2	2	0.025	5	0	0.018	0.013

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY		EXISTING DEVICE	PROPOSED DEVICE	ADT c	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
											Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1																	
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FL	FLASHING LIGHTS	FLASHING LIGHTS	2600	0	0.030	0.029	B	-0.001	-1,033	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	XB	PASSIVE	PASSIVE	50	0	0.010	0.010	B	0.001	1,087	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	XB	PASSIVE	PASSIVE	55	0	0.008	0.009	B	0.001	1,281	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	XB	PASSIVE	PASSIVE	100	0	0.012	0.013	B	0.001	876	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	XB	PASSIVE	PASSIVE	440	0	0.033	0.035	B	0.002	638	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	XB	PASSIVE	PASSIVE	86	0	0.020	0.021	B	0.001	930	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GT	GATES	GATES	1200	0	0.013	0.013	B	0.000	-2,147	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	3200	0	0.032	0.031	B	-0.001	-996	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS		0	0.040	0.039	B	-0.001	-889	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	955	0	0.022	0.021	B	-0.001	-1,277	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	10800	0	0.044	0.043	B	-0.001	-861	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	XB	PASSIVE	PASSIVE	870	0	0.037	0.042	B	0.005	200	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	8850	0	0.057	0.055	B	-0.001	-837	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	25020	1	0.129	0.127	A	-0.002	-471	NO	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GT	GATES	GATES	4726	0	0.026	0.026	B	-0.001	-1,285	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GT	GATES	GATES	7200	0	0.029	0.028	B	-0.001	-1,216	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	3800	0	0.043	0.041	B	-0.001	-872	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	WW	FLASHING LIGHTS	FLASHING LIGHTS	820	0	0.021	0.020	B	-0.001	-1,326	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GT	GATES	GATES	13198	0	0.032	0.031	B	-0.001	-1,143	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FL	FLASHING LIGHTS	FLASHING LIGHTS	6900	0	0.040	0.038	B	-0.001	-897	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	XB	FLASHING LIGHTS	FLASHING LIGHTS	2250	0	0.029	0.028	B	-0.001	-1,061	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FL	FLASHING LIGHTS	FLASHING LIGHTS	940	0	0.020	0.020	B	-0.001	-1,356	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GT	GATES	GATES	100	0	0.007	0.007	B	0.000	-3,860	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FL	FLASHING LIGHTS	FLASHING LIGHTS	3064	0	0.040	0.039	B	-0.001	-889	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FL	FLASHING LIGHTS	FLASHING LIGHTS	4400	0	0.044	0.043	B	-0.001	-862	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FL	FLASHING LIGHTS	FLASHING LIGHTS		0	0.014	0.013	B	-0.001	-1,846	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	XB	PASSIVE	PASSIVE	100	0	0.013	0.013	B	0.001	1,410	NO	NO
								Total		1	0.846	0.838		-0.00788	-127	Number of crossings	
								Minimum			0.007	0.007		0.00071	1,410	In the County =	27
								Maximum			0.129	0.127		0.00501	200		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193228G	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	825	12	8	5	2	1	2	0.075	5	0	0.046	0.025
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	8	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT TANT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	21	13	49	1	1	2	0.134	5	0	0.070	0.037
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	21	13	49	2	2	2	0.028	5	0	0.020	0.014
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	21	13	49	2	2	2	0.023	5	0	0.017	0.012
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	21	13	49	1	2	2	0.036	5	0	0.025	0.018
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	21	13	49	1	1	2	0.114	5	0	0.063	0.045
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	21	13	49	1	1	2	0.062	5	0	0.040	0.029
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	21	13	49	1	1	2	0.052	5	0	0.034	0.017
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	21	13	49	1	1	2	0.146	5	0	0.074	0.039
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	21	13	49	1	1	2	0.207	5	0	0.090	0.048
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	21	13	49	1	1	2	0.089	5	0	0.052	0.028
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	21	13	49	1	1	2	0.240	5	0	0.098	0.052
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	21	13	49	1	1	2	0.146	5	0	0.074	0.053
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	21	13	49	2	1	4	0.386	5	0	0.121	0.064
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	21	13	49	1	1	4	0.438	5	1	0.269	0.142
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	21	13	49	2	1	4	0.119	5	0	0.065	0.032
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	21	13	49	2	1	4	0.135	5	0	0.070	0.034
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	21	13	49	1	1	4	0.225	5	0	0.095	0.050
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	21	13	49	1	1	2	0.083	5	0	0.050	0.026
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	21	13	49	2	1	4	0.158	5	0	0.078	0.038
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	21	13	49	1	1	2	0.200	5	0	0.089	0.047
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	21	13	49	1	1	2	0.126	5	0	0.067	0.035
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	21	13	49	1	1	2	0.080	5	0	0.049	0.026
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	21	13	49	1	2	2	0.025	5	0	0.018	0.009
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	21	13	49	1	1	4	0.206	5	0	0.090	0.048
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	21	13	49	1	1	4	0.239	5	0	0.098	0.052
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	21	13	49	1	1	2	0.051	5	0	0.034	0.018
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	21	13	49	1	2	2	0.036	5	0	0.025	0.018

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 50MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.037	B	0.007	150	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.014	B	0.005	205	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.012	B	0.004	240	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.018	B	0.006	166	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.045	B	0.012	86	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.029	B	0.008	121	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.013	0.017	B	0.003	299	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.039	B	0.007	146	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.048	B	0.007	133	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.028	B	0.006	180	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.052	B	0.008	131	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.053	B	0.016	62	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.025	0.064	B	0.040	25	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.142	A	0.013	75	YES	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.032	B	0.005	186	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.034	B	0.006	178	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.050	B	0.008	132	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.026	B	0.005	187	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.038	B	0.006	169	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.047	B	0.007	134	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.035	B	0.007	153	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.026	B	0.005	190	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.009	B	0.002	525	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.048	B	0.007	133	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.052	B	0.008	131	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.014	0.018	B	0.004	254	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.018	B	0.006	179	NO	NO
							Total	1	0.814	1.031		0.21724	5	Number of crossings	
							Minimum		0.007	0.009		0.00190	525	In the County =	27
							Maximum		0.129	0.142		0.03967	25		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	8850	12	8	5	2	1	4	0.288	5	0	0.107	0.057
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	7.5	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	37	23	49	1	1	2	0.180	5	0	0.084	0.044
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	37	23	49	2	2	2	0.038	5	0	0.026	0.019
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	37	23	49	2	2	2	0.032	5	0	0.022	0.016
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	37	23	49	1	2	2	0.049	5	0	0.033	0.024
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	37	23	49	1	1	2	0.155	5	0	0.076	0.055
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	37	23	49	1	1	2	0.085	5	0	0.051	0.036
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	37	23	49	1	1	2	0.067	5	0	0.042	0.021
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	37	23	49	1	1	2	0.196	5	0	0.088	0.046
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	37	23	49	1	1	2	0.278	5	0	0.105	0.056
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	37	23	49	1	1	2	0.119	5	0	0.065	0.034
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	37	23	49	1	1	2	0.322	5	0	0.113	0.060
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	37	23	49	1	1	2	0.199	5	0	0.089	0.064
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	37	23	49	2	1	4	0.519	5	0	0.135	0.071
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	37	23	49	1	1	4	0.588	5	1	0.293	0.155
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	37	23	49	2	1	4	0.156	5	0	0.077	0.038
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	37	23	49	2	1	4	0.176	5	0	0.083	0.041
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	37	23	49	1	1	4	0.303	5	0	0.110	0.058
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	37	23	49	1	1	2	0.112	5	0	0.062	0.033
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	37	23	49	2	1	4	0.207	5	0	0.090	0.045
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	37	23	49	1	1	2	0.268	5	0	0.104	0.055
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	37	23	49	1	1	2	0.169	5	0	0.081	0.043
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	37	23	49	1	1	2	0.108	5	0	0.060	0.032
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	37	23	49	1	2	2	0.032	5	0	0.023	0.011
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	37	23	49	1	1	4	0.277	5	0	0.105	0.056
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	37	23	49	1	1	4	0.321	5	0	0.112	0.060
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	37	23	49	1	1	2	0.069	5	0	0.043	0.023
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	37	23	49	1	2	2	0.049	5	0	0.033	0.024

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.044	B	0.014	71	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.019	B	0.009	106	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.016	B	0.008	124	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.024	B	0.011	87	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.055	B	0.022	46	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.036	B	0.016	63	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.013	0.021	B	0.007	135	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.046	B	0.014	69	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.036	B	0.016	63	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.034	B	0.012	83	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.060	B	0.015	65	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.064	B	0.027	37	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.057	0.071	B	0.015	68	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.155	A	0.026	39	YES	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.038	B	0.011	88	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.041	B	0.012	85	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.058	B	0.015	65	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.033	B	0.012	86	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.045	B	0.012	81	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.055	B	0.015	66	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.043	B	0.014	72	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.032	B	0.011	87	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.011	B	0.004	232	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.056	B	0.015	65	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.060	B	0.015	65	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.007	0.011	B	0.004	232	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.024	B	0.011	90	NO	NO
							Total	1	0.819	1.185		0.36650	3	Number of crossings	
							Minimum		0.007	0.011		0.00430	232	in the County =	27
							Maximum		0.129	0.155		0.02677	37		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	8850	12	8	5	2	1	4	0.288	5	0	0.107	0.057
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	8	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	11	7	49	1	1	2	0.095	5	0	0.055	0.029
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	11	7	49	1	2	2	0.020	5	0	0.015	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	11	7	49	1	2	2	0.016	5	0	0.012	0.009
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	11	7	49	2	2	2	0.025	5	0	0.018	0.013
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	11	7	49	2	1	2	0.080	5	0	0.048	0.035
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	11	7	49	2	1	2	0.044	5	0	0.030	0.021
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	11	7	49	2	1	2	0.044	5	0	0.030	0.015
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	11	7	49	1	1	2	0.104	5	0	0.059	0.031
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	11	7	49	1	1	2	0.147	5	0	0.074	0.039
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	11	7	49	1	1	2	0.063	5	0	0.040	0.021
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	11	7	49	1	1	2	0.171	5	0	0.081	0.043
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	11	7	49	1	1	2	0.103	5	0	0.058	0.042
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	11	7	49	2	1	4	0.275	5	0	0.105	0.055
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	11	7	49	1	1	4	0.312	5	1	0.240	0.127
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	11	7	49	2	1	4	0.088	5	0	0.052	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	11	7	49	2	1	4	0.100	5	0	0.057	0.028
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	11	7	49	1	1	4	0.161	5	0	0.078	0.041
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	11	7	49	1	1	2	0.059	5	0	0.038	0.020
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	11	7	49	2	1	4	0.117	5	0	0.064	0.031
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	11	7	49	1	1	2	0.142	5	0	0.073	0.038
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	11	7	49	2	1	2	0.109	5	0	0.061	0.032
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	11	7	49	1	1	2	0.057	5	0	0.037	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	11	7	49	1	2	2	0.018	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	11	7	49	1	1	4	0.147	5	0	0.074	0.039
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	11	7	49	1	1	4	0.171	5	0	0.081	0.043
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	11	7	49	1	1	2	0.036	5	0	0.025	0.013
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	11	7	49	2	2	2	0.025	5	0	0.018	0.013

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.029	B	-0.001	-1,033	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.010	B	0.001	1,087	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.009	B	0.001	1,281	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.013	B	0.001	876	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.035	B	0.002	638	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.021	B	0.001	930	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.013	0.015	B	0.001	748	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.031	B	-0.001	-996	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.039	B	-0.001	-889	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.021	B	-0.001	-1,277	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.043	B	-0.001	-861	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.042	B	0.005	200	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.057	0.055	B	-0.001	-837	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.127	A	-0.002	-471	NO	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.026	B	-0.001	-1,285	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.028	B	-0.001	-1,216	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.041	B	-0.001	-872	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.020	B	-0.001	-1,326	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.031	B	-0.001	-1,143	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.038	B	-0.001	-897	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.032	B	0.003	315	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.020	B	-0.001	-1,356	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.007	B	0.000	-3,860	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.039	B	-0.001	-889	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.043	B	-0.001	-862	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.014	0.013	B	-0.001	-1,846	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.013	B	0.001	1,410	NO	NO
							Total	1	0.846	0.844		-0.00196	-510	Number of crossings	
							Minimum		0.007	0.007		0.00071	1,410	in the County =	27
							Maximum		0.129	0.127		0.00501	200		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment- 50 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	2	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	2	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	2	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	2	1	2	0.046	5	0	0.031	0.015
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193228G	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	825	12	8	5	2	1	2	0.075	5	0	0.046	0.025
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	2	1	2	0.114	5	0	0.063	0.033
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	8	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	2	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 50 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	21	13	49	1	1	2	0.134	5	0	0.070	0.037
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	21	13	49	1	2	2	0.028	5	0	0.020	0.014
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	21	13	49	1	2	2	0.023	5	0	0.017	0.012
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	21	13	49	1	2	2	0.036	5	0	0.025	0.018
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	21	13	49	1	1	2	0.114	5	0	0.063	0.045
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	21	13	49	1	1	2	0.062	5	0	0.040	0.029
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	21	13	49	1	1	2	0.052	5	0	0.034	0.017
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	21	13	49	1	1	2	0.146	5	0	0.074	0.039
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	21	13	49	1	1	2	0.207	5	0	0.090	0.048
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	21	13	49	1	1	2	0.089	5	0	0.052	0.028
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	21	13	49	1	1	2	0.240	5	0	0.098	0.052
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	21	13	49	1	1	2	0.146	5	0	0.074	0.053
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	21	13	49	2	1	4	0.386	5	0	0.121	0.064
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	21	13	49	1	1	4	0.438	5	1	0.269	0.142
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	21	13	49	2	1	4	0.119	5	0	0.065	0.032
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	21	13	49	2	1	4	0.135	5	0	0.070	0.034
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	21	13	49	1	1	4	0.225	5	0	0.095	0.050
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	21	13	49	1	1	2	0.083	5	0	0.050	0.026
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	21	13	49	2	1	4	0.158	5	0	0.078	0.038
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	21	13	49	1	1	2	0.200	5	0	0.089	0.047
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	21	13	49	1	1	2	0.126	5	0	0.067	0.035
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	21	13	49	1	1	2	0.080	5	0	0.049	0.026
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	21	13	49	1	2	2	0.025	5	0	0.018	0.009
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	21	13	49	1	1	4	0.206	5	0	0.090	0.048
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	21	13	49	1	1	4	0.239	5	0	0.098	0.052
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	21	13	49	1	1	2	0.051	5	0	0.034	0.018
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	21	13	49	1	2	2	0.036	5	0	0.025	0.018

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 50 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.037	B	0.007	150	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.014	B	0.005	205	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.012	B	0.004	240	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.018	B	0.006	166	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.045	B	0.012	86	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.029	B	0.008	121	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.015	0.017	B	0.001	670	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.039	B	0.007	146	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.048	B	0.007	133	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.028	B	0.006	180	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.052	B	0.008	131	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.053	B	0.016	62	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.025	0.064	B	0.040	25	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.142	A	0.013	75	YES	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.032	B	0.005	186	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.034	B	0.006	178	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.050	B	0.008	132	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.026	B	0.005	187	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.038	B	0.006	169	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.047	B	0.007	134	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.033	0.035	B	0.002	431	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.026	B	0.005	190	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.009	B	0.002	525	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.048	B	0.007	133	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.052	B	0.008	131	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.014	0.018	B	0.004	254	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.018	B	0.006	179	NO	NO
							Total	1	0.820	1.031		0.21119	5	Number of crossings	
							Minimum		0.007	0.009		0.00149	670	In the County =	27
							Maximum		0.129	0.142		0.03967	25		

Pre-Construction Accident Prediction Summary
Rochester Existing Alignment-100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																		
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	2600	12	8	35	1	1	2	0.100	5	0	0.057	0.030
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	50	12	8	30	1	2	2	0.018	5	0	0.013	0.010
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	30	12	8	30	1	2	2	0.015	5	0	0.011	0.008
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	100	12	8	30	1	2	2	0.023	5	0	0.017	0.012
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	440	12	8	35	1	1	2	0.075	5	0	0.046	0.033
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	86	12	8	35	1	1	2	0.041	5	0	0.028	0.020
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	1200	12	8	35	1	1	2	0.040	5	0	0.027	0.013
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	3200	12	8	35	1	1	2	0.109	5	0	0.061	0.032
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	7500	12	8	35	1	1	2	0.154	5	0	0.076	0.040
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	955	12	8	20	1	1	2	0.066	5	0	0.042	0.022
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	10800	12	8	12	1	1	2	0.179	5	0	0.083	0.044
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	870	12	8	20	1	1	2	0.086	5	0	0.051	0.037
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	8850	12	8	5	2	1	4	0.288	5	0	0.107	0.057
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	19200	12	8	5	1	1	4	0.327	5	1	0.244	0.129
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	4726	12	8	5	2	1	4	0.092	5	0	0.054	0.026
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	7200	12	8	20	2	1	4	0.104	5	0	0.059	0.029
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	3800	12	8	20	1	1	4	0.168	5	0	0.080	0.043
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	820	12	8	35	1	1	2	0.062	5	0	0.040	0.021
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	12400	12	8	20	2	1	4	0.122	5	0	0.065	0.032
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	6900	12	8	35	1	1	2	0.149	5	0	0.075	0.040
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	2250	12	8	35	1	1	2	0.094	5	0	0.055	0.029
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	750	12	8	35	1	1	2	0.060	5	0	0.039	0.020
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	100	12	7.5	35	1	2	2	0.019	5	0	0.014	0.007
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	3064	12	8	35	1	1	4	0.154	5	0	0.076	0.040
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	4400	12	8	35	1	1	4	0.179	5	0	0.083	0.044
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	250	12	8	35	1	1	2	0.038	5	0	0.026	0.014
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	100	12	8	35	1	2	2	0.024	5	0	0.017	0.013

Post-Construction Accident Prediction Summary
Rochester Existing Alignment- 100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Rochester Existing Alignment MP 37.5 to 61.1																			
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	2600	37	23	49	1	1	2	0.180	5	0	0.084	0.044
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	50	37	23	49	1	2	2	0.038	5	0	0.026	0.019
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	30	37	23	49	1	2	2	0.032	5	0	0.022	0.016
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	100	37	23	49	2	2	2	0.049	5	0	0.033	0.024
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	440	37	23	49	2	1	2	0.155	5	0	0.076	0.055
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	86	37	23	49	2	1	2	0.085	5	0	0.051	0.036
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	1200	37	23	49	2	1	2	0.078	5	0	0.048	0.023
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3200	37	23	49	1	1	2	0.196	5	0	0.088	0.046
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	7500	37	23	49	1	1	2	0.278	5	0	0.105	0.056
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	955	37	23	49	1	1	2	0.119	5	0	0.065	0.034
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	10800	37	23	49	1	1	2	0.322	5	0	0.113	0.060
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	870	37	23	49	1	1	2	0.199	5	0	0.089	0.064
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	8850	37	23	49	2	1	4	0.519	5	0	0.135	0.071
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	19200	37	23	49	1	1	4	0.588	5	1	0.293	0.155
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	4726	37	23	49	2	1	4	0.156	5	0	0.077	0.038
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	7200	37	23	49	2	1	4	0.176	5	0	0.083	0.041
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	3800	37	23	49	1	1	4	0.303	5	0	0.110	0.058
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	820	37	23	49	1	1	2	0.112	5	0	0.062	0.033
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	12400	37	23	49	2	1	4	0.207	5	0	0.090	0.045
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	6900	37	23	49	1	1	2	0.268	5	0	0.104	0.055
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	2250	37	23	49	2	1	2	0.205	5	0	0.090	0.048
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	750	37	23	49	1	1	2	0.108	5	0	0.060	0.032
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	100	37	23	49	1	2	2	0.032	5	0	0.023	0.011
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	3064	37	23	49	1	1	4	0.277	5	0	0.105	0.056
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	4400	37	23	49	1	1	4	0.321	5	0	0.112	0.060
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	250	37	23	49	1	1	2	0.069	5	0	0.043	0.023
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	100	37	23	49	2	2	2	0.049	5	0	0.033	0.024

Pre/Post-Construction Accident Prediction Comparison
Rochester Existing Alignment- 100 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Rochester Existing Alignment MP 37.5 to 61.1															
193264C	003740	MN	OLMSTED	CSAH 7	EYOTA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.030	0.044	B	0.014	71	NO	NO
193216M	003860	MN	OLMSTED	110th Ave SE/ Twp 112	EYOTA	PASSIVE	PASSIVE	0	0.010	0.019	B	0.009	106	NO	NO
193219H	003940	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.008	0.016	B	0.008	124	NO	NO
193220C	004030	MN	OLMSTED	Cnty Rd. 102	EYOTA	PASSIVE	PASSIVE	0	0.012	0.024	B	0.011	87	NO	NO
193266R	004270	MN	OLMSTED	Haverhill Rd.	EYOTA	PASSIVE	PASSIVE	0	0.033	0.055	B	0.022	46	NO	NO
193267X	004340	MN	OLMSTED	60th Ave. SE/ Twp 211	ROCHESTER	PASSIVE	PASSIVE	0	0.020	0.036	B	0.016	63	NO	NO
193269L	004450	MN	OLMSTED	50TH AV. S.E.	ROCHESTER	GATES	GATES	0	0.013	0.023	B	0.010	100	NO	NO
193270F	004540	MN	OLMSTED	COLLEGE VIEW RD E	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.032	0.046	B	0.014	69	NO	NO
911202N	004710	MN	OLMSTED	E. Circle Dr./Cty Rd 22	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.036	B	0.016	63	NO	NO
193272U	004820	MN	OLMSTED	15TH AVE. N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.022	0.034	B	0.012	83	NO	NO
193273B	004850	MN	OLMSTED	11TH AVE N.E.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.060	B	0.015	65	NO	NO
193275P	004870	MN	OLMSTED	7TH AVE. N.E.	ROCHESTER	PASSIVE	PASSIVE	0	0.037	0.064	B	0.027	37	NO	NO
193276W	004900	MN	OLMSTED	2ND AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.057	0.071	B	0.015	68	NO	NO
193277D	004910	MN	OLMSTED	BROADWAY NO.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	1	0.129	0.155	A	0.026	39	YES	YES
193278K	004920	MN	OLMSTED	1ST AVE N.W.	ROCHESTER	GATES	GATES	0	0.026	0.038	B	0.011	88	NO	NO
193280L	004940	MN	OLMSTED	4TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.029	0.041	B	0.012	85	NO	NO
193281T	004960	MN	OLMSTED	6TH AVE. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.043	0.058	B	0.015	65	NO	NO
193274H	4850	MN	OLMSTED	9TH AVE NE	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.021	0.033	B	0.012	86	NO	NO
193282A	005000	MN	OLMSTED	11TH AVE. N.W.	ROCHESTER	GATES	GATES	0	0.032	0.045	B	0.012	81	NO	NO
193232W	005130	MN	OLMSTED	7TH ST. N.W.	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.055	B	0.015	66	NO	NO
193235S	005420	MN	OLMSTED	Cnty Rd. 104	ROCHESTER	FLASHING LIGHTS	FLASHING LIGHTS	0	0.029	0.048	B	0.019	53	NO	NO
193285V	005680	MN	OLMSTED	CSAH 3	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.020	0.032	B	0.011	87	NO	NO
193236Y	005780	MN	OLMSTED	10th Ave. NE	BYRON	GATES	GATES	0	0.007	0.011	B	0.004	232	NO	NO
193286C	005870	MN	OLMSTED	BYRON AVE. N.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.040	0.056	B	0.015	65	NO	NO
193287J	005890	MN	OLMSTED	SECOND AVE. N.W.	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.044	0.060	B	0.015	65	NO	NO
911209L	5910	MN	OLMSTED	9TH AVE NW	BYRON	FLASHING LIGHTS	FLASHING LIGHTS	0	0.007	0.011	B	0.004	232	NO	NO
193288R	006030	MN	OLMSTED	19th Ave. NW/Twp 202	BYRON	PASSIVE	PASSIVE	0	0.013	0.024	B	0.011	90	NO	NO
							Total	1	0.819	1.193		0.37405	3	Number of crossings	
							Minimum		0.007	0.011		0.00430	232	in the County =	27
							Maximum		0.129	0.155		0.02677	37		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	8740	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	8	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	8	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	8	35	1	1	2	0.046	5	0	0.031	0.015
193383L	8830	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																			
008290	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	11	7	49	1	1	4	0.175	5	1	0.188	0.100
008390	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	365	11	7	49	1	1	2	0.075	5	0	0.046	0.033
008500	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	11	7	49	2	2	2	0.020	5	0	0.015	0.011
008540	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	11	7	49	2	1	2	0.054	5	0	0.036	0.026
8740	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	11	7	49	1	1	2	0.076	5	0	0.047	0.025
8750	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	11	7	35	1	1	2	0.054	5	0	0.035	0.025
8760	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	11	7	35	1	2	1	0.030	5	0	0.021	0.015
008776	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	11	7	49	1	1	2	0.052	5	0	0.035	0.017
8780	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	11	7	35	1	1	2	0.044	5	0	0.030	0.015
8830	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	11	7	49	4	1	4	0.241	5	0	0.098	0.052
008840	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	11	7	49	3	1	4	0.299	5	0	0.109	0.058
008890	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	11	7	49	1	1	2	0.131	5	0	0.069	0.036
008950	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	11	7	49	1	1	2	0.027	5	0	0.020	0.010
008970	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	11	7	49	1	1	2	0.097	5	1	0.141	0.074
009030	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	11	7	49	1	2	2	0.022	5	1	0.069	0.050

Pre/Post-Construction Accident Prediction Comparison
Owatonna Existing Alignment-20 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7															
008290	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.102	0.100	B	-0.002	-476	NO	NO
008390	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	0	0.031	0.033	B	0.002	663	NO	NO
008500	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	0	0.010	0.011	B	0.001	1,697	NO	NO
008540	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	0	0.024	0.026	B	0.001	802	NO	NO
8740	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.025	B	-0.001	-1,152	NO	NO
8750	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	0	0.026	0.025	B	-0.001	-1,001	NO	NO
8760	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	0	0.016	0.015	B	-0.001	-1,536	NO	NO
008776	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	0	0.018	0.017	B	-0.001	-1,725	NO	NO
8780	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	0	0.015	0.015	B	-0.001	-1,929	NO	NO
8830	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.053	0.052	B	-0.001	-834	NO	NO
008840	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.061	0.058	B	-0.003	-305	NO	NO
008890	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.039	0.036	B	-0.003	-327	NO	NO
008950	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.012	0.010	B	-0.001	-803	NO	NO
008970	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.079	0.074	B	-0.005	-202	NO	NO
009030	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	1	0.050	0.050	B	0.000	-2,198	NO	NO
							Total	**3**	**0.563**	**0.546**		**-0.01655**	**-60**	**Number of crossings**	
							Minimum		**0.010**	**0.010**		**0.00059**	**1,697**	**in the County =**	**15**
							Maximum		**0.102**	**0.100**		**0.00151**	**663**		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment - Alternates O-1, O-2, & O-3 MP 82.5 to 90.3																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	8	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	8	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	8	35	1	1	2	0.046	5	0	0.031	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-50 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment - Alternates O-1, O-2, & O-3 MP 82.5 to 90.3																			
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	21	13	49	1	1	4	0.246	5	1	0.218	0.116
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 59	OWATONNA	PASSIVE	PASSIVE	365	21	13	49	1	1	2	0.106	5	0	0.060	0.043
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	21	13	49	2	2	2	0.029	5	0	0.021	0.015
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	21	13	49	2	1	2	0.077	5	0	0.047	0.034
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	21	13	49	1	1	2	0.107	5	0	0.060	0.032
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	21	13	49	1	1	2	0.085	5	0	0.051	0.036
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	21	13	49	1	2	1	0.047	5	0	0.032	0.023
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	21	13	49	1	1	2	0.071	5	0	0.044	0.022
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	21	13	49	1	1	2	0.060	5	0	0.039	0.019
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	21	13	49	4	1	4	0.338	5	0	0.115	0.061
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	21	13	49	3	1	4	0.419	5	0	0.125	0.066
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	21	13	49	1	1	2	0.183	5	0	0.085	0.045
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	21	13	49	1	1	2	0.038	5	0	0.027	0.014
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	21	13	49	1	1	2	0.136	5	1	0.167	0.088
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	21	13	49	1	2	2	0.032	5	1	0.081	0.058

Pre/Post-Construction Accident Prediction Comparison
Owatonna Existing Alignment-50 MNT
Alternative B

FRA ID	MILEPOST	SEG ID	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
										Pre-Construction	Post-Construction					
Owatonna Existing Alignment - Alternates O-1, O-2, & O-3 MP 82.5 to 90.3																
193375U	008290	2	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.102	0.116	B	0.014	73	NO	NO
193376B	008390	2	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	0	0.031	0.043	B	0.011	89	NO	NO
193312P	008500	2	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	0	0.010	0.015	B	0.005	214	NO	NO
193377H	008540	2	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	0	0.024	0.034	B	0.009	105	NO	NO
193382E	008730	2	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.032	B	0.006	165	NO	NO
380294J	8750	2	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	0	0.026	0.036	B	0.010	100	NO	NO
187034M	8760	2	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	0	0.016	0.023	B	0.007	147	NO	NO
187033F	008776	2	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	0	0.018	0.022	B	0.004	243	NO	NO
187032Y	8780	2	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	0	0.015	0.019	B	0.004	270	NO	NO
193383L	008815	3	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.053	0.061	B	0.008	131	NO	NO
193384T	008840	3	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.061	0.066	B	0.005	187	NO	NO
193388V	008890	3	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.039	0.045	B	0.005	187	NO	NO
193390W	008950	3	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.012	0.014	B	0.002	418	NO	NO
193391D	008970	3	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.079	0.088	B	0.009	113	NO	NO
193392K	009030	3	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	1	0.050	0.058	B	0.007	134	NO	NO
								Total	3	0.563	0.670		0.10698	9	Number of crossings	
								Minimum		0.010	0.014		0.00239	418	In the County =	15
								Maximum		0.102	0.116		0.01378	73		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	7.5	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	7.5	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	7.5	35	1	1	2	0.046	5	0	0.031	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																			
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	37	23	49	1	1	4	0.330	5	1	0.245	0.130
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	365	37	23	49	1	1	2	0.145	5	0	0.073	0.052
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	37	23	49	2	2	2	0.040	5	0	0.027	0.020
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	37	23	49	2	1	2	0.105	5	0	0.059	0.042
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	37	23	49	1	1	2	0.143	5	0	0.073	0.039
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	37	23	49	1	1	2	0.116	5	0	0.063	0.045
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	37	23	49	1	2	1	0.064	5	0	0.041	0.029
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	37	23	49	1	1	2	0.092	5	0	0.054	0.027
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	37	23	49	1	1	2	0.078	5	0	0.048	0.023
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	37	23	49	4	1	4	0.454	5	0	0.129	0.068
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	37	23	49	3	1	4	0.564	5	0	0.139	0.073
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	37	23	49	1	1	2	0.246	5	0	0.099	0.053
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	37	23	49	1	1	2	0.052	5	0	0.034	0.018
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	37	23	49	1	1	2	0.183	5	1	0.192	0.102
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	37	23	49	1	2	2	0.043	5	1	0.093	0.067

Pre/Post-Construction Accident Prediction Comparison
Owatonna Existing Alignment- 100 MNT
Alternative B

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7															
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.102	0.130	A	0.028	36	YES	YES
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	0	0.031	0.052	B	0.021	48	NO	NO
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	0	0.010	0.020	B	0.009	107	NO	NO
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	0	0.024	0.042	B	0.018	55	NO	NO
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.039	B	0.013	77	NO	NO
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	0	0.026	0.045	B	0.019	53	NO	NO
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	0	0.016	0.029	B	0.013	75	NO	NO
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	0	0.018	0.027	B	0.009	112	NO	NO
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	0	0.015	0.023	B	0.008	123	NO	NO
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.053	0.068	B	0.015	66	NO	NO
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.061	0.073	B	0.012	81	NO	NO
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.039	0.053	B	0.013	76	NO	NO
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.012	0.018	B	0.006	156	NO	NO
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.079	0.102	B	0.022	45	NO	NO
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	1	0.050	0.067	B	0.016	61	NO	NO
							Total	**3**	**0.563**	**0.787**		**0.22429**	**4**	**Number of crossings**	
							Minimum		**0.010**	**0.018**		**0.00642**	**156**	**in the County =**	**15**
							Maximum		**0.102**	**0.130**		**0.02779**	**36**		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	8	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	8	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	8	35	1	1	2	0.046	5	0	0.031	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																			
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	11	7	49	1	1	4	0.175	5	1	0.188	0.100
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	365	11	7	49	1	1	2	0.075	5	0	0.046	0.033
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	11	7	49	1	2	2	0.020	5	0	0.015	0.011
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	11	7	49	1	1	2	0.054	5	0	0.036	0.026
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	11	7	49	1	1	2	0.076	5	0	0.047	0.025
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	11	7	35	1	1	2	0.054	5	0	0.035	0.025
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	11	7	35	1	2	1	0.030	5	0	0.021	0.015
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	11	7	49	1	1	2	0.052	5	0	0.035	0.017
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	11	7	35	1	1	2	0.044	5	0	0.030	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	11	7	49	4	1	4	0.241	5	0	0.098	0.052
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	11	7	49	3	1	4	0.299	5	0	0.109	0.058
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	11	7	49	1	1	2	0.131	5	0	0.069	0.036
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	11	7	49	1	1	2	0.027	5	0	0.020	0.010
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	11	7	49	1	1	2	0.097	5	1	0.141	0.074
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	11	7	49	1	2	2	0.022	5	1	0.069	0.050

Pre/Post-Construction Accident Prediction Comparison
Owatonna Existing Alignment-20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7															
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.102	0.100	B	-0.002	-476	NO	NO
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	0	0.031	0.033	B	0.002	663	NO	NO
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	0	0.010	0.011	B	0.001	1,697	NO	NO
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	0	0.024	0.026	B	0.001	802	NO	NO
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.025	B	-0.001	-1,152	NO	NO
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	0	0.026	0.025	B	-0.001	-1,001	NO	NO
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	0	0.016	0.015	B	-0.001	-1,536	NO	NO
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	0	0.018	0.017	B	-0.001	-1,725	NO	NO
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	0	0.015	0.015	B	-0.001	-1,929	NO	NO
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.053	0.052	B	-0.001	-834	NO	NO
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.061	0.058	B	-0.003	-305	NO	NO
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.039	0.036	B	-0.003	-327	NO	NO
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.012	0.010	B	-0.001	-803	NO	NO
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.079	0.074	B	-0.005	-202	NO	NO
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	1	0.050	0.050	B	0.000	-2,198	NO	NO
							Total	**3**	**0.563**	**0.546**		**-0.01655**	**-60**	**Number of crossings**	
							Minimum		**0.010**	**0.010**		**0.00059**	**1,697**	**In the County =**	**15**
							Maximum		**0.102**	**0.100**		**0.00151**	**663**		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment - Alternates O-1, O-2, & O-3 MP 82.5 to 90.3																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	8	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	8	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	8	35	1	1	2	0.046	5	0	0.031	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT TANT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1992-1996 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment - Alternates O-1, O-2, & O-3 MP 82.5 to 90.3																			
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	21	13	49	1	1	4	0.246	5	1	0.218	0.116
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 59	OWATONNA	PASSIVE	PASSIVE	365	21	13	49	1	1	2	0.106	5	0	0.060	0.043
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	21	13	49	1	2	2	0.029	5	0	0.021	0.015
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	21	13	49	1	1	2	0.077	5	0	0.047	0.034
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	21	13	49	1	1	2	0.107	5	0	0.060	0.032
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	21	13	49	1	1	2	0.085	5	0	0.051	0.036
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	21	13	49	1	2	1	0.047	5	0	0.032	0.023
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	21	13	49	1	1	2	0.071	5	0	0.044	0.022
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	21	13	49	1	1	2	0.060	5	0	0.039	0.019
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	21	13	49	4	1	4	0.338	5	0	0.115	0.061
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	21	13	49	3	1	4	0.419	5	0	0.125	0.066
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	21	13	49	1	1	2	0.183	5	0	0.085	0.045
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	21	13	49	1	1	2	0.038	5	0	0.027	0.014
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	21	13	49	1	1	2	0.136	5	1	0.167	0.088
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	21	13	49	1	2	2	0.032	5	1	0.081	0.058

Pre/Post-Construction Accident Prediction Comparison
Owatonna Existing Alignment-50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1992-1996 N	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Owatonna Existing Alignment - Alternates O-1, O-2, & O-3 MP 82.5 to 90.3															
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.102	0.116	B	0.014	73	NO	NO
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	0	0.031	0.043	B	0.011	89	NO	NO
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	0	0.010	0.015	B	0.005	214	NO	NO
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	0	0.024	0.034	B	0.009	105	NO	NO
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.032	B	0.006	165	NO	NO
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	0	0.026	0.036	B	0.010	100	NO	NO
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	0	0.016	0.023	B	0.007	147	NO	NO
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	0	0.018	0.022	B	0.004	243	NO	NO
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	0	0.015	0.019	B	0.004	270	NO	NO
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.053	0.061	B	0.008	131	NO	NO
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.061	0.066	B	0.005	187	NO	NO
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.039	0.045	B	0.005	187	NO	NO
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.012	0.014	B	0.002	418	NO	NO
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.079	0.088	B	0.009	113	NO	NO
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	1	0.050	0.058	B	0.007	134	NO	NO
							Total	3	0.563	0.670		0.10698	9	Number of crossings	
							Minimum		0.010	0.014		0.00239	418	In the County =	15
							Maximum		0.102	0.116		0.01378	73		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	7.5	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	7.5	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	7.5	35	1	1	2	0.046	5	0	0.031	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING	PROPOSED	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																			
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	37	23	49	1	1	4	0.330	5	1	0.245	0.130
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	365	37	23	49	1	1	2	0.145	5	0	0.073	0.052
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	37	23	49	1	2	2	0.040	5	0	0.027	0.020
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	37	23	49	1	1	2	0.105	5	0	0.059	0.042
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	37	23	49	1	1	2	0.143	5	0	0.073	0.039
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	37	23	49	1	1	2	0.116	5	0	0.063	0.045
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	37	23	49	1	2	1	0.064	5	0	0.041	0.029
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	37	23	49	1	1	2	0.092	5	0	0.054	0.027
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	37	23	49	1	1	2	0.078	5	0	0.048	0.023
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	37	23	49	4	1	4	0.454	5	0	0.129	0.068
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	37	23	49	3	1	4	0.564	5	0	0.139	0.073
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	37	23	49	1	1	2	0.246	5	0	0.099	0.053
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	37	23	49	1	1	2	0.052	5	0	0.034	0.018
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	37	23	49	1	1	2	0.183	5	1	0.192	0.102
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	37	23	49	1	2	2	0.043	5	1	0.093	0.067

Pre/Post-Construction Accident Prediction Comparison
Owatonna Existing Alignment- 100 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	NO. OBSERVED ACCIDENTS 1993-1997	Estimated Annual Accident Frequency		Category	Change in Frequency	1/Freq.	Trip Threshold	State Top 50
									Pre-Construction	Post-Construction					
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7															
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.102	0.130	A	0.028	36	YES	YES
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	0	0.031	0.052	B	0.021	48	NO	NO
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	0	0.010	0.020	B	0.009	107	NO	NO
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	0	0.024	0.042	B	0.018	55	NO	NO
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.026	0.039	B	0.013	77	NO	NO
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	0	0.026	0.045	B	0.019	53	NO	NO
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	0	0.016	0.029	B	0.013	75	NO	NO
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	0	0.018	0.027	B	0.009	112	NO	NO
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	0	0.015	0.023	B	0.008	123	NO	NO
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.053	0.068	B	0.015	66	NO	NO
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.061	0.073	B	0.012	81	NO	NO
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.039	0.053	B	0.013	76	NO	NO
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	0	0.012	0.018	B	0.006	156	NO	NO
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1	0.079	0.102	B	0.022	45	NO	NO
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	1	0.050	0.067	B	0.016	61	NO	NO
							Total	**3**	**0.563**	**0.787**		**0.22429**	**4**	**Number of crossings**	
							Minimum		**0.010**	**0.018**		**0.00642**	**156**	**In the County =**	**15**
							Maximum		**0.102**	**0.130**		**0.02779**	**36**		

Pre-Construction Accident Prediction Summary
Owatonna Existing Alignment-20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																		
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	4700	12	8	35	1	1	4	0.183	5	1	0.192	0.102
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	365	12	8	35	1	1	2	0.070	5	0	0.044	0.031
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	55	12	8	35	1	2	2	0.019	5	0	0.014	0.010
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	155	12	8	35	1	1	2	0.051	5	0	0.034	0.024
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	1500	12	8	35	1	1	2	0.080	5	0	0.048	0.026
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	200	12	8	35	1	1	2	0.056	5	0	0.037	0.026
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	200	12	8	35	1	2	1	0.031	5	0	0.022	0.016
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	3515	12	8	35	1	1	2	0.054	5	0	0.036	0.018
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	2000	12	8	35	1	1	2	0.046	5	0	0.031	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	2515	12	8	35	4	1	4	0.252	5	0	0.100	0.053
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	6800	14	9	35	3	1	4	0.339	5	0	0.115	0.061
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	5600	14	9	35	1	1	2	0.148	5	0	0.074	0.039
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	125	14	9	35	1	1	2	0.031	5	0	0.022	0.012
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	2700	14	9	35	1	1	2	0.110	5	1	0.150	0.079
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	70	14	9	35	1	2	2	0.023	5	1	0.070	0.050

Post-Construction Accident Prediction Summary
Owatonna Existing Alignment-20 MNT
Alternative D

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	TRNS PER DAY t	NO. THRU TRNS/DAY DAYLIGHT d	MAX. TT SPEED (MPH)	NO. MAIN TRKS	HWY PAVED YES=1 NO=2	NO. HWY LANES	BASIC FORMULA INITIAL (ACCIDENTS/YR) a	NO. YRS T	NO. OBSERVED ACCIDENTS 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
Owatonna Existing Alignment- Alternatives O-1, O-2, & O-3 MP 82.5 to 91.7																			
193375U	008290	MN	STEELE	US HWY 14	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	4700	11	7	49	1	1	4	0.175	5	1	0.188	0.100
193376B	008390	MN	STEELE	SE 44th Ave./Cnty RD 5	OWATONNA	PASSIVE	PASSIVE	365	11	7	49	1	1	2	0.075	5	0	0.046	0.033
193312P	008500	MN	STEELE	SE 34th Ave.	OWATONNA	PASSIVE	PASSIVE	55	11	7	49	2	2	2	0.020	5	0	0.015	0.011
193377H	008540	MN	STEELE	Cnty Rd. 71	OWATONNA	PASSIVE	PASSIVE	155	11	7	49	2	1	2	0.054	5	0	0.036	0.026
193382E	008730	MN	STEELE	RICE LAKE STREET	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	1500	11	7	49	1	1	2	0.076	5	0	0.047	0.025
380294J	8750	MN	STEELE	E. Vine St	OWATONNA	PASSIVE	PASSIVE	200	11	7	35	1	1	2	0.054	5	0	0.035	0.025
187034M	8760	MN	STEELE	Chestnut St	OWATONNA	PASSIVE	PASSIVE	200	11	7	35	1	2	1	0.030	5	0	0.021	0.015
187033F	008776	MN	STEELE	ROSE ST	OWATONNA	GATES	GATES	3515	11	7	49	1	1	2	0.052	5	0	0.035	0.017
187032Y	8780	MN	STEELE	Pine Ave	OWATONNA	GATES	GATES	2000	11	7	35	1	1	2	0.044	5	0	0.030	0.015
193383L	008815	MN	STEELE	ELM AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2515	11	7	49	4	1	4	0.241	5	0	0.098	0.052
193384T	008840	MN	STEELE	CEDAR AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	6800	11	7	49	3	1	4	0.299	5	0	0.109	0.058
193388V	008890	MN	STEELE	STATE AVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	5600	11	7	49	1	1	2	0.131	5	0	0.069	0.036
193390W	008950	MN	STEELE	PARK DRIVE	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	125	11	7	49	1	1	2	0.027	5	0	0.020	0.010
193391D	008970	MN	STEELE	24TH AVE. N.W.	OWATONNA	FLASHING LIGHTS	FLASHING LIGHTS	2700	11	7	49	1	1	2	0.097	5	1	0.141	0.074
193392K	009030	MN	STEELE	32nd Ave./TWP 229	OWATONNA	PASSIVE	PASSIVE	70	11	7	49	1	2	2	0.022	5	1	0.069	0.050