Accident Prediction Summary, South Dakota Rebuild

Alternative C

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Pre-Construction Accident Prediction Summary
South Dakota 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
Segment 6 Brookings to Tracy MP 226.6 to 290.0																		
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	40	10	6	35	1	2	2	0.015	5	0	0.012	0.008
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	1400	10	6	35	1	1	2	0.105	5	0	0.059	0.042
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	250	10	6	35	1	2	2	0.030	5	0	0.022	0.016
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	300	10	6	35	1	1	2	0.059	5	0	0.038	0.027
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	642	10	6	35	1	1	2	0.078	5	0	0.048	0.034
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	35	10	6	35	1	2	2	0.015	5	0	0.011	0.008
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	39	10	6	35	1	2	2	0.015	5	0	0.012	0.008
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	36	10	6	35	1	2	2	0.015	5	0	0.011	0.008
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	33	10	6	35	1	2	2	0.014	5	0	0.011	0.008
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	93	10	6	35	1	2	2	0.021	5	0	0.016	0.011
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	47	10	6	35	1	2	2	0.016	5	0	0.012	0.009
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	27	10	6	35	1	2	2	0.013	5	0	0.010	0.007
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	43	10	6	35	1	2	2	0.016	5	0	0.012	0.009
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	42	10	6	35	1	2	2	0.016	5	0	0.012	0.008
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	31	10	6	35	1	2	2	0.014	5	0	0.011	0.008
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	5	10	6	35	1	2	2	0.007	5	0	0.006	0.004
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	139	10	6	35	1	1	2	0.044	5	0	0.030	0.022
Segment 7 Arlington to Brookings MP 290.9 to 308.3																		
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	30	8	5	35	1	2	2	0.012	5	0	0.009	0.007
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	17	8	5	35	1	2	1	0.010	5	0	0.008	0.005
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	170	8	5	35	1	1	2	0.042	5	1	0.092	0.066
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	25	8	5	35	1	2	2	0.012	5	0	0.009	0.006
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	30	8	5	35	1	2	2	0.012	5	0	0.009	0.007
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	15	8	5	20	2	2	2	0.008	5	0	0.007	0.005
197451Y	030800	SD	BROOKINGS	US HWY 81	ARLINGTON	FLASHING LIGHTS	1536	8	5	20	1	1	4	0.094	5	0	0.055	0.029
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	630	8	5	20	3	1	2	0.061	5	0	0.039	0.028
Segment 8 Huron to Arlington MP 308.3 to 342.8																		
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	300	6	4	20	3	2	2	0.022	5	0	0.016	0.012
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	430	6	4	20	3	1	2	0.046	5	0	0.031	0.022
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	43	6	4	35	2	2	2	0.012	5	0	0.009	0.007
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	74	6	4	35	1	2	2	0.015	5	0	0.011	0.008
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	20	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	245	6	4	35	1	1	2	0.042	5	1	0.091	0.065
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	118	6	4	35	1	2	2	0.017	5	0	0.013	0.009
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	5	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	408	6	4	35	1	1	2	0.050	5	0	0.033	0.024
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	89	6	4	35	3	2	2	0.016	5	1	0.061	0.044
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	2496	6	4	35	3	1	2	0.098	5	0	0.056	0.040
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	86	6	4	35	3	2	2	0.016	5	0	0.012	0.008
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	225	6	4	35	1	1	2	0.026	5	2	0.128	0.068
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	5	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	3	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	75	6	4	35	1	2	2	0.015	5	0	0.011	0.008
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005

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197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	27	6	4	35	1	2	2	0.010	5	0	0.008	0.006
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	115	6	4	35	1	2	2	0.017	5	1	0.063	0.045
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	390	6	4	35	3	1	2	0.049	5	1	0.099	0.071
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	3063	6	4	35	2	1	2	0.090	5	0	0.053	0.028
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	186	6	4	35	2	1	2	0.038	5	0	0.026	0.019
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	130	6	4	35	2	2	2	0.018	5	0	0.014	0.010
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	610	6	4	35	2	1	2	0.058	5	0	0.038	0.027
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	33	6	4	35	1	2	2	0.011	5	0	0.008	0.006
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	2	6	4	35	1	2	2	0.004	5	0	0.003	0.002
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	36	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	10	6	3.75	35	1	2	1	0.007	5	0	0.005	0.004
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	215	6	4	35	1	1	2	0.040	5	0	0.027	0.020
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	45	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	17	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	62	6	4	35	1	2	1	0.014	5	0	0.010	0.007
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	62	6	4	35	1	2	2	0.014	5	0	0.010	0.007
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	8	6	4	35	1	2	1	0.006	5	0	0.005	0.004
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	19	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	1285	6	3.75	25	1	1	2	0.052	5	0	0.035	0.018
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	613	6	4	20	2	1	2	0.052	5	0	0.034	0.025
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	230	6	4	20	2	2	2	0.020	5	0	0.015	0.011
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	157	6	4	20	1	1	2	0.022	5	0	0.016	0.009
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	42	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	95	6	4	35	1	2	2	0.016	5	0	0.012	0.009
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	19	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	188	6	4	35	1	1	2	0.038	5	0	0.026	0.019
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	37	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	44	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	40	6	4	35	1	2	2	0.012	5	0	0.009	0.006
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	45	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	45	6	4	20	1	1	2	0.013	5	0	0.010	0.005
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	545	6	4	30	1	1	2	0.054	5	1	0.104	0.074
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	11030	6	4	30	3	1	4	0.267	5	0	0.103	0.055
Segment 9 Wolsey to Huron MP 362.6 to 376.1																		
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	5290	6	4	30	5	1	2	0.201	5	0	0.089	0.047
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	2137	6	4	30	1	1	4	0.093	5	1	0.137	0.073
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	125	6	4	30	1	2	2	0.017	5	0	0.013	0.009
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	40	6	4	30	1	1	2	0.020	5	0	0.015	0.011
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	29	6	4	30	2	2	1	0.010	5	0	0.008	0.006
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	20	6	4	30	1	2	1	0.009	5	0	0.007	0.005
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	305	6	4	30	1	1	2	0.043	5	2	0.157	0.112
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	35	6	4	30	1	2	2	0.011	5	0	0.008	0.006
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	20	6	4	30	1	2	1	0.009	5	0	0.007	0.005

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189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	19	6	4	30	1	2	2	0.009	5	0	0.007	0.005
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	3	6	4	30	1	2	1	0.004	5	0	0.003	0.002
Segment 10 Midland to Wolsey MP 376.1 to 533.2																		
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	2671	4	3	30	3	1	2	0.084	5	1	0.130	0.069
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	200	4	3	30	2	2	1	0.016	5	0	0.012	0.009
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	27	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	24	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	15	4	3	30	1	2	2	0.006	5	0	0.005	0.004
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	12	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	20	4	3	30	1	2	2	0.007	5	0	0.005	0.004
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	25	4	3	30	1	2	2	0.008	5	0	0.006	0.004
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	952	4	3	30	2	1	2	0.053	5	1	0.103	0.074
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	464	4	3	30	2	1	2	0.041	5	0	0.028	0.020
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	14	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	9	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	120	4	3	30	1	1	2	0.025	5	0	0.018	0.013
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	4	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	115	4	3	30	1	1	2	0.024	5	0	0.018	0.013
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	164	4	3	30	2	2	2	0.015	5	0	0.012	0.008
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	166	4	3	30	2	2	2	0.015	5	1	0.061	0.030
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	400	4	3	30	2	1	2	0.039	5	0	0.027	0.019
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	2505	4	3	30	3	1	2	0.082	5	0	0.049	0.026
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	204	4	3	30	1	2	1	0.017	5	0	0.012	0.009
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	14	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	49	4	3	30	1	2	1	0.010	5	0	0.008	0.005
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	5	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	508	4	3	30	2	1	2	0.035	5	0	0.025	0.013
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	5	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	7	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	115	4	3	30	1	2	9	0.013	5	0	0.010	0.007
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	272	4	3	30	3	2	2	0.021	5	1	0.068	0.033
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	1543	4	3	30	4	1	2	0.040	5	0	0.028	0.014
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	8	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	6	4	3	30	1	2	2	0.005	5	0	0.004	0.003
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	36	4	3	30	1	2	2	0.009	5	0	0.007	0.005
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003

Pre-Construction Accident Prediction Summary
South Dakota 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
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	21	4	3	30	1	2	1	0.007	5	0	0.006	0.004
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	80	4	3	30	1	1	2	0.021	5	0	0.016	0.011
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	7	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	300	4	3	30	3	1	2	0.034	5	3	0.202	0.107
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	145	4	3	30	1	1	2	0.027	5	0	0.019	0.014
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	35	4	3	30	1	2	1	0.009	5	0	0.007	0.005
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	35	4	3	30	1	2	2	0.009	5	0	0.007	0.005
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	16	4	3	30	1	2	1	0.006	5	0	0.005	0.004
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	9	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	9	4	3	30	2	2	2	0.005	5	0	0.004	0.003
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	153	4	3	30	1	1	2	0.027	5	0	0.020	0.014
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	82	4	3	30	1	2	2	0.012	5	0	0.009	0.006
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	15	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

Post-Construction Accident Prediction Summary
South Dakota 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
Segment 6 Brookings to Tracy MP 226.6 to 290.0																			
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	11	6.88	49	2	2	2	0.018	5	0	0.014	0.010
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	11	6.88	49	1	1	2	0.123	5	0	0.066	0.047
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	11	6.88	49	1	2	2	0.036	5	0	0.025	0.018
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	11	6.88	49	1	1	2	0.069	5	0	0.043	0.031
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	11	6.88	49	1	1	2	0.092	5	0	0.054	0.038
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	11	6.88	49	1	2	2	0.018	5	0	0.013	0.010
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	11	6.88	49	1	2	2	0.025	5	0	0.018	0.013
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	11	6.88	49	1	2	2	0.018	5	0	0.014	0.010
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	11	6.88	49	1	2	2	0.019	5	0	0.014	0.010
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	11	6.88	49	1	2	2	0.016	5	0	0.012	0.008
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	11	6.88	49	1	2	2	0.019	5	0	0.014	0.010
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	11	6.88	49	1	2	2	0.018	5	0	0.014	0.010
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	11	6.88	49	1	2	2	0.017	5	0	0.012	0.009
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	11	6.88	49	1	2	2	0.008	5	0	0.007	0.005
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	11	6.88	49	1	1	2	0.052	5	0	0.035	0.025
Segment 7 Arlington to Brookings MP 290.9 to 308.3																			
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	11	6.88	49	1	2	2	0.016	5	0	0.012	0.009
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	PASSIVE	17	11	6.88	49	1	2	1	0.013	5	0	0.010	0.007
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	PASSIVE	170	11	6.88	49	1	1	2	0.056	5	1	0.106	0.076
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	11	6.88	49	1	2	2	0.015	5	0	0.011	0.008
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	11	6.88	49	1	2	2	0.016	5	0	0.012	0.009
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	11	6.88	49	1	2	2	0.014	5	0	0.011	0.008
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	11	6.88	49	2	2	2	0.013	5	0	0.010	0.007
197451Y	030800	SD	BROOKINGS	US HWY 81	ARLINGTON	FLASHING LIGHTS	FLASHING LIGHTS	1536	11	6.88	49	1	1	4	0.111	5	0	0.061	0.032
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	11	6.88	49	3	1	2	0.091	5	0	0.054	0.038
Segment 8 Huron to Arlington MP 308.3 to 362.8																			
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	11	6.88	49	3	2	2	0.038	5	0	0.027	0.019
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	11	6.88	49	3	1	2	0.079	5	0	0.048	0.034
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	11	6.88	49	2	2	2	0.019	5	0	0.014	0.010
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	11	6.88	49	1	2	2	0.023	5	0	0.017	0.012
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	11	6.88	49	1	2	2	0.014	5	0	0.011	0.008
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	11	6.88	49	1	1	2	0.064	5	1	0.114	0.081
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	118	11	6.88	49	1	2	2	0.027	5	0	0.020	0.014
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	11	6.88	49	1	2	2	0.011	5	0	0.008	0.006
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	11	6.88	49	2	2	2	0.008	5	0	0.007	0.005
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	11	6.88	49	1	1	2	0.078	5	0	0.047	0.034
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	11	6.88	49	3	2	2	0.024	5	1	0.072	0.052
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	11	6.88	49	3	1	2	0.152	5	0	0.076	0.054
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	11	6.88	49	3	2	2	0.024	5	0	0.018	0.013
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	11	6.88	49	1	1	2	0.035	5	2	0.144	0.076
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	11	6.88	49	1	2	2	0.008	5	0	0.007	0.005
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	11	6.88	49	1	2	2	0.007	5	0	0.005	0.004

Post-Construction Accident Prediction Summary
South Dakota 20 MNT
Alternative C

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197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	11	6.88	49	1	2	2	0.023	5	0	0.017	0.012
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	11	6.88	49	1	2	2	0.013	5	0	0.010	0.007
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	11	6.88	49	1	2	2	0.016	5	0	0.012	0.008
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	11	6.88	49	1	2	2	0.027	5	1	0.075	0.054
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	11	6.88	49	3	1	2	0.076	5	1	0.124	0.089
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	FLASHING LIGHTS	3063	11	6.88	49	2	1	2	0.124	5	0	0.066	0.035
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	11	6.88	49	2	1	2	0.058	5	0	0.038	0.027
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	11	6.88	49	2	2	2	0.028	5	0	0.020	0.014
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	11	6.88	49	2	1	2	0.090	5	0	0.053	0.038
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	11	6.88	49	2	2	2	0.017	5	0	0.013	0.009
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	11	6.88	49	2	2	2	0.006	5	0	0.005	0.003
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	11	6.88	49	2	2	2	0.017	5	0	0.013	0.009
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	11	6.88	49	2	2	1	0.011	5	0	0.008	0.006
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	11	6.88	49	2	2	2	0.017	5	0	0.013	0.009
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	11	6.88	49	2	2	2	0.011	5	0	0.008	0.006
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	11	6.88	49	2	1	2	0.061	5	0	0.039	0.028
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	11	6.88	49	2	2	2	0.019	5	0	0.014	0.010
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	11	6.88	49	1	2	2	0.013	5	0	0.010	0.007
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	11	6.88	49	1	2	1	0.021	5	0	0.016	0.011
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	11	6.88	49	1	2	2	0.021	5	0	0.016	0.011
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	11	6.88	49	1	2	1	0.010	5	0	0.008	0.006
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	11	6.88	49	1	2	2	0.013	5	0	0.010	0.007
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	11	6.88	49	1	2	2	0.014	5	0	0.010	0.007
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	1285	11	6.875	49	1	1	2	0.071	5	0	0.044	0.024
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	11	6.88	49	2	1	2	0.090	5	0	0.053	0.038
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	11	6.88	49	2	2	2	0.035	5	0	0.024	0.017
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	157	11	6.88	49	1	1	2	0.030	5	0	0.022	0.011
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	11	6.88	49	1	2	2	0.011	5	0	0.008	0.006
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	11	6.88	49	1	2	2	0.018	5	0	0.014	0.010
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	11	6.88	49	1	2	2	0.011	5	0	0.008	0.006
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	11	6.88	49	1	2	2	0.025	5	0	0.018	0.013
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	11	6.88	49	1	2	2	0.014	5	0	0.010	0.007
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	11	6.88	49	1	1	2	0.058	5	0	0.038	0.027
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	11	6.88	49	1	2	2	0.013	5	0	0.010	0.007
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	11	6.88	49	2	2	2	0.013	5	0	0.010	0.007
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	11	6.88	49	2	2	2	0.018	5	0	0.013	0.009
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	11	6.88	49	2	2	2	0.019	5	0	0.014	0.010
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	11	6.88	49	2	2	2	0.018	5	0	0.014	0.010
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	11	6.88	49	1	2	2	0.019	5	0	0.014	0.010
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	45	11	6.88	49	1	1	2	0.018	5	0	0.013	0.007
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	11	6.88	49	1	1	2	0.087	5	1	0.133	0.095
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	11030	11	6.88	49	3	1	4	0.365	5	0	0.119	0.063
Segment 9 Wolsey to Huron MP 362.8 to 376.1																			
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	5290	11	6.88	49	5	1	2	0.275	5	0	0.105	0.055
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	FLASHING LIGHTS	2137	11	6.88	49	1	1	4	0.127	5	1	0.161	0.085
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	11	6.88	49	1	2	2	0.028	5	0	0.020	0.014
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	11	6.88	49	2	1	2	0.033	5	0	0.023	0.017
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	11	6.88	49	3	2	1	0.016	5	0	0.012	0.009

Post-Construction Accident Prediction Summary
South Dakota 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
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	11	6.88	49	1	2	1	0.014	5	0	0.011	0.008
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	11	6.88	49	1	1	2	0.070	5	2	0.194	0.139
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	11	6.88	49	2	2	1	0.014	5	0	0.011	0.008
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	11	6.88	49	2	2	2	0.014	5	0	0.010	0.007
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	11	6.88	49	2	2	1	0.007	5	0	0.005	0.004
Segment 10 Midland to Wolsey MP 376.1 to 533.2																			
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	FLASHING LIGHTS	2671	11	6.88	40	2	1	2	0.117	5	1	0.155	0.082
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	11	6.88	49	2	2	1	0.033	5	0	0.023	0.017
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	11	6.88	49	1	2	1	0.016	5	0	0.012	0.008
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	11	6.88	49	1	2	1	0.015	5	0	0.011	0.008
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	11	6.88	49	1	2	2	0.013	5	0	0.010	0.007
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	11	6.88	49	1	2	1	0.014	5	0	0.011	0.008
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	11	6.88	49	2	2	1	0.012	5	0	0.009	0.006
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	11	6.88	49	2	2	2	0.014	5	0	0.011	0.008
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	11	6.88	49	1	2	2	0.015	5	0	0.011	0.008
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	11	6.88	49	2	1	2	0.106	5	1	0.147	0.106
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	11	6.88	49	2	1	2	0.082	5	0	0.049	0.035
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	11	6.88	49	1	2	1	0.012	5	0	0.009	0.007
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	11	6.88	49	1	2	1	0.010	5	0	0.008	0.006
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	11	6.88	49	1	2	1	0.011	5	0	0.008	0.006
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	11	6.88	49	1	2	1	0.006	5	0	0.005	0.003
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	11	6.88	49	1	1	2	0.049	5	0	0.033	0.024
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	11	6.88	49	1	2	1	0.005	5	0	0.004	0.003
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	11	6.88	49	1	2	1	0.015	5	0	0.011	0.008
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	11	6.88	49	1	2	1	0.005	5	0	0.004	0.003
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	11	6.88	49	1	2	1	0.008	5	0	0.006	0.004
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	11	6.88	49	1	1	2	0.049	5	0	0.033	0.023
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	11	6.88	49	2	2	2	0.031	5	0	0.022	0.016
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	11	6.88	49	2	2	2	0.025	5	1	0.072	0.036
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	11	6.88	49	1	2	1	0.015	5	0	0.011	0.008
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	11	6.88	49	2	1	2	0.077	5	0	0.047	0.034
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	11	6.88	49	3	1	2	0.138	5	0	0.071	0.038
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	11	6.88	49	1	2	1	0.033	5	0	0.023	0.017
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	11	6.88	49	2	2	1	0.012	5	0	0.009	0.007
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	11	6.88	49	2	2	1	0.006	5	0	0.005	0.003
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	11	6.88	49	2	2	1	0.006	5	0	0.005	0.003
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	11	6.88	49	2	2	1	0.006	5	0	0.005	0.003
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	11	6.88	49	1	2	1	0.020	5	0	0.015	0.010
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	11	6.88	49	1	2	1	0.007	5	0	0.005	0.004
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	11	6.88	49	1	2	1	0.008	5	0	0.007	0.005
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	11	6.88	49	1	2	1	0.006	5	0	0.005	0.003
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	11	6.88	49	2	1	2	0.059	5	0	0.038	0.020
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	11	6.88	49	1	2	1	0.008	5	0	0.007	0.005
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	11	6.88	49	1	2	1	0.006	5	0	0.005	0.003
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	11	6.88	49	1	2	1	0.010	5	0	0.007	0.005
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	11	6.88	49	1	2	1	0.014	5	0	0.011	0.008
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	PASSIVE	115	11	6.88	49	1	2	9	0.027	5	0	0.019	0.014
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	11	6.88	49	1	2	1	0.005	5	0	0.004	0.003
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	11	6.88	49	1	2	1	0.011	5	0	0.008	0.006

Post-Construction Accident Prediction Summary
South Dakota 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
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	11	6.88	49	3	2	2	0.033	5	1	0.082	0.040
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	11	6.88	49	4	1	2	0.064	5	0	0.041	0.020
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	11	6.88	49	2	2	1	0.010	5	0	0.008	0.006
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	11	6.88	49	2	2	2	0.009	5	0	0.007	0.005
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	PASSIVE	36	11	6.88	49	2	2	2	0.017	5	0	0.013	0.009
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	11	6.88	49	1	2	1	0.011	5	0	0.008	0.006
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	11	6.88	49	1	2	1	0.014	5	0	0.011	0.008
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	11	6.88	49	1	1	2	0.043	5	0	0.029	0.021
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	11	6.88	49	1	2	1	0.007	5	0	0.005	0.004
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	11	6.88	49	1	2	1	0.007	5	0	0.005	0.004
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	11	6.88	49	1	2	1	0.010	5	0	0.007	0.005
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	11	6.88	49	1	2	1	0.014	5	0	0.011	0.008
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	11	6.88	49	1	2	1	0.014	5	0	0.011	0.008
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	FLASHING LIGHTS	300	11	6.88	49	3	1	2	0.058	5	3	0.247	0.131
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	11	6.88	49	2	1	2	0.053	5	0	0.035	0.025
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	11	6.88	49	2	2	1	0.017	5	0	0.013	0.009
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	11	6.88	49	1	2	2	0.017	5	0	0.013	0.009
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	11	6.88	49	1	2	1	0.013	5	0	0.010	0.007
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	11	6.88	49	2	2	1	0.010	5	0	0.008	0.006
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	11	6.88	49	3	2	2	0.010	5	0	0.008	0.006
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	11	6.88	49	2	1	2	0.054	5	0	0.036	0.025
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	11	6.88	49	1	2	2	0.024	5	0	0.017	0.012
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	11	6.88	49	2	2	1	0.013	5	0	0.010	0.007
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	11	6.88	49	1	2	1	0.011	5	0	0.008	0.006
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	11	6.88	49	3	2	2	0.021	5	0	0.016	0.011
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	PASSIVE	16	11	6.88	49	1	2	1	0.013	5	0	0.010	0.007
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	11	6.88	49	1	2	1	0.015	5	0	0.011	0.008
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	11	6.88	49	1	2	1	0.020	5	0	0.015	0.011
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	11	6.88	49	2	2	1	0.021	5	0	0.015	0.011
Segment 11 Wasta to Midland MP 533.2 to 605																			
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	PASSIVE	228	11	6.88	49	2	2	1	0.035	5	0	0.024	0.017
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	FLASHING LIGHTS	280	11	6.88	49	2	1	2	0.046	5	0	0.031	0.017
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	11	6.88	49	2	2	1	0.023	5	0	0.017	0.012
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	11	6.88	49	4	1	2	0.094	5	0	0.055	0.029
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	11	6.88	30	1	2	2	0.017	5	0	0.013	0.009
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	15	11	6.88	49	1	2	1	0.013	5	0	0.010	0.007
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	FLASHING LIGHTS	1020	11	6.88	49	1	1	2	0.065	5	1	0.114	0.060
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	11	6.88	49	1	2	1	0.021	5	0	0.015	0.011
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD S	COTTONWOOD	PASSIVE	PASSIVE	26	11	6.88	49	1	2	2	0.015	5	0	0.012	0.008
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	11	6.88	49	1	2	1	0.018	5	0	0.014	0.010
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	11	6.88	49	1	2	1	0.012	5	0	0.009	0.006
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 5	QUINN	PASSIVE	PASSIVE	6	11	6.88	49	2	2	1	0.009	5	0	0.007	0.005
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	11	6.88	49	2	1	2	0.044	5	0	0.030	0.021
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	11	6.88	49	1	1	2	0.025	5	0	0.018	0.013

Pre/Post-Construction Accident Prediction Comparison
South Dakota 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
Brookings County																	
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	2	0	0.008	0.010	B	0.001	744	NO	NO
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	2	0	0.042	0.047	B	0.005	204	NO	NO
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	2	0	0.016	0.018	B	0.002	425	NO	NO
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	2	0	0.027	0.031	B	0.004	270	NO	NO
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	2	0	0.034	0.038	B	0.004	231	NO	NO
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	2	0	0.008	0.009	B	0.001	777	NO	NO
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	2	0	0.008	0.010	B	0.001	750	NO	NO
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	2	0	0.008	0.009	B	0.001	770	NO	NO
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	2	0	0.008	0.009	B	0.001	792	NO	NO
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	2	0	0.011	0.013	B	0.002	570	NO	NO
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	2	0	0.008	0.010	B	0.001	738	NO	NO
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	2	0	0.009	0.010	B	0.001	706	NO	NO
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	2	0	0.007	0.008	B	0.001	846	NO	NO
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	2	0	0.009	0.010	B	0.001	727	NO	NO
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	2	0	0.008	0.010	B	0.001	732	NO	NO
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	2	0	0.008	0.009	B	0.001	808	NO	NO
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	2	0	0.004	0.005	B	0.001	1,498	NO	NO
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	2	0	0.022	0.025	B	0.003	323	NO	NO
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	2	0	0.007	0.009	B	0.002	490	NO	NO
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	PASSIVE	17	1	0	0.005	0.007	B	0.002	592	NO	NO
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	PASSIVE	170	2	1	0.066	0.076	A	0.010	101	NO	YES
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	2	0	0.006	0.008	B	0.002	520	NO	NO
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	2	0	0.007	0.009	B	0.002	490	NO	NO
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	2	0	0.006	0.008	B	0.002	560	NO	NO
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	2	0	0.005	0.007	B	0.002	460	NO	NO
							Total			1	0.348	0.404		0.057	18	Number of crossings	
							Minimum				0.004	0.005		0.001	1,498	in the County =	25
							Maximum				0.066	0.076		0.010	101		
Kingsbury County																	
197451Y	030800	SD	KINGSBURY	US HWY 81	ARLINGTON	FLASHING LIGHTS	FLASHING LIGHTS	1536	4	0	0.029	0.032	B	0.004	277	NO	NO
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	2	0	0.028	0.038	B	0.010	99	NO	NO
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	2	0	0.012	0.019	B	0.007	135	NO	NO
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	2	0	0.022	0.034	B	0.012	81	NO	NO
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	2	0	0.007	0.010	B	0.003	299	NO	NO
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	2	0	0.008	0.012	B	0.004	251	NO	NO
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	2	0	0.005	0.008	B	0.003	386	NO	NO
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	2	1	0.065	0.081	A	0.016	63	YES	YES
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	151	2	0	0.009	0.014	B	0.005	217	NO	NO
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	2	0	0.004	0.006	B	0.002	489	NO	NO
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	2	0	0.003	0.005	B	0.002	622	NO	NO
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	2	0	0.024	0.034	B	0.010	100	NO	NO
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	2	1	0.044	0.052	A	0.008	131	NO	YES
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	2	0	0.040	0.054	A	0.014	73	YES	YES
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	2	0	0.008	0.013	B	0.004	239	NO	NO
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	2	2	0.068	0.076	A	0.008	121	NO	YES
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	2	0	0.003	0.005	B	0.002	622	NO	NO
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	2	0	0.003	0.004	B	0.001	745	NO	NO
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	2	0	0.008	0.012	B	0.004	250	NO	NO
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	2	0	0.005	0.007	B	0.002	425	NO	NO
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	2	0	0.006	0.008	B	0.003	349	NO	NO
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	2	1	0.045	0.054	A	0.008	121	NO	YES

Pre/Post-Construction Accident Prediction Comparison
South Dakota 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	2	1	0.071	0.089	A	0.018	56	YES	YES
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	FLASHING LIGHTS	3063	2	0	0.028	0.035	B	0.007	144	NO	NO
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	2	0	0.019	0.027	B	0.008	121	NO	NO
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	2	0	0.010	0.014	B	0.005	210	NO	NO
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	2	0	0.027	0.038	B	0.011	92	NO	NO
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	2	0	0.006	0.009	B	0.003	326	NO	NO
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	2	0	0.002	0.003	B	0.001	861	NO	NO
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	2	0	0.006	0.009	B	0.003	317	NO	NO
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	1	0	0.004	0.006	B	0.002	489	NO	NO
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	2	0	0.006	0.009	B	0.003	320	NO	NO
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	2	0	0.004	0.006	B	0.002	489	NO	NO
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	2	0	0.020	0.028	B	0.009	116	NO	NO
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	2	0	0.007	0.010	B	0.003	295	NO	NO
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	2	0	0.005	0.007	B	0.002	408	NO	NO
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	1	0	0.007	0.011	B	0.004	266	NO	NO
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	2	0	0.007	0.011	B	0.004	266	NO	NO
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	1	0	0.004	0.006	B	0.002	528	NO	NO
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	2	0	0.005	0.007	B	0.002	425	NO	NO
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	2	0	0.018	0.024	B	0.005	190	NO	NO
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS			0	0.018	0.024	B	0.005	190	NO	NO
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	2	0	0.025	0.038	B	0.013	75	NO	NO
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	2	0	0.011	0.017	B	0.007	146	NO	NO
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	157	2	0	0.009	0.011	B	0.003	354	NO	NO
							Total			6	0.763	1.018		0.255	4	Number of crossings	
							Minimum				0.002	0.003		0.0012	861	In the County =	45
							Maximum				0.071	0.089		0.018	56		
Beadle County																	
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	2	0	0.004	0.006	B	0.002	489	NO	NO
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	2	0	0.007	0.010	B	0.003	301	NO	NO
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	2	0	0.004	0.006	B	0.002	489	NO	NO
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	2	0	0.009	0.013	B	0.004	232	NO	NO
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	2	0	0.006	0.009	B	0.003	320	NO	NO
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	2	0	0.005	0.007	B	0.003	392	NO	NO
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	2	0	0.006	0.009	B	0.003	320	NO	NO
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	2	0	0.019	0.027	B	0.008	120	NO	NO
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	2	0	0.005	0.007	B	0.002	425	NO	NO
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	2	0	0.005	0.007	B	0.002	425	NO	NO
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	2	0	0.006	0.009	B	0.003	314	NO	NO
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	2	0	0.007	0.010	B	0.003	297	NO	NO
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	2	0	0.006	0.010	B	0.003	306	NO	NO
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	2	0	0.007	0.010	B	0.003	295	NO	NO
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	45	2	0	0.005	0.007	B	0.002	547	NO	NO
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	2	1	0.074	0.095	A	0.021	49	YES	YES
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	11030	4	0	0.055	0.063	A	0.008	122	NO	YES
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	5290	2	0	0.047	0.055	A	0.008	120	NO	YES
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	FLASHING LIGHTS	2137	4	1	0.073	0.085	A	0.013	79	YES	YES
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	2	0	0.009	0.014	B	0.005	199	NO	NO
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	2	0	0.011	0.017	B	0.006	172	NO	NO
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	1	0	0.006	0.009	B	0.003	318	NO	NO
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	1	0	0.005	0.008	B	0.003	360	NO	NO
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	2	2	0.112	0.139	A	0.026	38	YES	YES
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	2	0	0.006	0.009	B	0.003	299	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	1	0	0.005	0.008	B	0.003	360	NO	NO
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	2	0	0.005	0.007	B	0.003	367	NO	NO
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	1	0	0.002	0.004	B	0.001	696	NO	NO
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	FLASHING LIGHTS	2671	2	1	0.069	0.082	A	0.013	78	YES	YES
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	1	0	0.009	0.017	B	0.008	128	NO	NO
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	1	0	0.004	0.008	B	0.004	245	NO	NO
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	1	0	0.004	0.008	B	0.004	254	NO	NO
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	2	0	0.004	0.007	B	0.003	299	NO	NO
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	1	0	0.004	0.008	B	0.004	271	NO	NO
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	1	0	0.003	0.006	B	0.003	323	NO	NO
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	2	0	0.004	0.008	B	0.004	271	NO	NO
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	2	0	0.004	0.008	B	0.004	251	NO	NO
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	2	1	0.074	0.106	A	0.032	32	YES	YES
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	2	0	0.020	0.035	B	0.015	66	NO	NO
							Total			6	0.708	0.953		0.245	4	Number of crossings	
							Minimum				0.002	0.004		0.001	696	in the County =	39
							Maximum				0.112	0.139		0.032	32		
Hand County																	
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	1	0	0.003	0.007	B	0.003	306	NO	NO
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	1	0	0.003	0.006	B	0.003	356	NO	NO
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	1	0	0.003	0.006	B	0.003	344	NO	NO
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	1	0	0.002	0.003	B	0.002	607	NO	NO
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	2	0	0.013	0.024	B	0.011	93	NO	NO
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	1	0	0.001	0.003	B	0.001	780	NO	NO
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	1	0	0.004	0.008	B	0.004	251	NO	NO
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	1	0	0.001	0.003	B	0.001	780	NO	NO
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	1	0	0.002	0.004	B	0.002	474	NO	NO
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	2	0	0.013	0.023	B	0.011	94	NO	NO
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	2	0	0.008	0.016	B	0.007	136	NO	NO
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	2	1	0.030	0.036	B	0.006	178	NO	NO
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	1	0	0.004	0.008	B	0.004	251	NO	NO
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	2	0	0.019	0.034	B	0.015	68	NO	NO
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	2	0	0.026	0.038	B	0.012	86	NO	NO
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	1	0	0.009	0.017	B	0.008	127	NO	NO
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	1	0	0.003	0.007	B	0.003	306	NO	NO
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.003	B	0.002	607	NO	NO
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.003	B	0.002	607	NO	NO
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.003	B	0.002	607	NO	NO
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	1	0	0.005	0.010	B	0.005	200	NO	NO
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	1	0	0.002	0.004	B	0.002	525	NO	NO
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	1	0	0.002	0.005	B	0.002	438	NO	NO
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	1	0	0.002	0.003	B	0.002	607	NO	NO
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	2	0	0.013	0.020	B	0.007	138	NO	NO
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	1	0	0.002	0.005	B	0.002	438	NO	NO
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	1	0	0.002	0.003	B	0.002	607	NO	NO
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	1	0	0.003	0.005	B	0.003	389	NO	NO
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	1	0	0.004	0.008	B	0.004	271	NO	NO
							Total			1	0.186	0.314		0.128	8	Number of crossings	
							Minimum				0.001	0.003		0.0013	780	in the County =	29
							Maximum				0.030	0.038		0.015	68		
Hyde County																	
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	PASSIVE	115	9	0	0.007	0.014	B	0.007	152	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	1	0	0.001	0.003	B	0.001	780	NO	NO
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	1	0	0.003	0.006	B	0.003	344	NO	NO
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	2	1	0.033	0.040	B	0.007	139	NO	NO
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	2	0	0.014	0.020	B	0.007	154	NO	NO
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	1	0	0.003	0.006	B	0.003	371	NO	NO
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	2	0	0.003	0.005	B	0.002	411	NO	NO
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	PASSIVE	36	2	0	0.005	0.009	B	0.005	222	NO	NO
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	1	0	0.003	0.006	B	0.003	344	NO	NO
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	1	0	0.004	0.008	B	0.004	266	NO	NO
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	2	0	0.011	0.021	B	0.010	104	NO	NO
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	1	0	0.002	0.004	B	0.002	525	NO	NO
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	1	0	0.002	0.004	B	0.002	525	NO	NO
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	1	0	0.003	0.005	B	0.003	389	NO	NO
							Total			1	0.094	0.150		0.057	18	Number of crossings	
							Minimum				0.001	0.003		0.001	780	In the County =	14
							Maximum				0.033	0.040		0.010	104		
Hughes County																	
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	1	0	0.004	0.008	B	0.004	271	NO	NO
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	1	0	0.004	0.008	B	0.004	271	NO	NO
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	FLASHING LIGHTS	300	2	3	0.107	0.131	A	0.024	41	YES	YES
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	2	0	0.014	0.025	B	0.011	88	NO	NO
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	1	0	0.005	0.009	B	0.004	224	NO	NO
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	2	0	0.005	0.009	B	0.004	224	NO	NO
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	1	0	0.004	0.007	B	0.003	292	NO	NO
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	1	0	0.003	0.006	B	0.003	356	NO	NO
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	2	0	0.003	0.006	B	0.003	356	NO	NO
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	2	0	0.014	0.025	B	0.011	87	NO	NO
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	2	0	0.006	0.012	B	0.006	170	NO	NO
							Total			3	0.168	0.246		0.078	13	Number of crossings	
							Minimum				0.003	0.006		0.003	356	In the County =	11
							Maximum				0.107	0.131		0.024	41		
Stanley County																	
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	1	0	0.004	0.007	B	0.003	299	NO	NO
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	1	0	0.003	0.006	B	0.003	344	NO	NO
							Total			0	0.007	0.013		0.006	160	Number of crossings	
							Minimum				0.003	0.006		0.003	344	In the County =	2
							Maximum				0.004	0.007		0.003	299		
Jones County																	
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	2	0	0.006	0.011	B	0.005	186	NO	NO
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	PASSIVE	16	1	0	0.004	0.007	B	0.003	292	NO	NO
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	1	0	0.004	0.008	B	0.004	251	NO	NO
							Total			0	0.014	0.027		0.013	78	Number of crossings	
							Minimum				0.004	0.007		0.003	292	In the County =	3
							Maximum				0.006	0.011		0.005	186		
Haakon County																	
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	1	0	0.006	0.011	B	0.005	193	NO	NO
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	1	0	0.006	0.011	B	0.005	192	NO	NO
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	PASSIVE	228	1	0	0.007	0.017	B	0.011	92	NO	NO
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	FLASHING LIGHTS	280	2	0	0.008	0.017	B	0.009	111	NO	NO
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	1	0	0.004	0.012	B	0.008	132	NO	NO
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	2	0	0.014	0.029	B	0.015	68	NO	NO
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	2	0	0.004	0.009	B	0.005	184	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 20 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
							Total			0	0.048	0.106		0.058	17	Number of crossings	
							Minimum				0.004	0.009		0.005	193	in the County =	7
							Maximum				0.014	0.029		0.015	68		
Jackson County																	
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	12	1	0	0.002	0.007	B	0.004	227	NO	NO
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	FLASHING LIGHTS	1020	2	1	0.040	0.060	A	0.021	48	YES	YES
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	1	0	0.004	0.011	B	0.007	142	NO	NO
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD S	COTTONWOOD	PASSIVE	PASSIVE	26	2	0	0.003	0.008	B	0.005	188	NO	NO
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	1	0	0.004	0.010	B	0.006	161	NO	NO
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	1	0	0.002	0.006	B	0.004	245	NO	NO
							Total			1	0.055	0.103		0.048	21	Number of crossings	
							Minimum				0.002	0.006		0.004	245	in the County =	6
							Maximum				0.040	0.060		0.021	48		
Pennington County																	
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 51	QUINN	PASSIVE	PASSIVE	6	1	0	0.002	0.005	B	0.003	313	NO	NO
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	2	0	0.008	0.021	B	0.013	76	NO	NO
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	2	0	0.005	0.013	B	0.008	122	NO	NO
							Total			0	0.015	0.039		0.025	41	Number of crossings	
							Minimum				0.002	0.005		0.003	313	in the County =	3
							Maximum				0.008	0.021		0.013	76		

Pre-Construction Accident Prediction Summary
South Dakota 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 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	40	10	6	35	1	2	2	0.015	5	0	0.012	0.008
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	1400	10	6	35	1	1	2	0.105	5	0	0.059	0.042
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	250	10	6	35	1	2	2	0.030	5	0	0.022	0.016
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	300	10	6	35	1	1	2	0.059	5	0	0.038	0.027
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	642	10	6	35	1	1	2	0.078	5	0	0.048	0.034
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	35	10	6	35	1	2	2	0.015	5	0	0.011	0.008
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	39	10	6	35	1	2	2	0.015	5	0	0.012	0.008
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	36	10	6	35	1	2	2	0.015	5	0	0.011	0.008
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	33	10	6	35	1	2	2	0.014	5	0	0.011	0.008
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	93	10	6	35	1	2	2	0.021	5	0	0.016	0.011
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	47	10	6	35	1	2	2	0.016	5	0	0.012	0.009
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	27	10	6	35	1	2	2	0.013	5	0	0.010	0.007
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	43	10	6	35	1	2	2	0.016	5	0	0.012	0.009
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	42	10	6	35	1	2	2	0.016	5	0	0.012	0.008
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	31	10	6	35	1	2	2	0.014	5	0	0.011	0.008
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	5	10	6	35	1	2	2	0.007	5	0	0.006	0.004
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	139	10	6	35	1	1	2	0.044	5	0	0.030	0.022
Segment 7 Arlington to Brookings MP 290.9 to 306.3																		
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	30	8	5	35	1	2	2	0.012	5	0	0.009	0.007
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	17	8	5	35	1	2	1	0.010	5	0	0.008	0.005
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	170	8	5	35	1	1	2	0.042	5	1	0.092	0.066
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	25	8	5	35	1	2	2	0.012	5	0	0.009	0.006
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	30	8	5	35	1	2	2	0.012	5	0	0.009	0.007
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	15	8	5	20	2	2	2	0.008	5	0	0.007	0.005
197451Y	030800	SD	BROOKINGS	US HWY 81	ARLINGTON	FLASHING LIGHTS	1536	8	5	20	1	1	4	0.094	5	0	0.055	0.029
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	630	8	5	20	3	1	2	0.061	5	0	0.039	0.028
Segment 8 Huron to Arlington MP 306.3 to 342.8																		
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	300	6	4	20	3	2	2	0.022	5	0	0.016	0.012
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	430	6	4	20	3	1	2	0.046	5	0	0.031	0.022
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	43	6	4	35	2	2	2	0.012	5	0	0.009	0.007
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	74	6	4	35	1	2	2	0.015	5	0	0.011	0.008
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	20	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	245	6	4	35	1	1	2	0.042	5	1	0.091	0.065
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	118	6	4	35	1	2	2	0.017	5	0	0.013	0.009
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	5	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	408	6	4	35	1	1	2	0.050	5	0	0.033	0.024
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	89	6	4	35	3	2	2	0.016	5	1	0.061	0.044
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	2496	6	4	35	3	1	2	0.098	5	0	0.056	0.040
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	86	6	4	35	3	2	2	0.016	5	0	0.012	0.008
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	225	6	4	35	1	1	2	0.026	5	2	0.128	0.068
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	5	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	3	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	75	6	4	35	1	2	2	0.015	5	0	0.011	0.008
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005

Pre-Construction Accident Prediction Summary
South Dakota 50 MNT
Alternative C

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197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	27	6	4	35	1	2	2	0.010	5	0	0.008	0.006
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	115	6	4	35	1	2	2	0.017	5	1	0.063	0.045
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	390	6	4	35	3	1	2	0.049	5	1	0.099	0.071
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	3063	6	4	35	2	1	2	0.090	5	0	0.053	0.028
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	186	6	4	35	2	1	2	0.038	5	0	0.026	0.019
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	130	6	4	35	2	2	2	0.018	5	0	0.014	0.010
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	610	6	4	35	2	1	2	0.058	5	0	0.038	0.027
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	33	6	4	35	1	2	2	0.011	5	0	0.008	0.006
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	2	6	4	35	1	2	2	0.004	5	0	0.003	0.002
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	36	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	10	6	3.75	35	1	2	1	0.007	5	0	0.005	0.004
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	215	6	4	35	1	1	2	0.040	5	0	0.027	0.020
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	45	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	17	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	62	6	4	35	1	2	1	0.014	5	0	0.010	0.007
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	62	6	4	35	1	2	2	0.014	5	0	0.010	0.007
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	8	6	4	35	1	2	1	0.006	5	0	0.005	0.004
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	19	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	1285	6	3.75	25	1	1	2	0.052	5	0	0.035	0.018
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	613	6	4	20	2	1	2	0.052	5	0	0.034	0.025
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	230	6	4	20	2	2	2	0.020	5	0	0.015	0.011
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	157	6	4	20	1	1	2	0.022	5	0	0.016	0.009
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	42	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	95	6	4	35	1	2	2	0.016	5	0	0.012	0.009
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	19	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	188	6	4	35	1	1	2	0.038	5	0	0.026	0.019
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	37	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	44	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	40	6	4	35	1	2	2	0.012	5	0	0.009	0.006
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	45	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	45	6	4	20	1	1	2	0.013	5	0	0.010	0.005
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	545	6	4	30	1	1	2	0.054	5	1	0.104	0.074
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	11030	6	4	30	3	1	4	0.267	5	0	0.103	0.055
Segment 9 Wolsey to Huron MP 362.6 to 376.1																		
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	5290	6	4	30	5	1	2	0.201	5	0	0.089	0.047
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	2137	6	4	30	1	1	4	0.093	5	1	0.137	0.073
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	125	6	4	30	1	2	2	0.017	5	0	0.013	0.009
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	40	6	4	30	1	1	2	0.020	5	0	0.015	0.011
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	29	6	4	30	2	2	1	0.010	5	0	0.008	0.006
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	20	6	4	30	1	2	1	0.009	5	0	0.007	0.005
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	305	6	4	30	1	1	2	0.043	5	2	0.157	0.112
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	35	6	4	30	1	2	2	0.011	5	0	0.008	0.006
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	20	6	4	30	1	2	1	0.009	5	0	0.007	0.005

Pre-Construction Accident Prediction Summary
South Dakota 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 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	19	6	4	30	1	2	2	0.009	5	0	0.007	0.005
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	3	6	4	30	1	2	1	0.004	5	0	0.003	0.002
Segment 10 Midland to Wolsey MP 376.1 to 533.2																		
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	2671	4	3	30	3	1	2	0.084	5	1	0.130	0.069
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	200	4	3	30	2	2	1	0.016	5	0	0.012	0.009
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	27	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	24	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	15	4	3	30	1	2	2	0.006	5	0	0.005	0.004
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	12	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	20	4	3	30	1	2	2	0.007	5	0	0.005	0.004
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	25	4	3	30	1	2	2	0.008	5	0	0.006	0.004
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	952	4	3	30	2	1	2	0.053	5	1	0.103	0.074
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	464	4	3	30	2	1	2	0.041	5	0	0.028	0.020
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	14	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	9	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	120	4	3	30	1	1	2	0.025	5	0	0.018	0.013
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	4	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	115	4	3	30	1	1	2	0.024	5	0	0.018	0.013
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	164	4	3	30	2	2	2	0.015	5	0	0.012	0.008
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	166	4	3	30	2	2	2	0.015	5	1	0.061	0.030
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	400	4	3	30	2	1	2	0.039	5	0	0.027	0.019
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	2505	4	3	30	3	1	2	0.082	5	0	0.049	0.026
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	204	4	3	30	1	2	1	0.017	5	0	0.012	0.009
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	14	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	49	4	3	30	1	2	1	0.010	5	0	0.008	0.005
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	5	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	508	4	3	30	2	1	2	0.035	5	0	0.025	0.013
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	5	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	7	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	115	4	3	30	1	2	9	0.013	5	0	0.010	0.007
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	272	4	3	30	3	2	2	0.021	5	1	0.068	0.033
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	1543	4	3	30	4	1	2	0.040	5	0	0.028	0.014
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	8	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	6	4	3	30	1	2	2	0.005	5	0	0.004	0.003
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	36	4	3	30	1	2	2	0.009	5	0	0.007	0.005
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003

Pre-Construction Accident Prediction Summary
South Dakota 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 1993-1997 N	PREDICTED ACCIDENTS PER YR B	Estimated Annual Accident Frequency A
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	21	4	3	30	1	2	1	0.007	5	0	0.006	0.004
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	80	4	3	30	1	1	2	0.021	5	0	0.016	0.011
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	7	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	300	4	3	30	3	1	2	0.034	5	3	0.202	0.107
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	145	4	3	30	1	1	2	0.027	5	0	0.019	0.014
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	35	4	3	30	1	2	1	0.009	5	0	0.007	0.005
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	35	4	3	30	1	2	2	0.009	5	0	0.007	0.005
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	16	4	3	30	1	2	1	0.006	5	0	0.005	0.004
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	9	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	9	4	3	30	2	2	2	0.005	5	0	0.004	0.003
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	153	4	3	30	1	1	2	0.027	5	0	0.020	0.014
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	82	4	3	30	1	2	2	0.012	5	0	0.009	0.006
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	15	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

Post-Construction Accident Prediction Summary
South Dakota 50 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
Segment 6 Brookings to Tracy MP 226.6 to 290.0																			
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	21	13.13	49	2	2	2	0.026	5	0	0.019	0.013
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	21	13.13	49	1	1	2	0.174	5	0	0.082	0.059
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	21	13.13	49	1	2	2	0.051	5	0	0.034	0.024
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	21	13.13	49	1	1	2	0.099	5	0	0.057	0.041
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	21	13.13	49	1	1	2	0.131	5	0	0.069	0.049
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	21	13.13	49	1	2	2	0.025	5	0	0.018	0.013
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	21	13.13	49	1	2	2	0.026	5	0	0.019	0.013
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	21	13.13	49	1	2	2	0.025	5	0	0.018	0.013
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	21	13.13	49	1	2	2	0.024	5	0	0.018	0.013
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	21	13.13	49	1	2	2	0.035	5	0	0.025	0.018
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	21	13.13	49	1	2	2	0.026	5	0	0.019	0.013
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	21	13.13	49	1	2	2	0.027	5	0	0.020	0.014
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	21	13.13	49	1	2	2	0.022	5	0	0.016	0.012
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	21	13.13	49	1	2	2	0.026	5	0	0.019	0.014
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	21	13.13	49	1	2	2	0.026	5	0	0.019	0.014
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	21	13.13	49	1	2	2	0.023	5	0	0.017	0.012
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	21	13.13	49	1	2	2	0.012	5	0	0.009	0.007
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	21	13.13	49	1	1	2	0.074	5	0	0.046	0.033
Segment 7 Arlington to Brookings MP 290.9 to 306.3																			
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	21	13.13	49	1	2	2	0.023	5	0	0.017	0.012
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	PASSIVE	17	21	13.13	49	1	2	1	0.019	5	0	0.014	0.010
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	PASSIVE	170	21	13.13	49	1	1	2	0.080	5	1	0.127	0.091
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	21	13.13	49	1	2	2	0.022	5	0	0.016	0.011
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	21	13.13	49	1	2	2	0.023	5	0	0.017	0.012
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	21	13.13	49	1	2	2	0.020	5	0	0.015	0.011
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	21	13.13	49	2	2	2	0.018	5	0	0.013	0.010
197451Y	030800	SD	BROOKINGS	US HWY 81	ARLINGTON	FLASHING LIGHTS	FLASHING LIGHTS	1536	21	13.13	49	1	1	4	0.155	5	0	0.077	0.041
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	21	13.13	49	3	1	2	0.130	5	0	0.068	0.049
Segment 8 Huron to Arlington MP 306.3 to 362.8																			
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	21	13.13	49	3	2	2	0.054	5	0	0.036	0.026
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	21	13.13	49	3	1	2	0.113	5	0	0.062	0.044
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	21	13.13	49	2	2	2	0.026	5	0	0.019	0.014
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	21	13.13	49	1	2	2	0.032	5	0	0.023	0.016
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	21	13.13	49	1	2	2	0.020	5	0	0.015	0.011
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	21	13.13	49	1	1	2	0.092	5	1	0.136	0.098
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	118	21	13.13	49	1	2	2	0.038	5	0	0.027	0.019
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	21	13.13	49	1	2	2	0.015	5	0	0.012	0.008
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	21	13.13	49	2	2	2	0.012	5	0	0.009	0.007
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	21	13.13	49	1	1	2	0.111	5	0	0.061	0.044
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	21	13.13	49	3	2	2	0.035	5	1	0.084	0.060
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	21	13.13	49	3	1	2	0.216	5	0	0.093	0.066
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	21	13.13	49	3	2	2	0.034	5	0	0.024	0.017
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	21	13.13	49	1	1	2	0.049	5	2	0.165	0.087
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	21	13.13	49	1	2	2	0.012	5	0	0.009	0.007
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	21	13.13	49	1	2	2	0.010	5	0	0.008	0.005

Post-Construction Accident Prediction Summary
South Dakota 50 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
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	21	13.13	49	1	2	2	0.033	5	0	0.023	0.016
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	21	13.13	49	1	2	2	0.018	5	0	0.013	0.010
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	21	13.13	49	1	2	2	0.022	5	0	0.016	0.012
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	21	13.13	49	1	2	2	0.038	5	1	0.088	0.063
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	21	13.13	49	3	1	2	0.109	5	1	0.149	0.107
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	FLASHING LIGHTS	3063	21	13.13	49	2	1	2	0.173	5	0	0.082	0.043
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	21	13.13	49	2	1	2	0.083	5	0	0.050	0.036
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	21	13.13	49	2	2	2	0.040	5	0	0.028	0.020
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	21	13.13	49	2	1	2	0.128	5	0	0.068	0.049
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	21	13.13	49	2	2	2	0.024	5	0	0.018	0.013
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	21	13.13	49	2	2	2	0.009	5	0	0.007	0.005
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	21	13.13	49	2	2	2	0.025	5	0	0.018	0.013
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	21	13.13	49	2	2	1	0.015	5	0	0.012	0.008
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	21	13.13	49	2	2	2	0.025	5	0	0.018	0.013
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	21	13.13	49	2	2	2	0.015	5	0	0.012	0.008
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	21	13.13	49	2	1	2	0.087	5	0	0.052	0.037
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	21	13.13	49	2	2	2	0.027	5	0	0.019	0.014
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	21	13.13	49	1	2	2	0.019	5	0	0.014	0.010
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	21	13.13	49	1	2	1	0.030	5	0	0.022	0.015
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	21	13.13	49	1	2	2	0.030	5	0	0.022	0.015
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	21	13.13	49	1	2	1	0.014	5	0	0.011	0.008
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	21	13.13	49	1	2	2	0.018	5	0	0.013	0.010
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	21	13.13	49	1	2	2	0.020	5	0	0.015	0.010
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	1285	21	13.13	49	1	1	2	0.100	5	0	0.057	0.030
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	21	13.13	49	2	1	2	0.129	5	0	0.068	0.049
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	21	13.13	49	2	2	2	0.049	5	0	0.033	0.024
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	157	21	13.13	49	1	1	2	0.042	5	0	0.029	0.015
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	21	13.13	49	1	2	2	0.015	5	0	0.012	0.008
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	21	13.13	49	1	2	2	0.026	5	0	0.019	0.014
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	21	13.13	49	1	2	2	0.015	5	0	0.012	0.008
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	21	13.13	49	1	2	2	0.035	5	0	0.025	0.018
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	21	13.13	49	1	2	2	0.025	5	0	0.018	0.013
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	21	13.13	49	1	2	2	0.020	5	0	0.015	0.010
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	21	13.13	49	1	2	2	0.025	5	0	0.018	0.013
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	21	13.13	49	1	1	2	0.083	5	0	0.050	0.036
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	21	13.13	49	1	2	2	0.018	5	0	0.013	0.010
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	21	13.13	49	2	2	2	0.018	5	0	0.013	0.010
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	21	13.13	49	2	2	2	0.025	5	0	0.018	0.013
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	21	13.13	49	2	2	2	0.027	5	0	0.019	0.014
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	21	13.13	49	2	2	2	0.026	5	0	0.019	0.013
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	21	13.13	49	1	2	2	0.027	5	0	0.019	0.014
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	45	21	13.13	49	1	1	2	0.025	5	0	0.018	0.010
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	21	13.13	49	1	1	2	0.123	5	1	0.159	0.114
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	11030	21	13.13	49	3	1	4	0.512	5	0	0.134	0.071
Segment 9 Wolsey to Huron MP 362.8 to 376.1																			
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	5290	21	13.13	49	5	1	2	0.385	5	0	0.121	0.064
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	FLASHING LIGHTS	2137	21	13.13	49	1	1	4	0.178	5	1	0.190	0.100
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	21	13.13	49	1	2	2	0.039	5	0	0.027	0.019
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	21	13.13	49	2	1	2	0.047	5	0	0.032	0.023
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	21	13.13	49	3	2	1	0.023	5	0	0.017	0.012

Post-Construction Accident Prediction Summary
South Dakota 50 MNT
Alternative C

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189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	21	13.13	49	1	2	1	0.020	5	0	0.015	0.011
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	21	13.13	49	1	1	2	0.099	5	2	0.228	0.163
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	21	13.13	49	1	2	2	0.025	5	0	0.018	0.013
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	21	13.13	49	2	2	1	0.020	5	0	0.015	0.011
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	21	13.13	49	2	2	2	0.020	5	0	0.015	0.010
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	21	13.13	49	2	2	1	0.010	5	0	0.008	0.005
Segment 10 Midland to Wolsey MP 376.1 to 533.2																			
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	FLASHING LIGHTS	2671	21	13.13	40	2	1	2	0.164	5	1	0.182	0.097
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	21	13.13	49	2	2	1	0.047	5	0	0.032	0.023
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	21	13.13	49	1	2	1	0.022	5	0	0.016	0.012
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	21	13.13	49	1	2	1	0.021	5	0	0.016	0.011
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	21	13.13	49	1	2	2	0.018	5	0	0.013	0.010
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	21	13.13	49	1	2	1	0.020	5	0	0.015	0.011
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	21	13.13	49	2	2	1	0.017	5	0	0.012	0.009
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	21	13.13	49	2	2	2	0.020	5	0	0.015	0.011
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	21	13.13	49	1	2	2	0.022	5	0	0.016	0.011
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	21	13.13	49	2	1	2	0.151	5	1	0.176	0.126
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	21	13.13	49	2	1	2	0.116	5	0	0.063	0.045
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	21	13.13	49	1	2	1	0.017	5	0	0.013	0.009
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	21	13.13	49	1	2	1	0.015	5	0	0.011	0.008
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	21	13.13	49	1	2	1	0.015	5	0	0.012	0.008
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	21	13.13	49	1	2	1	0.009	5	0	0.007	0.005
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	21	13.13	49	1	1	2	0.070	5	0	0.044	0.031
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	21	13.13	49	1	2	1	0.007	5	0	0.005	0.004
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	21	13.13	49	1	2	1	0.022	5	0	0.016	0.011
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	21	13.13	49	1	2	1	0.007	5	0	0.005	0.004
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	21	13.13	49	1	2	1	0.011	5	0	0.008	0.006
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	21	13.13	49	1	1	2	0.069	5	0	0.043	0.031
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	21	13.13	49	2	2	2	0.043	5	0	0.030	0.021
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	21	13.13	49	2	2	2	0.033	5	1	0.083	0.041
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	21	13.13	49	1	2	1	0.022	5	0	0.016	0.011
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	21	13.13	49	2	1	2	0.110	5	0	0.061	0.044
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	21	13.13	49	3	1	2	0.193	5	0	0.087	0.046
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	21	13.13	49	1	2	1	0.047	5	0	0.032	0.023
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	21	13.13	49	2	2	1	0.017	5	0	0.013	0.009
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	21	13.13	49	2	2	1	0.009	5	0	0.007	0.005
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	21	13.13	49	2	2	1	0.009	5	0	0.007	0.005
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	21	13.13	49	2	2	1	0.009	5	0	0.007	0.005
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	21	13.13	49	1	2	1	0.028	5	0	0.020	0.014
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	21	13.13	49	1	2	1	0.010	5	0	0.008	0.005
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	21	13.13	49	1	2	1	0.012	5	0	0.009	0.007
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	21	13.13	49	1	2	1	0.009	5	0	0.007	0.005
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	21	13.13	49	2	1	2	0.083	5	0	0.050	0.026
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	21	13.13	49	1	2	1	0.012	5	0	0.009	0.007
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	21	13.13	49	1	2	1	0.009	5	0	0.007	0.005
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	21	13.13	49	1	2	1	0.014	5	0	0.010	0.007
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	21	13.13	49	1	2	1	0.020	5	0	0.015	0.011
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	PASSIVE	115	21	13.13	49	1	2	9	0.038	5	0	0.026	0.019
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	21	13.13	49	1	2	1	0.007	5	0	0.005	0.004
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	21	13.13	49	1	2	1	0.015	5	0	0.012	0.008

Post-Construction Accident Prediction Summary
South Dakota 50 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
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	21	13.13	49	3	2	2	0.045	5	1	0.095	0.047
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	21	13.13	49	4	1	2	0.087	5	0	0.052	0.025
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	21	13.13	49	2	2	1	0.014	5	0	0.011	0.008
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	21	13.13	49	2	2	2	0.013	5	0	0.010	0.007
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	PASSIVE	36	21	13.13	49	2	2	2	0.025	5	0	0.018	0.013
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	21	13.13	49	1	2	1	0.015	5	0	0.012	0.008
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	21	13.13	49	1	2	1	0.020	5	0	0.015	0.011
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	21	13.13	49	1	1	2	0.060	5	0	0.039	0.028
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	21	13.13	49	1	2	1	0.010	5	0	0.008	0.005
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	21	13.13	49	1	2	1	0.010	5	0	0.008	0.005
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	21	13.13	49	1	2	1	0.014	5	0	0.010	0.007
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	21	13.13	49	1	2	1	0.020	5	0	0.015	0.011
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	21	13.13	49	1	2	1	0.020	5	0	0.015	0.011
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	FLASHING LIGHTS	300	21	13.13	49	3	1	2	0.081	5	3	0.286	0.151
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	21	13.13	49	2	1	2	0.075	5	0	0.046	0.033
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	21	13.13	49	2	2	1	0.025	5	0	0.018	0.013
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	21	13.13	49	1	2	2	0.025	5	0	0.018	0.013
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	21	13.13	49	1	2	1	0.018	5	0	0.014	0.010
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	21	13.13	49	2	2	1	0.015	5	0	0.011	0.008
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	21	13.13	49	3	2	2	0.015	5	0	0.011	0.008
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	21	13.13	49	2	1	2	0.077	5	0	0.047	0.034
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	21	13.13	49	1	2	2	0.034	5	0	0.024	0.017
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	21	13.13	49	2	2	1	0.018	5	0	0.013	0.010
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	21	13.13	49	1	2	1	0.015	5	0	0.012	0.008
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	21	13.13	49	3	2	2	0.030	5	0	0.022	0.015
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	PASSIVE	16	21	13.13	49	1	2	1	0.018	5	0	0.014	0.010
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	21	13.13	49	1	2	1	0.022	5	0	0.016	0.011
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	21	13.13	49	1	2	1	0.029	5	0	0.021	0.015
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	21	13.13	49	2	2	1	0.029	5	0	0.021	0.015
Segment 11 Wasta to Midland MP 533.2 to 605																			
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	PASSIVE	228	21	13.13	49	2	2	1	0.049	5	0	0.033	0.023
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	FLASHING LIGHTS	280	21	13.13	49	2	1	2	0.065	5	0	0.041	0.022
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	21	13.13	49	2	2	1	0.033	5	0	0.023	0.016
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	21	13.13	49	4	1	2	0.131	5	0	0.069	0.036
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	21	13.13	30	1	2	2	0.024	5	0	0.018	0.013
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	15	21	13.13	49	1	2	1	0.018	5	0	0.013	0.010
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	FLASHING LIGHTS	1020	21	13.13	49	1	1	2	0.091	5	1	0.136	0.072
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	21	13.13	49	1	2	1	0.030	5	0	0.021	0.015
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD S	COTTONWOOD	PASSIVE	PASSIVE	26	21	13.13	49	1	2	2	0.022	5	0	0.016	0.012
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	21	13.13	49	1	2	1	0.026	5	0	0.019	0.013
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	21	13.13	49	1	2	1	0.017	5	0	0.012	0.009
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 5	QUINN	PASSIVE	PASSIVE	6	21	13.13	49	2	2	1	0.013	5	0	0.010	0.007
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	21	13.13	49	2	1	2	0.062	5	0	0.040	0.029
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	21	13.13	49	1	1	2	0.036	5	0	0.025	0.018

Pre/Post-Construction Accident Prediction Comparison
South Dakota 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
Brookings County																	
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	2	0	0.008	0.013	B	0.005	198	NO	NO
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	2	0	0.042	0.059	A	0.017	60	YES	YES
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	2	0	0.016	0.024	B	0.009	116	NO	NO
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	2	0	0.027	0.041	B	0.013	76	NO	NO
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	2	0	0.034	0.049	B	0.015	67	NO	NO
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	2	0	0.008	0.013	B	0.005	207	NO	NO
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	2	0	0.008	0.013	B	0.005	200	NO	NO
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	2	0	0.008	0.013	B	0.005	205	NO	NO
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	2	0	0.008	0.013	B	0.005	211	NO	NO
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	2	0	0.011	0.018	B	0.007	153	NO	NO
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	2	0	0.008	0.013	B	0.005	197	NO	NO
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	2	0	0.009	0.014	B	0.005	188	NO	NO
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	2	0	0.007	0.012	B	0.004	225	NO	NO
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	2	0	0.009	0.014	B	0.005	194	NO	NO
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	2	0	0.008	0.014	B	0.005	195	NO	NO
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	2	0	0.008	0.012	B	0.005	215	NO	NO
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	2	0	0.004	0.007	B	0.003	394	NO	NO
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	2	0	0.022	0.033	B	0.011	90	NO	NO
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	2	0	0.007	0.012	B	0.005	184	NO	NO
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	PASSIVE	17	1	0	0.005	0.010	B	0.005	222	NO	NO
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	PASSIVE	170	2	1	0.066	0.091	A	0.025	40	YES	YES
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	2	0	0.006	0.011	B	0.005	196	NO	NO
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	2	0	0.007	0.012	B	0.005	184	NO	NO
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	2	0	0.006	0.011	B	0.005	210	NO	NO
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	2	0	0.005	0.010	B	0.005	205	NO	NO
							Total			1	0.348	0.530		0.183	5	Number of crossings	
							Minimum				0.004	0.007		0.003	394	in the County =	25
							Maximum				0.066	0.091		0.025	40		
Kingsbury County																	
197451Y	030800	SD	KINGSBURY	US HWY 81	ARLINGTON	FLASHING LIGHTS	FLASHING LIGHTS	1536	4	0	0.029	0.041	B	0.012	86	NO	NO
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	2	0	0.028	0.049	B	0.021	48	NO	NO
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	2	0	0.012	0.026	B	0.014	72	NO	NO
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	2	0	0.022	0.044	B	0.022	45	NO	NO
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	2	0	0.007	0.014	B	0.007	140	NO	NO
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	2	0	0.008	0.016	B	0.008	118	NO	NO
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	2	0	0.005	0.011	B	0.006	180	NO	NO
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	2	1	0.065	0.098	A	0.032	31	YES	YES
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	151	2	0	0.009	0.019	B	0.010	103	NO	NO
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	2	0	0.004	0.008	B	0.004	227	NO	NO
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	2	0	0.003	0.007	B	0.003	287	NO	NO
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	2	0	0.024	0.044	B	0.020	50	NO	NO
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	2	1	0.044	0.060	A	0.016	62	YES	YES
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	2	0	0.040	0.066	A	0.026	39	YES	YES
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	2	0	0.008	0.017	B	0.009	113	NO	NO
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	2	2	0.068	0.087	A	0.020	51	YES	YES
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	2	0	0.003	0.007	B	0.003	287	NO	NO
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	2	0	0.003	0.005	B	0.003	343	NO	NO
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	2	0	0.008	0.016	B	0.008	118	NO	NO
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	2	0	0.005	0.010	B	0.005	198	NO	NO
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	2	0	0.006	0.012	B	0.006	163	NO	NO
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	2	1	0.045	0.063	A	0.017	58	YES	YES

Pre/Post-Construction Accident Prediction Comparison
South Dakota 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	2	1	0.071	0.107	A	0.036	28	YES	YES
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	FLASHING LIGHTS	3063	2	0	0.028	0.043	B	0.015	66	NO	NO
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	2	0	0.019	0.036	B	0.017	59	NO	NO
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	2	0	0.010	0.020	B	0.010	100	NO	NO
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	2	0	0.027	0.049	B	0.021	47	NO	NO
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	2	0	0.006	0.013	B	0.007	153	NO	NO
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	2	0	0.002	0.005	B	0.003	396	NO	NO
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	2	0	0.006	0.013	B	0.007	148	NO	NO
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	1	0	0.004	0.008	B	0.004	227	NO	NO
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	2	0	0.006	0.013	B	0.007	150	NO	NO
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	2	0	0.004	0.008	B	0.004	227	NO	NO
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	2	0	0.020	0.037	B	0.017	57	NO	NO
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	2	0	0.007	0.014	B	0.007	138	NO	NO
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	2	0	0.005	0.010	B	0.005	190	NO	NO
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	1	0	0.007	0.015	B	0.008	125	NO	NO
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	2	0	0.007	0.015	B	0.008	125	NO	NO
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	1	0	0.004	0.008	B	0.004	245	NO	NO
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	2	0	0.005	0.010	B	0.005	198	NO	NO
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	2	0	0.018	0.030	B	0.012	83	NO	NO
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS			0	0.018	0.030	B	0.012	83	NO	NO
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	2	0	0.025	0.049	B	0.024	42	NO	NO
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	2	0	0.011	0.024	B	0.013	77	NO	NO
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS	157	2	0	0.009	0.015	B	0.007	149	NO	NO
							Total			6	0.763	1.290		0.527	2	Number of crossings	
							Minimum				0.002	0.005		0.0025	396	in the County =	45
							Maximum				0.071	0.107		0.036	28		
Beadle County																	
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	2	0	0.004	0.008	B	0.004	227	NO	NO
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	2	0	0.007	0.014	B	0.007	141	NO	NO
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	2	0	0.004	0.008	B	0.004	227	NO	NO
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	2	0	0.009	0.018	B	0.009	110	NO	NO
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	2	0	0.006	0.013	B	0.007	150	NO	NO
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	2	0	0.005	0.010	B	0.005	183	NO	NO
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	2	0	0.006	0.013	B	0.007	150	NO	NO
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	2	0	0.019	0.036	B	0.017	59	NO	NO
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	2	0	0.005	0.010	B	0.005	198	NO	NO
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	2	0	0.005	0.010	B	0.005	198	NO	NO
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	2	0	0.006	0.013	B	0.007	147	NO	NO
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	2	0	0.007	0.014	B	0.007	139	NO	NO
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	2	0	0.006	0.013	B	0.007	144	NO	NO
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	2	0	0.007	0.014	B	0.007	138	NO	NO
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	45	2	0	0.005	0.010	B	0.004	226	NO	NO
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	2	1	0.074	0.114	A	0.039	25	YES	YES
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	11030	4	0	0.055	0.071	A	0.016	61	YES	YES
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	FLASHING LIGHTS	5290	2	0	0.047	0.064	A	0.017	59	YES	YES
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	FLASHING LIGHTS	2137	4	1	0.073	0.100	A	0.028	36	YES	YES
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	2	0	0.009	0.019	B	0.010	98	NO	NO
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	2	0	0.011	0.023	B	0.012	85	NO	NO
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	1	0	0.006	0.012	B	0.006	154	NO	NO
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	1	0	0.005	0.011	B	0.006	174	NO	NO
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	2	2	0.112	0.163	A	0.051	20	YES	YES
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	2	0	0.006	0.013	B	0.007	145	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	1	0	0.005	0.011	B	0.006	174	NO	NO
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	2	0	0.005	0.010	B	0.006	177	NO	NO
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	1	0	0.002	0.005	B	0.003	333	NO	NO
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	FLASHING LIGHTS	2671	2	1	0.069	0.097	A	0.028	36	YES	YES
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	1	0	0.009	0.023	B	0.014	73	NO	NO
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	1	0	0.004	0.012	B	0.007	136	NO	NO
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	1	0	0.004	0.011	B	0.007	141	NO	NO
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	2	0	0.004	0.010	B	0.006	165	NO	NO
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	1	0	0.004	0.011	B	0.007	150	NO	NO
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	1	0	0.003	0.009	B	0.006	178	NO	NO
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	2	0	0.004	0.011	B	0.007	150	NO	NO
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	2	0	0.004	0.011	B	0.007	139	NO	NO
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	2	1	0.074	0.126	A	0.052	19	YES	YES
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	2	0	0.020	0.045	B	0.025	40	NO	NO
							Total			6	0.708	1.183		0.475	2	Number of crossings	
							Minimum				0.002	0.005		0.003	333	in the County =	39
							Maximum				0.112	0.163		0.052	19		
Hand County																	
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	1	0	0.003	0.009	B	0.006	169	NO	NO
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	1	0	0.003	0.008	B	0.005	196	NO	NO
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	1	0	0.003	0.008	B	0.005	190	NO	NO
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	1	0	0.002	0.005	B	0.003	332	NO	NO
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	2	0	0.013	0.031	B	0.019	54	NO	NO
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	1	0	0.001	0.004	B	0.002	426	NO	NO
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	1	0	0.004	0.011	B	0.007	139	NO	NO
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	1	0	0.001	0.004	B	0.002	426	NO	NO
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	1	0	0.002	0.006	B	0.004	260	NO	NO
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	2	0	0.013	0.031	B	0.018	55	NO	NO
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	2	0	0.008	0.021	B	0.013	77	NO	NO
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	2	1	0.030	0.041	B	0.011	94	NO	NO
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	1	0	0.004	0.011	B	0.007	139	NO	NO
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	2	0	0.019	0.044	B	0.025	41	NO	NO
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	2	0	0.026	0.046	B	0.020	50	NO	NO
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	1	0	0.009	0.023	B	0.014	73	NO	NO
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	1	0	0.003	0.009	B	0.006	169	NO	NO
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.005	B	0.003	332	NO	NO
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.005	B	0.003	332	NO	NO
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	1	0	0.002	0.005	B	0.003	332	NO	NO
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	1	0	0.005	0.014	B	0.009	112	NO	NO
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	1	0	0.002	0.005	B	0.003	288	NO	NO
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	1	0	0.002	0.007	B	0.004	241	NO	NO
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	1	0	0.002	0.005	B	0.003	332	NO	NO
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	2	0	0.013	0.026	B	0.013	75	NO	NO
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	1	0	0.002	0.007	B	0.004	241	NO	NO
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	1	0	0.002	0.005	B	0.003	332	NO	NO
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	1	0	0.003	0.007	B	0.005	214	NO	NO
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	1	0	0.004	0.011	B	0.007	150	NO	NO
							Total			1	0.186	0.414		0.227	4	Number of crossings	
							Minimum				0.001	0.004		0.0023	426	in the County =	29
							Maximum				0.030	0.046		0.025	41		
Hyde County																	
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	PASSIVE	115	9	0	0.007	0.019	B	0.012	86	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	1	0	0.001	0.004	B	0.002	426	NO	NO
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	1	0	0.003	0.008	B	0.005	190	NO	NO
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	2	1	0.033	0.047	B	0.013	74	NO	NO
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	2	0	0.014	0.025	B	0.012	85	NO	NO
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	1	0	0.003	0.008	B	0.005	205	NO	NO
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	2	0	0.003	0.007	B	0.004	226	NO	NO
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	PASSIVE	36	2	0	0.005	0.013	B	0.008	124	NO	NO
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	1	0	0.003	0.008	B	0.005	190	NO	NO
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	1	0	0.004	0.011	B	0.007	148	NO	NO
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	2	0	0.011	0.028	B	0.017	60	NO	NO
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	1	0	0.002	0.005	B	0.003	288	NO	NO
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	1	0	0.002	0.005	B	0.003	288	NO	NO
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	1	0	0.003	0.007	B	0.005	214	NO	NO
							Total			1	0.094	0.196		0.102	10	Number of crossings	
							Minimum				0.001	0.004		0.002	426	In the County =	14
							Maximum				0.033	0.047		0.017	60		
Hughes County																	
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	1	0	0.004	0.011	B	0.007	150	NO	NO
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	1	0	0.004	0.011	B	0.007	150	NO	NO
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	FLASHING LIGHTS	300	2	3	0.107	0.151	A	0.045	22	YES	YES
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	2	0	0.014	0.033	B	0.019	51	NO	NO
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	1	0	0.005	0.013	B	0.008	125	NO	NO
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	2	0	0.005	0.013	B	0.008	125	NO	NO
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	1	0	0.004	0.010	B	0.006	162	NO	NO
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	1	0	0.003	0.008	B	0.005	196	NO	NO
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	2	0	0.003	0.008	B	0.005	196	NO	NO
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	2	0	0.014	0.034	B	0.020	51	NO	NO
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	2	0	0.006	0.017	B	0.010	95	NO	NO
							Total			3	0.168	0.308		0.140	7	Number of crossings	
							Minimum				0.003	0.008		0.005	196	In the County =	11
							Maximum				0.107	0.151		0.045	22		
Stanley County																	
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	1	0	0.004	0.010	B	0.006	165	NO	NO
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	1	0	0.003	0.008	B	0.005	190	NO	NO
							Total			0	0.007	0.018		0.011	88	Number of crossings	
							Minimum				0.003	0.008		0.005	190	In the County =	2
							Maximum				0.004	0.010		0.006	165		
Jones County																	
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	2	0	0.006	0.015	B	0.010	104	NO	NO
189908V	052020	SD	JONES	VAN METRE RD W	MIDLAND	PASSIVE	PASSIVE	16	1	0	0.004	0.010	B	0.006	162	NO	NO
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	1	0	0.004	0.011	B	0.007	139	NO	NO
							Total			0	0.014	0.037		0.023	44	Number of crossings	
							Minimum				0.004	0.010		0.006	162	In the County =	3
							Maximum				0.006	0.015		0.010	104		
Haakon County																	
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	1	0	0.006	0.015	B	0.009	108	NO	NO
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	1	0	0.006	0.015	B	0.009	107	NO	NO
189931P	53340	SD	HAAKON	BRIDGE ST	MIDLAND	PASSIVE	PASSIVE	228	1	0	0.007	0.023	B	0.017	59	NO	NO
189932W	53360	SD	HAAKON	HWY 63	MIDLAND	FLASHING LIGHTS	FLASHING LIGHTS	280	2	0	0.008	0.022	B	0.014	70	NO	NO
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	1	0	0.004	0.016	B	0.012	83	NO	NO
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	2	0	0.014	0.036	B	0.022	45	NO	NO
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	2	0	0.004	0.013	B	0.009	112	NO	NO

Pre/Post-Construction Accident Prediction Comparison
South Dakota 50 MNT
Alternative C

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
							Total			0	0.048	0.141		0.093	11	Number of crossings	
							Minimum				0.004	0.013		0.009	112	in the County =	7
							Maximum				0.014	0.036		0.022	45		
Jackson County																	
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	12	1	0	0.002	0.010	B	0.007	141	NO	NO
190026Y	57180	SD	JACKSON	HWY 14	COTTONWOOD	FLASHING LIGHTS	FLASHING LIGHTS	1020	2	1	0.040	0.072	A	0.032	31	YES	YES
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	1	0	0.004	0.015	B	0.011	89	NO	NO
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD S	COTTONWOOD	PASSIVE	PASSIVE	26	2	0	0.003	0.012	B	0.009	117	NO	NO
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	1	0	0.004	0.013	B	0.010	101	NO	NO
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	1	0	0.002	0.009	B	0.007	152	NO	NO
							Total			1	0.055	0.131		0.076	13	Number of crossings	
							Minimum				0.002	0.009		0.007	152	in the County =	6
							Maximum				0.040	0.072		0.032	31		
Pennington County																	
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 51	QUINN	PASSIVE	PASSIVE	6	1	0	0.002	0.007	B	0.005	193	NO	NO
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	2	0	0.008	0.029	B	0.020	49	NO	NO
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	2	0	0.005	0.018	B	0.013	77	NO	NO
							Total			0	0.015	0.053		0.039	26	Number of crossings	
							Minimum				0.002	0.007		0.005	193	in the County =	3
							Maximum				0.008	0.029		0.020	49		

Pre-Construction Accident Prediction Summary
South Dakota 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
Segment 6 Brookings to Tracy MP 226.5 to 290.0																		
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	40	10	6	35	1	2	2	0.015	5	0	0.012	0.008
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	1400	10	6	35	1	1	2	0.105	5	0	0.059	0.042
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	250	10	6	35	1	2	2	0.030	5	0	0.022	0.016
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	300	10	6	35	1	1	2	0.059	5	0	0.038	0.027
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	642	10	6	35	1	1	2	0.078	5	0	0.048	0.034
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	35	10	6	35	1	2	2	0.015	5	0	0.011	0.008
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	39	10	6	35	1	2	2	0.015	5	0	0.012	0.008
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	36	10	6	35	1	2	2	0.015	5	0	0.011	0.008
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	33	10	6	35	1	2	2	0.014	5	0	0.011	0.008
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	93	10	6	35	1	2	2	0.021	5	0	0.016	0.011
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	41	10	6	35	1	2	2	0.016	5	0	0.012	0.008
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	47	10	6	35	1	2	2	0.016	5	0	0.012	0.009
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	27	10	6	35	1	2	2	0.013	5	0	0.010	0.007
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	43	10	6	35	1	2	2	0.016	5	0	0.012	0.009
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	42	10	6	35	1	2	2	0.016	5	0	0.012	0.008
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	31	10	6	35	1	2	2	0.014	5	0	0.011	0.008
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	5	10	6	35	1	2	2	0.007	5	0	0.006	0.004
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	139	10	6	35	1	1	2	0.044	5	0	0.030	0.022
Segment 7 Arlington to Brookings MP 290.9 to 306.3																		
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	30	8	5	35	1	2	2	0.012	5	0	0.009	0.007
197447J	030170	SD	BROOKINGS	460TH AVE	VOLGA	PASSIVE	17	8	5	35	1	2	1	0.010	5	0	0.008	0.005
197448R	030280	SD	BROOKINGS	459TH AVE	VOLGA	PASSIVE	170	8	5	35	1	1	2	0.042	5	1	0.092	0.066
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	25	8	5	35	1	2	2	0.012	5	0	0.009	0.006
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	30	8	5	35	1	2	2	0.012	5	0	0.009	0.007
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	20	8	5	35	1	2	2	0.011	5	0	0.008	0.006
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	15	8	5	20	2	2	2	0.008	5	0	0.007	0.005
197451Y	030800	SD	BROOKINGS	US HWY 81	ARLINGTON	FLASHING LIGHTS	1536	8	5	20	1	1	4	0.094	5	0	0.055	0.029
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	630	8	5	20	3	1	2	0.061	5	0	0.039	0.028
Segment 8 Huron to Arlington MP 306.3 to 342.6																		
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	300	6	4	20	3	2	2	0.022	5	0	0.016	0.012
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	430	6	4	20	3	1	2	0.046	5	0	0.031	0.022
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	43	6	4	35	2	2	2	0.012	5	0	0.009	0.007
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	74	6	4	35	1	2	2	0.015	5	0	0.011	0.008
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	20	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	245	6	4	35	1	1	2	0.042	5	1	0.091	0.065
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	118	6	4	35	1	2	2	0.017	5	0	0.013	0.009
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	5	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	408	6	4	35	1	1	2	0.050	5	0	0.033	0.024
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	89	6	4	35	3	2	2	0.016	5	1	0.061	0.044
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	2496	6	4	35	3	1	2	0.098	5	0	0.056	0.040
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	86	6	4	35	3	2	2	0.016	5	0	0.012	0.008
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	225	6	4	35	1	1	2	0.026	5	2	0.128	0.068
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	5	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	3	6	4	35	1	2	2	0.005	5	0	0.004	0.003
197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	75	6	4	35	1	2	2	0.015	5	0	0.011	0.008
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005

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

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197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	27	6	4	35	1	2	2	0.010	5	0	0.008	0.006
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	115	6	4	35	1	2	2	0.017	5	1	0.063	0.045
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	390	6	4	35	3	1	2	0.049	5	1	0.099	0.071
197457P	032980	SD	KINGSBURY	HWY 25	DE SMET	FLASHING LIGHTS	3063	6	4	35	2	1	2	0.090	5	0	0.053	0.028
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	186	6	4	35	2	1	2	0.038	5	0	0.026	0.019
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	130	6	4	35	2	2	2	0.018	5	0	0.014	0.010
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	610	6	4	35	2	1	2	0.058	5	0	0.038	0.027
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	33	6	4	35	1	2	2	0.011	5	0	0.008	0.006
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	2	6	4	35	1	2	2	0.004	5	0	0.003	0.002
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	36	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	10	6	3.75	35	1	2	1	0.007	5	0	0.005	0.004
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	215	6	4	35	1	1	2	0.040	5	0	0.027	0.020
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	45	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	17	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	62	6	4	35	1	2	1	0.014	5	0	0.010	0.007
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	62	6	4	35	1	2	2	0.014	5	0	0.010	0.007
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	8	6	4	35	1	2	1	0.006	5	0	0.005	0.004
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	19	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	1285	6	3.75	25	1	1	2	0.052	5	0	0.035	0.018
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	613	6	4	20	2	1	2	0.052	5	0	0.034	0.025
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	230	6	4	20	2	2	2	0.020	5	0	0.015	0.011
197471K	034490	SD	KINGSBURY	418TH AVE/SIOUX ST	IROQUOIS	FLASHING LIGHTS	157	6	4	20	1	1	2	0.022	5	0	0.016	0.009
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	42	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	10	6	4	35	1	2	2	0.007	5	0	0.005	0.004
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	95	6	4	35	1	2	2	0.016	5	0	0.012	0.009
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	19	6	4	35	1	2	2	0.009	5	0	0.007	0.005
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	35	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	188	6	4	35	1	1	2	0.038	5	0	0.026	0.019
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	15	6	4	35	1	2	2	0.008	5	0	0.006	0.005
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	37	6	4	35	1	2	2	0.011	5	0	0.009	0.006
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	44	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	40	6	4	35	1	2	2	0.012	5	0	0.009	0.006
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	45	6	4	35	1	2	2	0.012	5	0	0.009	0.007
197890H	036080	SD	BEADLE	CUSTER AVE	HURON	FLASHING LIGHTS	45	6	4	20	1	1	2	0.013	5	0	0.010	0.005
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	545	6	4	30	1	1	2	0.054	5	1	0.104	0.074
189698H	36280	SD	BEADLE	DAKOTA AVE	HURON	FLASHING LIGHTS	11030	6	4	30	3	1	4	0.267	5	0	0.103	0.055
Segment 9 Wolsey to Huron MP 362.6 to 376.1																		
189701N	36380	SD	BEADLE	LINCOLN AVE	HURON	FLASHING LIGHTS	5290	6	4	30	5	1	2	0.201	5	0	0.089	0.047
189702V	036470	SD	BEADLE	US HWY 14	HURON	FLASHING LIGHTS	2137	6	4	30	1	1	4	0.093	5	1	0.137	0.073
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	125	6	4	30	1	2	2	0.017	5	0	0.013	0.009
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	40	6	4	30	1	1	2	0.020	5	0	0.015	0.011
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	29	6	4	30	2	2	1	0.010	5	0	0.008	0.006
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	20	6	4	30	1	2	1	0.009	5	0	0.007	0.005
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	305	6	4	30	1	1	2	0.043	5	2	0.157	0.112
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	35	6	4	30	1	2	2	0.011	5	0	0.008	0.006
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	20	6	4	30	1	2	1	0.009	5	0	0.007	0.005

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

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189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	19	6	4	30	1	2	2	0.009	5	0	0.007	0.005
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	3	6	4	30	1	2	1	0.004	5	0	0.003	0.002
Segment 10 Midland to Wolsey MP 376.1 to 533.2																		
189716D	37620	SD	BEADLE	COMMERCIAL AVE	WOLSEY	FLASHING LIGHTS	2671	4	3	30	3	1	2	0.084	5	1	0.130	0.069
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	200	4	3	30	2	2	1	0.016	5	0	0.012	0.009
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	27	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	24	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	15	4	3	30	1	2	2	0.006	5	0	0.005	0.004
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	12	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	20	4	3	30	1	2	2	0.007	5	0	0.005	0.004
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	25	4	3	30	1	2	2	0.008	5	0	0.006	0.004
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	952	4	3	30	2	1	2	0.053	5	1	0.103	0.074
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	464	4	3	30	2	1	2	0.041	5	0	0.028	0.020
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	14	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	9	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	120	4	3	30	1	1	2	0.025	5	0	0.018	0.013
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	4	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	115	4	3	30	1	1	2	0.024	5	0	0.018	0.013
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	164	4	3	30	2	2	2	0.015	5	0	0.012	0.008
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	166	4	3	30	2	2	2	0.015	5	1	0.061	0.030
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	25	4	3	30	1	2	1	0.008	5	0	0.006	0.004
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	400	4	3	30	2	1	2	0.039	5	0	0.027	0.019
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	2505	4	3	30	3	1	2	0.082	5	0	0.049	0.026
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	204	4	3	30	1	2	1	0.017	5	0	0.012	0.009
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	14	4	3	30	1	2	1	0.006	5	0	0.005	0.003
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	49	4	3	30	1	2	1	0.010	5	0	0.008	0.005
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	5	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	508	4	3	30	2	1	2	0.035	5	0	0.025	0.013
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	5	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	2	4	3	30	1	2	1	0.003	5	0	0.002	0.002
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	7	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189775F	42120	SD	HYDE	341ST AVE/CO RD 959	HIGHMORE	PASSIVE	115	4	3	30	1	2	9	0.013	5	0	0.010	0.007
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	1	4	3	30	1	2	1	0.002	5	0	0.002	0.001
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	272	4	3	30	3	2	2	0.021	5	1	0.068	0.033
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	1543	4	3	30	4	1	2	0.040	5	0	0.028	0.014
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	8	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	6	4	3	30	1	2	2	0.005	5	0	0.004	0.003
189787A	42920	SD	HYDE	333RD AVE/CO RD 961	HIGHMORE	PASSIVE	36	4	3	30	1	2	2	0.009	5	0	0.007	0.005
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	10	4	3	30	1	2	1	0.005	5	0	0.004	0.003

Pre-Construction Accident Prediction Summary
South Dakota 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
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	21	4	3	30	1	2	1	0.007	5	0	0.006	0.004
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	80	4	3	30	1	1	2	0.021	5	0	0.016	0.011
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	3	4	3	30	1	2	1	0.004	5	0	0.003	0.002
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	7	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	20	4	3	30	1	2	1	0.007	5	0	0.005	0.004
189801T	43990	SD	HUGHES	WYMAN AVE	HARROLD	FLASHING LIGHTS	300	4	3	30	3	1	2	0.034	5	3	0.202	0.107
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	145	4	3	30	1	1	2	0.027	5	0	0.019	0.014
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	35	4	3	30	1	2	1	0.009	5	0	0.007	0.005
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	35	4	3	30	1	2	2	0.009	5	0	0.007	0.005
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	16	4	3	30	1	2	1	0.006	5	0	0.005	0.004
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	9	4	3	30	1	2	1	0.005	5	0	0.004	0.003
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	9	4	3	30	2	2	2	0.005	5	0	0.004	0.003
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	153	4	3	30	1	1	2	0.027	5	0	0.020	0.014
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	82	4	3	30	1	2	2	0.012	5	0	0.009	0.006
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 505																		
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	15	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

Post-Construction Accident Prediction Summary
South Dakota 100 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
Segment 6 Brookings to Tracy MP 226.6 to 290.0																			
193785T	027360	SD	BROOKINGS	487TH AVE	ELKTON	PASSIVE	PASSIVE	40	37	23.13	49	2	2	2	0.035	5	0	0.025	0.018
193786A	027440	SD	BROOKINGS	ELK ST	ELKTON	PASSIVE	PASSIVE	1400	37	23.13	49	1	1	2	0.238	5	0	0.097	0.070
193787G	027460	SD	BROOKINGS	N BUFFALO ST	ELKTON	PASSIVE	PASSIVE	250	37	23.13	49	1	2	2	0.069	5	0	0.043	0.031
193788N	027470	SD	BROOKINGS	CORNELL AVE	ELKTON	PASSIVE	PASSIVE	300	37	23.13	49	1	1	2	0.134	5	0	0.070	0.050
193789V	027480	SD	BROOKINGS	SD HWY 13	ELKTON	PASSIVE	PASSIVE	642	37	23.13	49	1	1	2	0.178	5	0	0.083	0.060
193791W	027570	SD	BROOKINGS	485TH AVE	ELKTON	PASSIVE	PASSIVE	35	37	23.13	49	1	2	2	0.033	5	0	0.024	0.017
193792D	027680	SD	BROOKINGS	484TH AVE	ELKTON	PASSIVE	PASSIVE	39	37	23.13	49	1	2	2	0.035	5	0	0.024	0.017
193794S	027780	SD	BROOKINGS	483RD AVE	ELKTON	PASSIVE	PASSIVE	36	37	23.13	49	1	2	2	0.034	5	0	0.024	0.017
193795Y	027810	SD	BROOKINGS	216TH ST	ELKTON	PASSIVE	PASSIVE	33	37	23.13	49	1	2	2	0.033	5	0	0.023	0.017
197475M	27880	SD	BROOKINGS	482ND AVE	ELKTON	PASSIVE	PASSIVE	93	37	23.13	49	1	2	2	0.048	5	0	0.032	0.023
193805C	027990	SD	BROOKINGS	481ST AVE	AURORA	PASSIVE	PASSIVE	41	37	23.13	49	1	2	2	0.035	5	0	0.025	0.018
197476U	028090	SD	BROOKINGS	480TH AVE	AURORA	PASSIVE	PASSIVE	47	37	23.13	49	1	2	2	0.037	5	0	0.026	0.019
197477B	028150	SD	BROOKINGS	215TH ST	AURORA	PASSIVE	PASSIVE	27	37	23.13	49	1	2	2	0.030	5	0	0.022	0.016
193806J	028200	SD	BROOKINGS	479TH AVE	AURORA	PASSIVE	PASSIVE	43	37	23.13	49	1	2	2	0.036	5	0	0.025	0.018
193807R	028300	SD	BROOKINGS	478TH AVE	AURORA	PASSIVE	PASSIVE	42	37	23.13	49	1	2	2	0.036	5	0	0.025	0.018
193808X	028410	SD	BROOKINGS	477TH AVE	AURORA	PASSIVE	PASSIVE	31	37	23.13	49	1	2	2	0.032	5	0	0.023	0.016
197424C	028490	SD	BROOKINGS	HULL AVE	AURORA	PASSIVE	PASSIVE	5	37	23.13	49	1	2	2	0.016	5	0	0.012	0.009
197425J	028510	SD	BROOKINGS	BROADWAY AVE	AURORA	PASSIVE	PASSIVE	139	37	23.13	49	1	1	2	0.101	5	0	0.058	0.041
Segment 7 Arlington to Brookings MP 290.9 to 308.3																			
197446C	029960	SD	BROOKINGS	462ND AVE	VOLGA	PASSIVE	PASSIVE	30	37	23.13	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	23.13	49	1	1	2	0.109	5	1	0.149	0.107
197449X	030380	SD	BROOKINGS	458TH AVE	ARLINGTON	PASSIVE	PASSIVE	25	37	23.13	49	1	2	2	0.030	5	0	0.021	0.015
197450S	030480	SD	BROOKINGS	457TH AVE	ARLINGTON	PASSIVE	PASSIVE	30	37	23.13	49	1	2	2	0.032	5	0	0.022	0.016
197502G	030680	SD	BROOKINGS	455TH AVE	ARLINGTON	PASSIVE	PASSIVE	20	37	23.13	49	1	2	2	0.027	5	0	0.020	0.014
197503N	030730	SD	BROOKINGS	209TH ST	ARLINGTON	PASSIVE	PASSIVE	15	37	23.13	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	23.13	49	1	1	4	0.209	5	0	0.091	0.048
197452F	30820	SD	KINGSBURY	MAIN ST	ARLINGTON	PASSIVE	PASSIVE	630	37	23.13	49	3	1	2	0.177	5	0	0.083	0.059
Segment 8 Huron to Arlington MP 306.3 to 342.8																			
197453M	30830	SD	KINGSBURY	3RD ST N.	ARLINGTON	PASSIVE	PASSIVE	300	37	23.13	49	3	2	2	0.074	5	0	0.046	0.033
197454U	030840	SD	KINGSBURY	4TH ST. N.	ARLINGTON	PASSIVE	PASSIVE	430	37	23.13	49	3	1	2	0.154	5	0	0.076	0.054
197504V	030940	SD	KINGSBURY	453RD AVE	ARLINGTON	PASSIVE	PASSIVE	43	37	23.13	49	2	2	2	0.036	5	0	0.025	0.018
197505C	031060	SD	KINGSBURY	452ND AVE	ARLINGTON	PASSIVE	PASSIVE	74	37	23.13	49	1	2	2	0.044	5	0	0.030	0.021
197507R	031160	SD	KINGSBURY	451ST AVE	ARLINGTON	PASSIVE	PASSIVE	20	37	23.13	49	1	2	2	0.027	5	0	0.020	0.014
197508X	031260	SD	KINGSBURY	450TH AVE	ARLINGTON	PASSIVE	PASSIVE	245	37	23.13	49	1	1	2	0.125	5	1	0.160	0.114
197509E	031390	SD	KINGSBURY	449TH AVE/MAIN ST	HETLAND	PASSIVE	PASSIVE	118	37	23.13	49	1	2	2	0.052	5	0	0.035	0.025
197510Y	031470	SD	KINGSBURY	448TH AVE	HETLAND	PASSIVE	PASSIVE	10	37	23.13	49	1	2	2	0.021	5	0	0.016	0.011
197514B	031670	SD	KINGSBURY	446TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	37	23.13	49	2	2	2	0.016	5	0	0.012	0.009
197519K	032070	SD	KINGSBURY	PARK AVE	LAKE PRESTON	PASSIVE	PASSIVE	408	37	23.13	49	1	1	2	0.151	5	0	0.075	0.054
197520E	032090	SD	KINGSBURY	LAKE AVE	LAKE PRESTON	PASSIVE	PASSIVE	89	37	23.13	49	3	2	2	0.047	5	1	0.097	0.070
197521L	032100	SD	KINGSBURY	MAIN ST	LAKE PRESTON	PASSIVE	PASSIVE	2496	37	23.13	49	3	1	2	0.294	5	0	0.108	0.077
197522T	032110	SD	KINGSBURY	PRESTON AVE	LAKE PRESTON	PASSIVE	PASSIVE	86	37	23.13	49	3	2	2	0.047	5	0	0.031	0.023
197523A	032170	SD	KINGSBURY	441ST AVE	LAKE PRESTON	FLASHING LIGHTS	FLASHING LIGHTS	225	37	23.13	49	1	1	2	0.066	5	2	0.188	0.100
197679Y	032370	SD	KINGSBURY	439TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	5	37	23.13	49	1	2	2	0.016	5	0	0.012	0.009
197680T	032480	SD	KINGSBURY	438TH AVE	LAKE PRESTON	PASSIVE	PASSIVE	3	37	23.13	49	1	2	2	0.013	5	0	0.010	0.007

Post-Construction Accident Prediction Summary
South Dakota 100 MNT
Alternative C

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197681A	032580	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	75	37	23.13	49	1	2	2	0.044	5	0	0.030	0.022
197683N	032680	SD	KINGSBURY	437TH AVE	DE SMET	PASSIVE	PASSIVE	15	37	23.13	49	1	2	2	0.024	5	0	0.018	0.013
197684V	032780	SD	KINGSBURY	435TH AVE	DE SMET	PASSIVE	PASSIVE	27	37	23.13	49	1	2	2	0.030	5	0	0.022	0.016
197685C	032930	SD	KINGSBURY	LYLE AVE	DE SMET	PASSIVE	PASSIVE	115	37	23.13	49	1	2	2	0.052	5	1	0.102	0.073
197456H	032970	SD	KINGSBURY	CALUMET AVE	DE SMET	PASSIVE	PASSIVE	390	37	23.13	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	23.13	49	2	1	2	0.233	5	0	0.096	0.051
197458W	032990	SD	KINGSBURY	SHERWOOD	DE SMET	PASSIVE	PASSIVE	186	37	23.13	49	2	1	2	0.113	5	0	0.062	0.044
197459D	033000	SD	KINGSBURY	HARVEY DUNN	DE SMET	PASSIVE	PASSIVE	130	37	23.13	49	2	2	2	0.054	5	0	0.036	0.026
197686J	033040	SD	KINGSBURY	PRAIRIE AVE	DE SMET	PASSIVE	PASSIVE	610	37	23.13	49	2	1	2	0.175	5	0	0.082	0.059
197687R	033080	SD	KINGSBURY	432ND AVE	DE SMET	PASSIVE	PASSIVE	33	37	23.13	49	2	2	2	0.033	5	0	0.023	0.017
197690Y	033290	SD	KINGSBURY	430TH AVE	DE SMET	PASSIVE	PASSIVE	2	37	23.13	49	2	2	2	0.012	5	0	0.009	0.006
197460X	033390	SD	KINGSBURY	429TH AVE	DE SMET	PASSIVE	PASSIVE	36	37	23.13	49	2	2	2	0.034	5	0	0.024	0.017
197461E	33490	SD	KINGSBURY	428TH AVE.	DE SMET	PASSIVE	PASSIVE	10	37	23.13	49	2	2	1	0.021	5	0	0.016	0.011
197462L	033590	SD	KINGSBURY	427TH AVE	DE SMET	PASSIVE	PASSIVE	35	37	23.13	49	2	2	2	0.033	5	0	0.024	0.017
197464A	033700	SD	KINGSBURY	426TH AVE	DE SMET	PASSIVE	PASSIVE	10	37	23.13	49	2	2	2	0.021	5	0	0.016	0.011
197465G	033800	SD	KINGSBURY	425TH AVE	DE SMET	PASSIVE	PASSIVE	215	37	23.13	49	2	1	2	0.119	5	0	0.064	0.046
197466N	033840	SD	KINGSBURY	MANCHESTER	DE SMET	PASSIVE	PASSIVE	45	37	23.13	49	2	2	2	0.037	5	0	0.026	0.018
197467V	033890	SD	KINGSBURY	424TH AVE	DE SMET	PASSIVE	PASSIVE	17	37	23.13	49	1	2	2	0.026	5	0	0.019	0.013
197469J	34000	SD	KINGSBURY	423RD AVE	DE SMET	PASSIVE	PASSIVE	62	37	23.13	49	1	2	1	0.041	5	0	0.028	0.020
197470D	034100	SD	KINGSBURY	422ND AVE	IROQUOIS	PASSIVE	PASSIVE	62	37	23.13	49	1	2	2	0.041	5	0	0.028	0.020
197691F	34200	SD	KINGSBURY	421ST AVE	IROQUOIS	PASSIVE	PASSIVE	8	37	23.13	49	1	2	1	0.019	5	0	0.014	0.010
197692M	034300	SD	KINGSBURY	420TH AVE	IROQUOIS	PASSIVE	PASSIVE	15	37	23.13	49	1	2	2	0.024	5	0	0.018	0.013
197694B	34390	SD	KINGSBURY	419TH AVE	IROQUOIS	PASSIVE	PASSIVE	19	37	23.13	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	23.13	49	1	1	2	0.135	5	0	0.070	0.037
197697W	34460	SD	KINGSBURY	OTTAWA ST	IROQUOIS	PASSIVE	PASSIVE	613	37	23.13	49	2	1	2	0.175	5	0	0.082	0.059
197698D	34470	SD	KINGSBURY	QUAPAW ST	IROQUOIS	PASSIVE	PASSIVE	230	37	23.13	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	23.13	49	1	1	2	0.057	5	0	0.037	0.020
197473Y	034690	SD	BEADLE	416TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	37	23.13	49	1	2	2	0.021	5	0	0.016	0.011
197474F	034790	SD	BEADLE	415TH AVE	IROQUOIS	PASSIVE	PASSIVE	42	37	23.13	49	1	2	2	0.036	5	0	0.025	0.018
197455B	034890	SD	BEADLE	414TH AVE	IROQUOIS	PASSIVE	PASSIVE	10	37	23.13	49	1	2	2	0.021	5	0	0.016	0.011
197887A	034990	SD	BEADLE	413TH AVE	CAVOUR	PASSIVE	PASSIVE	95	37	23.13	49	1	2	2	0.048	5	0	0.032	0.023
197701J	35080	SD	BEADLE	412TH AVE	CAVOUR	PASSIVE	PASSIVE	35	37	23.13	49	1	2	2	0.033	5	0	0.024	0.017
197702R	35180	SD	BEADLE	411TH AVE	CAVOUR	PASSIVE	PASSIVE	19	37	23.13	49	1	2	2	0.027	5	0	0.019	0.014
197703X	35280	SD	BEADLE	410TH AVE	CAVOUR	PASSIVE	PASSIVE	35	37	23.13	49	1	2	2	0.033	5	0	0.024	0.017
197704E	035380	SD	BEADLE	409TH AVE	CAVOUR	PASSIVE	PASSIVE	188	37	23.13	49	1	1	2	0.113	5	0	0.062	0.045
197706T	035480	SD	BEADLE	408TH AVE	CAVOUR	PASSIVE	PASSIVE	15	37	23.13	49	1	2	2	0.024	5	0	0.018	0.013
197707A	35580	SD	BEADLE	407TH AVE	CAVOUR	PASSIVE	PASSIVE	15	37	23.13	49	2	2	2	0.024	5	0	0.018	0.013
197708G	035680	SD	BEADLE	406TH AVE	HURON	PASSIVE	PASSIVE	37	37	23.13	49	2	2	2	0.034	5	0	0.024	0.017
197710H	035780	SD	BEADLE	405TH AVE	HURON	PASSIVE	PASSIVE	44	37	23.13	49	2	2	2	0.036	5	0	0.025	0.018
197711P	035880	SD	BEADLE	404TH AVE	HURON	PASSIVE	PASSIVE	40	37	23.13	49	2	2	2	0.035	5	0	0.025	0.018
197891P	035980	SD	BEADLE	403RD AVE	HURON	PASSIVE	PASSIVE	45	37	23.13	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	23.13	49	1	1	2	0.034	5	0	0.024	0.013
189696U	36220	SD	BEADLE	SIMMONS AVE	HURON	PASSIVE	PASSIVE	545	37	23.13	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	23.13	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	23.13	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	23.13	49	1	1	4	0.239	5	1	0.216	0.114
189703C	36480	SD	BEADLE	W PARK AVE	HURON	PASSIVE	PASSIVE	125	37	23.13	49	1	2	2	0.054	5	0	0.035	0.025
189704J	36590	SD	BEADLE	397TH AVE	HURON	PASSIVE	PASSIVE	40	37	23.13	49	2	1	2	0.064	5	0	0.041	0.029
189705R	36690	SD	BEADLE	396TH AVE	HURON	PASSIVE	PASSIVE	29	37	23.13	49	3	2	1	0.031	5	0	0.022	0.016

Post-Construction Accident Prediction Summary
South Dakota 100 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
189706X	036800	SD	BEADLE	395TH AVE	HURON	PASSIVE	PASSIVE	20	37	23.13	49	1	2	1	0.027	5	0	0.020	0.014
189707E	36900	SD	BEADLE	394TH AVE	WOLSEY	PASSIVE	PASSIVE	305	37	23.13	49	1	1	2	0.135	5	2	0.263	0.188
189708L	37000	SD	BEADLE	393RD AVE	WOLSEY	PASSIVE	PASSIVE	35	37	23.13	49	1	2	2	0.033	5	0	0.024	0.017
189710M	37100	SD	BEADLE	392ND AVE	WOLSEY	PASSIVE	PASSIVE	20	37	23.13	49	2	2	1	0.027	5	0	0.020	0.014
189712B	37320	SD	BEADLE	390TH AVE	WOLSEY	PASSIVE	PASSIVE	19	37	23.13	49	2	2	2	0.027	5	0	0.019	0.014
189713H	37480	SD	BEADLE	389TH AVE	WOLSEY	PASSIVE	PASSIVE	3	37	23.13	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	23.13	40	2	1	2	0.220	5	1	0.209	0.110
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	37	23.13	49	2	2	1	0.064	5	0	0.041	0.029
189718S	37730	SD	BEADLE	386TH AVE	WOLSEY	PASSIVE	PASSIVE	27	37	23.13	49	1	2	1	0.030	5	0	0.022	0.016
189720T	37930	SD	BEADLE	384TH AVE	WOLSEY	PASSIVE	PASSIVE	24	37	23.13	49	1	2	1	0.029	5	0	0.021	0.015
189722G	38040	SD	BEADLE	383RD AVE	WOLSEY	PASSIVE	PASSIVE	15	37	23.13	49	1	2	2	0.024	5	0	0.018	0.013
189724V	38140	SD	BEADLE	382ND AVE	WESSINGTON	PASSIVE	PASSIVE	20	37	23.13	49	1	2	1	0.027	5	0	0.020	0.014
189726J	038350	SD	BEADLE	378TH AVE	WESSINGTON	PASSIVE	PASSIVE	12	37	23.13	49	2	2	1	0.022	5	0	0.017	0.012
189728X	38550	SD	BEADLE	376TH AVE	WESSINGTON	PASSIVE	PASSIVE	20	37	23.13	49	2	2	2	0.027	5	0	0.020	0.014
189730Y	38650	SD	BEADLE	375TH AVE	WESSINGTON	PASSIVE	PASSIVE	25	37	23.13	49	1	2	2	0.030	5	0	0.021	0.015
189731F	038750	SD	BEADLE	WESSINGTON ST	WESSINGTON	PASSIVE	PASSIVE	952	37	23.13	49	2	1	2	0.206	5	1	0.203	0.145
189732M	38770	SD	BEADLE	374TH AVE	WESSINGTON	PASSIVE	PASSIVE	464	37	23.13	49	2	1	2	0.158	5	0	0.077	0.055
189734B	38880	SD	HAND	373RD AVE	WESSINGTON	PASSIVE	PASSIVE	14	37	23.13	49	1	2	1	0.024	5	0	0.017	0.012
189736P	39000	SD	HAND	372ND AVE	WESSINGTON	PASSIVE	PASSIVE	9	37	23.13	49	1	2	1	0.020	5	0	0.015	0.011
189738D	39110	SD	HAND	371ST AVE	WESSINGTON	PASSIVE	PASSIVE	10	37	23.13	49	1	2	1	0.021	5	0	0.016	0.011
189740E	39220	SD	HAND	370TH AVE	WESSINGTON	PASSIVE	PASSIVE	2	37	23.13	49	1	2	1	0.012	5	0	0.009	0.006
189742T	39340	SD	HAND	369TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	120	37	23.13	49	1	1	2	0.096	5	0	0.055	0.040
189744G	039560	SD	HAND	367TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	37	23.13	49	1	2	1	0.009	5	0	0.007	0.005
189746V	039670	SD	HAND	366TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	25	37	23.13	49	1	2	1	0.030	5	0	0.021	0.015
189747C	39760	SD	HAND	365TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	1	37	23.13	49	1	2	1	0.009	5	0	0.007	0.005
189748J	39860	SD	HAND	364TH AVE	ST LAWRENCE	PASSIVE	PASSIVE	4	37	23.13	49	1	2	1	0.015	5	0	0.011	0.008
189749R	39960	SD	HAND	363RD AVE	ST LAWRENCE	PASSIVE	PASSIVE	115	37	23.13	49	1	1	2	0.094	5	0	0.055	0.039
189751S	40030	SD	HAND	MAPLE ST	ST LAWRENCE	PASSIVE	PASSIVE	164	37	23.13	49	2	2	2	0.059	5	0	0.038	0.027
189752Y	040040	SD	HAND	COMMERCIAL AVE	ST LAWRENCE	GATES	GATES	166	37	23.13	49	2	2	2	0.044	5	1	0.094	0.046
189754M	40160	SD	HAND	361ST AVE	GRENVILLE	PASSIVE	PASSIVE	25	37	23.13	49	1	2	1	0.030	5	0	0.021	0.015
189755U	40260	SD	HAND	3RD ST	MILLER	PASSIVE	PASSIVE	400	37	23.13	49	2	1	2	0.149	5	0	0.075	0.054
189756B	040290	SD	HAND	BROADWAY/HWY 47	MILLER	FLASHING LIGHTS	FLASHING LIGHTS	2505	37	23.13	49	3	1	2	0.260	5	0	0.102	0.054
189757H	40310	SD	HAND	3RD AVE W	MILLER	PASSIVE	PASSIVE	204	37	23.13	49	1	2	1	0.064	5	0	0.041	0.029
189758P	40360	SD	HAND	359TH AVE	MILLER	PASSIVE	PASSIVE	14	37	23.13	49	2	2	1	0.024	5	0	0.017	0.012
189759W	40460	SD	HAND	358TH AVE	MILLER	PASSIVE	PASSIVE	2	37	23.13	49	2	2	1	0.012	5	0	0.009	0.006
189760R	40560	SD	HAND	357TH AVE	MILLER	PASSIVE	PASSIVE	2	37	23.13	49	2	2	1	0.012	5	0	0.009	0.006
189761X	40660	SD	HAND	356TH AVE	MILLER	PASSIVE	PASSIVE	2	37	23.13	49	2	2	1	0.012	5	0	0.009	0.006
189762E	40750	SD	HAND	355TH AVE	MILLER	PASSIVE	PASSIVE	49	37	23.13	49	1	2	1	0.038	5	0	0.026	0.019
189763L	40860	SD	HAND	354TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	3	37	23.13	49	1	2	1	0.013	5	0	0.010	0.007
189765A	41060	SD	HAND	352ND AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	37	23.13	49	1	2	1	0.016	5	0	0.012	0.009
189767N	41260	SD	HAND	350TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	37	23.13	49	1	2	1	0.012	5	0	0.009	0.006
189768V	41330	SD	HAND	DAKOTA AVE	REE HEIGHTS	FLASHING LIGHTS	FLASHING LIGHTS	508	37	23.13	49	2	1	2	0.111	5	0	0.062	0.033
189769C	041360	SD	HAND	LINCOLN AVE	REE HEIGHTS	PASSIVE	PASSIVE	5	37	23.13	49	1	2	1	0.016	5	0	0.012	0.009
189770W	41550	SD	HAND	347TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	2	37	23.13	49	1	2	1	0.012	5	0	0.009	0.006
189771D	041660	SD	HAND	346TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	7	37	23.13	49	1	2	1	0.018	5	0	0.014	0.010
189772K	041830	SD	HAND	344TH AVE	REE HEIGHTS	PASSIVE	PASSIVE	20	37	23.13	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	23.13	49	1	2	9	0.052	5	0	0.034	0.025
189776M	042230	SD	HYDE	340TH AVE	HIGHMORE	PASSIVE	PASSIVE	1	37	23.13	49	1	2	1	0.009	5	0	0.007	0.005
189780C	42420	SD	HYDE	338TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	37	23.13	49	1	2	1	0.021	5	0	0.016	0.011

Post-Construction Accident Prediction Summary
South Dakota 100 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
189781J	042500	SD	HYDE	COMMERCIAL	HIGHMORE	GATES	GATES	272	37	23.13	49	3	2	2	0.059	5	1	0.109	0.053
189782R	42520	SD	HYDE	IOWA AVE	HIGHMORE	GATES	GATES	1543	37	23.13	49	4	1	2	0.114	5	0	0.063	0.031
189784E	42620	SD	HYDE	336TH AVE	HIGHMORE	PASSIVE	PASSIVE	8	37	23.13	49	2	2	1	0.019	5	0	0.014	0.010
189786T	42820	SD	HYDE	334TH AVE	HIGHMORE	PASSIVE	PASSIVE	6	37	23.13	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	23.13	49	2	2	2	0.034	5	0	0.024	0.017
189789N	43120	SD	HYDE	330TH AVE	HIGHMORE	PASSIVE	PASSIVE	10	37	23.13	49	1	2	1	0.021	5	0	0.016	0.011
189791P	43290	SD	HYDE	OAK ST	HIGHMORE	PASSIVE	PASSIVE	21	37	23.13	49	1	2	1	0.028	5	0	0.020	0.014
189792W	043320	SD	HYDE	328TH AVE/CO RD 649	HIGHMORE	PASSIVE	PASSIVE	80	37	23.13	49	1	1	2	0.082	5	0	0.050	0.035
189793D	43420	SD	HYDE	327TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	37	23.13	49	1	2	1	0.013	5	0	0.010	0.007
189795S	43520	SD	HYDE	326TH AVE	HIGHMORE	PASSIVE	PASSIVE	3	37	23.13	49	1	2	1	0.013	5	0	0.010	0.007
189797F	043620	SD	HYDE	325TH AVE	HIGHMORE	PASSIVE	PASSIVE	7	37	23.13	49	1	2	1	0.018	5	0	0.014	0.010
189799U	043820	SD	HUGHES	323RD AVE	HARROLD	PASSIVE	PASSIVE	20	37	23.13	49	1	2	1	0.027	5	0	0.020	0.014
189800L	043920	SD	HUGHES	322ND AVE	HARROLD	PASSIVE	PASSIVE	20	37	23.13	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	23.13	49	3	1	2	0.109	5	3	0.326	0.173
189802A	044020	SD	HUGHES	321ST AVE	HARROLD	PASSIVE	PASSIVE	145	37	23.13	49	2	1	2	0.103	5	0	0.058	0.042
189805V	44320	SD	HUGHES	318TH AVE	HARROLD	PASSIVE	PASSIVE	35	37	23.13	49	2	2	1	0.033	5	0	0.024	0.017
189809X	044720	SD	HUGHES	314TH AVE	BLUNT	PASSIVE	PASSIVE	35	37	23.13	49	1	2	2	0.033	5	0	0.024	0.017
189810S	44920	SD	HUGHES	312TH AVE	BLUNT	PASSIVE	PASSIVE	16	37	23.13	49	1	2	1	0.025	5	0	0.018	0.013
189812F	45130	SD	HUGHES	310TH AVE		PASSIVE	PASSIVE	9	37	23.13	49	2	2	1	0.020	5	0	0.015	0.011
189813M	45220	SD	HUGHES	309TH AVE	BLUNT	PASSIVE	PASSIVE	9	37	23.13	49	3	2	2	0.020	5	0	0.015	0.011
189816H	045330	SD	HUGHES	CANNING RD	BLUNT	PASSIVE	PASSIVE	153	37	23.13	49	2	1	2	0.105	5	0	0.059	0.042
189822L	046110	SD	HUGHES	CHELSEY RD	BLUNT	PASSIVE	PASSIVE	82	37	23.13	49	1	2	2	0.046	5	0	0.031	0.022
189870B	048940	SD	STANLEY	TRAIL PLACE RD	FORT PIERRE	PASSIVE	PASSIVE	15	37	23.13	49	2	2	1	0.024	5	0	0.018	0.013
189889T	050300	SD	STANLEY	WENDTE RD	FORT PIERRE	PASSIVE	PASSIVE	10	37	23.13	49	1	2	1	0.021	5	0	0.016	0.011
189902E	51320	SD	JONES	VAN METRE RD	MIDLAND	PASSIVE	PASSIVE	62	37	23.13	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	23.13	49	1	2	1	0.025	5	0	0.018	0.013
189914Y	52290	SD	JONES	CO RD N3	MIDLAND	PASSIVE	PASSIVE	25	37	23.13	49	1	2	1	0.030	5	0	0.021	0.015
189929N	53300	SD	HAAKON	NORTHWESTERN AVE	MIDLAND	PASSIVE	PASSIVE	55	37	23.13	49	1	2	1	0.040	5	0	0.027	0.020
189930H	53320	SD	HAAKON	WAKAPLA ST	MIDLAND	PASSIVE	PASSIVE	56	37	23.13	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	23.13	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	23.13	49	2	1	2	0.087	5	0	0.052	0.027
189989X	55950	SD	HAAKON	SO AUTO AVE	PHILIP	PASSIVE	PASSIVE	75	37	23.13	49	2	2	1	0.044	5	0	0.030	0.022
190010C	55970	SD	HAAKON	HWY 73	PHILIP	FLASHING LIGHTS	FLASHING LIGHTS	615	37	23.13	49	4	1	2	0.177	5	0	0.083	0.044
190501B	56170	SD	HAAKON	CNTY RD 13	PHILIP	PASSIVE	PASSIVE	50	37	23.13	30	1	2	2	0.033	5	0	0.023	0.017
190025S	57130	SD	JACKSON	CO RD 22	COTTONWOOD	PASSIVE	PASSIVE	15	37	23.13	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	23.13	49	1	1	2	0.122	5	1	0.158	0.084
190027F	57320	SD	JACKSON	E COTTONWOOD	COTTONWOOD	PASSIVE	PASSIVE	59	37	23.13	49	1	2	1	0.041	5	0	0.028	0.020
190028M	57350	SD	JACKSON	MAIN/COTTONWOOD S	COTTONWOOD	PASSIVE	PASSIVE	26	37	23.13	49	1	2	2	0.030	5	0	0.021	0.015
190032C	57520	SD	JACKSON	GRINDSTONE RD	COTTONWOOD	PASSIVE	PASSIVE	41	37	23.13	49	1	2	1	0.035	5	0	0.025	0.018
190034R	057730	SD	JACKSON	CO RD 23A	COTTONWOOD	PASSIVE	PASSIVE	12	37	23.13	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	23.13	49	2	2	1	0.017	5	0	0.013	0.009
190044W	58470	SD	PENNINGTON	QUINN RD	QUINN	PASSIVE	PASSIVE	87	37	23.13	49	2	1	2	0.085	5	0	0.051	0.036
190049F	059020	SD	PENNINGTON	CREIGHTON RD	WALL	PASSIVE	PASSIVE	19	37	23.13	49	1	1	2	0.048	5	0	0.032	0.023

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

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
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
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			1	0.348	0.667		0.320	3	Number of crossings	
							Minimum				0.004	0.009		0.005	210	in the County =	25
							Maximum				0.066	0.107		0.041	25		
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
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	0.009	0.025	B	0.015	65	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	0.100	A	0.032	31	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

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

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
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	0.018	0.037	B	0.019	53	NO	NO
197696P	34420	SD	KINGSBURY	US HWY 14	IROQUOIS	FLASHING LIGHTS	FLASHING LIGHTS			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	0.763	1.577		0.814	1	Number of crossings	
							Minimum				0.002	0.006		0.0042	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
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

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

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
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	0.110	A	0.041	24	YES	YES
189717K	37630	SD	BEADLE	387TH AVE	WOLSEY	PASSIVE	PASSIVE	200	1	0	0.009	0.029	B	0.020	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	1.423		0.715	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
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	0.033	B	0.020	51	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	0.522		0.336	3	Number of crossings	
							Minimum				0.001	0.005		0.0036	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

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

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
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
							Total			3	0.168	0.375		0.207	5	Number of crossings	
							Minimum				0.003	0.011		0.008	129	In the County =	11
							Maximum				0.107	0.173		0.066	15		
Stanley County																	
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
							Total			0	0.007	0.024		0.017	58	Number of crossings	
							Minimum				0.003	0.011		0.008	124	In the County =	2
							Maximum				0.004	0.013		0.009	109		
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	0.017	B	0.013	77	NO	NO

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

FRA ID	MILEPOST	STATE	COUNTY	STREET	CITY	EXISTING DEVICE	PROPOSED DEVICE	ADT c	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					
							Total			0	0.048	0.179		0.131	8	Number of crossings	
							Minimum				0.004	0.017		0.013	77	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	97	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 S	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		0.106	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																	
190039A	58309	SD	PENNINGTON	BIG FOOT RD/CO RD 51	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		

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