Pre/Post Construction Delays, South Dakota Rebuild

Alternative C

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Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 6,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
Segment 6 Brookings to Tracy MP 226.6 to 290.6																						
193785T	27360	2	40	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193786A	027440	2	1400	28	6400	10	0.4	3.1	1.8	30.1	4.3	4.8	45.0	6400	11	0.5	2.1	1.4	22.6	3.0	2.6	-0.5	NO
193787G	027460	2	250	28	6400	10	0.4	3.1	1.8	5.4	0.8	4.8	45.0	6400	11	0.5	2.1	1.4	4.0	0.5	2.6	-0.5	NO
193788N	027470	2	300	28	6400	10	0.4	3.1	1.8	6.5	0.9	4.8	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.5	NO
193789V	027480	2	642	28	6400	10	0.4	3.1	1.8	13.8	2.0	4.8	45.0	6400	11	0.5	2.1	1.4	10.4	1.4	2.6	-0.5	NO
193791W	027570	2	35	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193792D	027680	2	39	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193794S	027780	2	36	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193795Y	027810	2	33	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.5	NO
197475M	27880	2	93	28	6400	10	0.4	3.1	1.8	2.0	0.3	4.8	45.0	6400	11	0.5	2.1	1.4	1.5	0.2	2.6	-0.5	NO
193805C	027990	2	41	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
197476U	028090	2	47	28	6400	10	0.4	3.1	1.8	1.0	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.8	0.1	2.6	-0.5	NO
197477B	028150	2	27	28	6400	10	0.4	3.1	1.8	0.6	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.5	NO
193806J	028200	2	43	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
193807R	028300	2	42	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
193808X	028410	2	31	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.5	NO
197424C	028490	2	5	28	6400	10	0.4	3.1	1.8	0.1	0.0	4.8	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.5	NO
197425J	028510	2	139	28	6400	10	0.4	3.1	1.8	3.0	0.4	4.8	45.0	6400	11	0.5	2.1	1.4	2.2	0.3	2.6	-0.5	NO
Segment 7 Arlington to Brookings MP 290.9 to 308.3																						
197446C	029960	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-1.0	NO
197447J	030170	1	17	20	6400	8	0.3	4.1	2.4	0.4	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-1.0	NO
197448R	030280	2	170	20	6400	8	0.3	4.1	2.4	3.9	0.7	6.5	45.0	6400	11	0.5	2.1	1.4	2.7	0.4	2.6	-1.0	NO
197449X	030380	2	25	20	6400	8	0.3	4.1	2.4	0.6	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-1.0	NO
197450S	030480	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-1.0	NO
197502G	030680	2	20	20	6400	8	0.3	4.1	2.4	0.5	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-1.0	NO
197503N	030730	2	15	20	6400	8	0.3	4.1	2.4	0.3	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-1.0	NO
197451Y	030800	4	1536	20	6400	8	0.3	4.1	2.4	35.3	3.2	6.5	45.0	6400	11	0.5	2.1	1.4	24.8	1.6	2.6	-1.0	NO
197452F	30820	2	630	20	6400	8	0.3	4.1	2.4	14.5	2.6	6.5	45.0	6400	11	0.5	2.1	1.4	10.2	1.3	2.6	-1.0	NO
Segment 8 Huron to Arlington MP 308.3 to 342.4																						
197453M	030835	2	300	21	6400	6	0.3	4.0	2.3	5.0	1.2	4.5	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.9	NO
197454U	030840	2	430	21	6400	6	0.3	4.0	2.3	7.1	1.7	4.5	45.0	6400	11	0.5	2.1	1.4	7.0	0.9	2.6	-0.9	NO
197504V	030940	2	43	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197505C	031060	2	74	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.2	0.2	2.6	-0.9	NO
197507R	031160	2	20	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197508X	031260	2	245	21	6400	6	0.3	4.0	2.3	4.0	1.0	4.5	45.0	6400	11	0.5	2.1	1.4	4.0	0.5	2.6	-0.9	NO
197509E	031390	2	118	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.9	NO
197510Y	031470	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197514B	031670	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197519K	032070	2	408	21	6400	6	0.3	4.0	2.3	6.7	1.6	4.5	45.0	6400	11	0.5	2.1	1.4	6.6	0.9	2.6	-0.9	NO
197520E	032090	2	89	21	6400	6	0.3	4.0	2.3	1.5	0.4	4.5	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-0.9	NO
197521L	032100	2	2496	21	6400	6	0.3	4.0	2.3	41.2	9.9	4.5	45.0	6400	11	0.5	2.1	1.4	40.3	5.3	2.6	-0.9	NO
197522T	032110	2	86	21	6400	6	0.3	4.0	2.3	1.4	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-0.9	NO
197523A	032170	2	225	21	6400	6	0.3	4.0	2.3	3.7	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.6	0.5	2.6	-0.9	NO
197679Y	032370	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197680T	032480	2	3	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.9	NO
197681A	032580	2	75	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.2	0.2	2.6	-0.9	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 6,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
197683N	032680	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197684V	032780	2	27	21	6400	6	0.3	4.0	2.3	0.4	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.9	NO
197685C	032930	2	115	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.9	NO
197456H	032970	2	390	21	6400	6	0.3	4.0	2.3	6.4	1.5	4.5	45.0	6400	11	0.5	2.1	1.4	6.3	0.8	2.6	-0.9	NO
197457P	032980	2	3063	21	6400	6	0.3	4.0	2.3	50.6	12.1	4.5	45.0	6400	11	0.5	2.1	1.4	49.5	6.5	2.6	-0.9	NO
197458W	032990	2	186	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	6400	11	0.5	2.1	1.4	3.0	0.4	2.6	-0.9	NO
197459D	033000	2	130	21	6400	6	0.3	4.0	2.3	2.1	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	2.1	0.3	2.6	-0.9	NO
197686J	033040	2	610	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-0.9	NO
197687R	033080	2	33	21	6400	6	0.3	4.0	2.3	0.5	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.9	NO
197690Y	033290	2	2	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.9	NO
197460X	033390	2	36	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197461E	33490	1	10	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197462L	033590	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197464A	033700	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197465G	033800	2	215	21	6400	6	0.3	4.0	2.3	3.6	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.5	0.5	2.6	-0.9	NO
197466N	033840	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197467V	033890	2	17	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197469J	34000	1	62	21	6400	6	0.3	4.0	2.3	1.0	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.0	0.3	2.6	-0.9	NO
197470D	034100	2	62	21	6400	6	0.3	4.0	2.3	1.0	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	1.0	0.1	2.6	-0.9	NO
197691F	34200	1	8	21	6400	6	0.3	4.0	2.3	0.1	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197692M	034300	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197694B	34390	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197696P	34420	2	1285	21	6400	6	0.3	4.0	2.3	21.2	5.1	4.5	45.0	6400	11	0.5	2.1	1.4	20.8	2.7	2.6	-0.9	NO
197697W	34460	2	613	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-0.9	NO
197698D	34470	2	230	21	6400	6	0.3	4.0	2.3	3.8	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.7	0.5	2.6	-0.9	NO
197471K	034490	2	157	21	6400	6	0.3	4.0	2.3	2.6	0.6	4.5	45.0	6400	11	0.5	2.1	1.4	2.5	0.3	2.6	-0.9	NO
197473Y	034690	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197474F	034790	2	42	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197455B	034890	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197887A	034990	2	95	21	6400	6	0.3	4.0	2.3	1.6	0.4	4.5	45.0	6400	11	0.5	2.1	1.4	1.5	0.2	2.6	-0.9	NO
197701J	35080	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197702R	35180	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197703X	35280	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197704E	035380	2	188	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	6400	11	0.5	2.1	1.4	3.0	0.4	2.6	-0.9	NO
197706T	035480	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197707A	35580	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197708G	035680	2	37	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197710H	035780	2	44	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197711P	035880	2	40	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197891P	035980	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197890H	036080	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
189696U	36220	2	545	21	6400	6	0.3	4.0	2.3	9.0	2.2	4.5	45.0	6400	11	0.5	2.1	1.4	8.8	1.2	2.6	-0.9	NO
189698H	36280	4	11030	21	6400	6	0.3	4.0	2.3	182.1	21.9	4.5	45.0	6400	11	0.5	2.1	1.4	178.3	11.7	2.6	-0.9	NO
Segment 9 Wolsey to Huron MP 362.9 to 376.1																							
189701N	36380	2	5290	34	6400	6	0.3	2.6	1.6	58.2	14.0	2.1	45.0	6400	11	0.5	2.1	1.4	85.5	11.2	2.6	-0.3	NO
189702V	036470	4	2137	34	6400	6	0.3	2.6	1.6	23.5	2.8	2.1	45.0	6400	11	0.5	2.1	1.4	34.5	2.3	2.6	-0.3	NO
189703C	36480	2	125	34	6400	6	0.3	2.6	1.6	1.4	0.3	2.1	45.0	6400	11	0.5	2.1	1.4	2.0	0.3	2.6	-0.3	NO
189704J	36590	2	40	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.3	NO
189705R	36690	1	29	34	6400	6	0.3	2.6	1.6	0.3	0.2	2.1	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.3	NO
189706X	036800	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.3	NO
189707E	36900	2	305	34	6400	6	0.3	2.6	1.6	3.4	0.8	2.1	45.0	6400	11	0.5	2.1	1.4	4.9	0.6	2.6	-0.3	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 6,400 Feet
Alternative C

				Pre-Construction									Post-Construction										
						Trains Per									Trains Per									
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189708L	37000	2	35	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.3	NO
189710M	37100	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.3	NO
189712B	37320	2	19	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.3	NO
189713H	37480	1	3	34	6400	6	0.3	2.6	1.6	0.0	0.0	2.1	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.3	NO
Segment 10 Midland to Wasay MP 376.1 to 633.2																							
189716D	37620	2	2671	30	6400	4	0.2	2.9	1.8	21.7	7.8	1.7	40.0	6400	11	0.5	2.3	1.5	47.3	6.2	3.1	-0.3	NO
189717K	37630	1	200	30	6400	4	0.2	2.9	1.8	1.6	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	3.2	0.8	2.6	-0.4	NO
189718S	37730	1	27	30	6400	4	0.2	2.9	1.8	0.2	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189720T	37930	1	24	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189722G	38040	2	15	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189724V	38140	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189726J	038350	1	12	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189728X	38550	2	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.4	NO
189730Y	38650	2	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189731F	038750	2	952	30	6400	4	0.2	2.9	1.8	7.7	2.8	1.7	45.0	6400	11	0.5	2.1	1.4	15.4	2.0	2.6	-0.4	NO
189732M	38770	2	464	30	6400	4	0.2	2.9	1.8	3.8	1.4	1.7	45.0	6400	11	0.5	2.1	1.4	7.5	1.0	2.6	-0.4	NO
189734B	38880	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189736P	39000	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189738D	39110	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189740E	39220	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189742T	39340	2	120	30	6400	4	0.2	2.9	1.8	1.0	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.3	2.6	-0.4	NO
189744G	039560	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189746V	039670	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189747C	39760	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189748J	39860	1	4	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189749R	39960	2	115	30	6400	4	0.2	2.9	1.8	0.9	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.4	NO
189751S	40030	2	164	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	6400	11	0.5	2.1	1.4	2.7	0.3	2.6	-0.4	NO
189752Y	040040	2	166	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	6400	11	0.5	2.1	1.4	2.7	0.4	2.6	-0.4	NO
189754M	40160	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189755U	40260	2	400	30	6400	4	0.2	2.9	1.8	3.2	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	6.5	0.8	2.6	-0.4	NO
189756B	040290	2	2505	30	6400	4	0.2	2.9	1.8	20.3	7.3	1.7	45.0	6400	11	0.5	2.1	1.4	40.5	5.3	2.6	-0.4	NO
189757H	40310	1	204	30	6400	4	0.2	2.9	1.8	1.7	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	3.3	0.9	2.6	-0.4	NO
189758P	40360	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189759W	40460	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189760R	40560	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189761X	40660	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189762E	40750	1	49	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.8	0.2	2.6	-0.4	NO
189763L	40860	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189765A	41060	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189767N	41260	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189768V	41330	2	508	30	6400	4	0.2	2.9	1.8	4.1	1.5	1.7	45.0	6400	11	0.5	2.1	1.4	8.2	1.1	2.6	-0.4	NO
189769C	041360	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189770W	41550	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189771D	041660	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189772K	041830	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189775F	42120	9	115	30	6400	4	0.2	2.9	1.8	0.9	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.1	2.6	-0.4	NO
189776M	042230	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189780C	42420	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189781J	042500	2	272	30	6400	4	0.2	2.9	1.8	2.2	0.8	1.7	45.0	6400	11	0.5	2.1	1.4	4.4	0.6	2.6	-0.4	NO
189782R	42520	2	1543	30	6400	4	0.2	2.9	1.8	12.5	4.5	1.7	45.0	6400	11	0.5	2.1	1.4	24.9	3.3	2.6	-0.4	NO
189784E	42620	1	8	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 6,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189786T	42820	2	6	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189787A	42920	2	36	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189789N	43120	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189791P	43290	1	21	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189792W	043320	2	80	30	6400	4	0.2	2.9	1.8	0.6	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.3	0.2	2.6	-0.4	NO
189793D	43420	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189795S	43520	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189797F	043620	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189799U	043820	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189800L	043920	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189801T	43990	2	300	30	6400	4	0.2	2.9	1.8	2.4	0.9	1.7	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.4	NO
189802A	044020	2	145	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	2.3	0.3	2.6	-0.4	NO
189805V	44320	1	35	30	6400	4	0.2	2.9	1.8	0.3	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189809X	044720	2	35	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189810S	44920	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189812F	45130	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189813M	45220	2	9	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189816H	045330	2	153	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	2.5	0.3	2.6	-0.4	NO
189822L	046110	2	82	30	6400	4	0.2	2.9	1.8	0.7	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.3	0.2	2.6	-0.4	NO
189870B	048940	1	15	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189889T	050300	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189902E	51320	2	62	30	6400	4	0.2	2.9	1.8	0.5	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.0	0.1	2.6	-0.4	NO
189908V	052020	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189914Y	52290	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189929N	53300	1	55	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.9	0.2	2.6	-0.4	NO
189930H	53320	1	56	30	6400	4	0.2	2.9	1.8	0.5	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.9	0.2	2.6	-0.4	NO
Segment 11 Wasta to Midland MP 533.2 to 606																							
189931P	53340	1	228	10	6400	2	0.1	7.8	4.2	2.5	3.5	5.4	45.0	6400	11	0.5	2.1	1.4	3.7	1.0	2.6	-2.8	NO
189932W	53360	2	280	10	6400	2	0.1	7.8	4.2	3.0	2.2	5.4	45.0	6400	11	0.5	2.1	1.4	4.5	0.6	2.6	-2.8	NO
189989X	55950	1	75	10	6400	2	0.1	7.8	4.2	0.8	1.2	5.4	45.0	6400	11	0.5	2.1	1.4	1.2	0.3	2.6	-2.8	NO
190010C	55970	2	615	10	6400	2	0.1	7.8	4.2	6.6	4.8	5.4	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-2.8	NO
190501B	56170	2	50	10	6400	2	0.1	7.8	4.2	0.5	0.4	5.4	45.0	6400	11	0.5	2.1	1.4	0.8	0.1	2.6	-2.8	NO
190025S	57130	1	15	10	6400	2	0.1	7.8	4.2	0.2	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-2.8	NO
190026Y	57180	2	1020	10	6400	2	0.1	7.8	4.2	11.0	7.9	5.4	45.0	6400	11	0.5	2.1	1.4	16.5	2.2	2.6	-2.8	NO
190027F	57320	1	59	10	6400	2	0.1	7.8	4.2	0.6	0.9	5.4	45.0	6400	11	0.5	2.1	1.4	1.0	0.2	2.6	-2.8	NO
190028M	57350	2	26	10	6400	2	0.1	7.8	4.2	0.3	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-2.8	NO
190032C	57520	1	41	10	6400	2	0.1	7.8	4.2	0.4	0.6	5.4	45.0	6400	11	0.5	2.1	1.4	0.7	0.2	2.6	-2.8	NO
190034R	057730	1	12	10	6400	2	0.1	7.8	4.2	0.1	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-2.8	NO
190039A	58309	1	6	10	6400	2	0.1	7.8	4.2	0.1	0.1	5.4	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-2.8	NO
190044W	58470	2	87	10	6400	2	0.1	7.8	4.2	0.9	0.7	5.4	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-2.8	NO
190049F	059020	2	19	10	6400	2	0.1	7.8	4.2	0.2	0.1	5.4	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-2.8	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
Segment 6 Brookings to Tracy MP 226.4 to 290.8																						
193785T	027360	2	40	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193786A	027440	2	1400	28	6400	10	0.4	3.1	1.8	30.1	4.3	4.8	45.0	7400	11	0.5	2.4	1.5	25.3	3.3	3.2	-0.4	NO
193787G	027460	2	250	28	6400	10	0.4	3.1	1.8	5.4	0.8	4.8	45.0	7400	11	0.5	2.4	1.5	4.5	0.6	3.2	-0.4	NO
193788N	027470	2	300	28	6400	10	0.4	3.1	1.8	6.5	0.9	4.8	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.4	NO
193789V	027480	2	642	28	6400	10	0.4	3.1	1.8	13.8	2.0	4.8	45.0	7400	11	0.5	2.4	1.5	11.6	1.5	3.2	-0.4	NO
193791W	027570	2	35	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
193792D	027680	2	39	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193794S	027780	2	36	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193795Y	027810	2	33	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
197475M	27880	2	93	28	6400	10	0.4	3.1	1.8	2.0	0.3	4.8	45.0	7400	11	0.5	2.4	1.5	1.7	0.2	3.2	-0.4	NO
193805C	027990	2	41	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
197476U	028090	2	47	28	6400	10	0.4	3.1	1.8	1.0	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.9	0.1	3.2	-0.4	NO
197477B	028150	2	27	28	6400	10	0.4	3.1	1.8	0.6	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.4	NO
193806J	028200	2	43	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.4	NO
193807R	028300	2	42	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.4	NO
193808X	028410	2	31	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
197424C	028490	2	5	28	6400	10	0.4	3.1	1.8	0.1	0.0	4.8	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.4	NO
197425J	028510	2	139	28	6400	10	0.4	3.1	1.8	3.0	0.4	4.8	45.0	7400	11	0.5	2.4	1.5	2.5	0.3	3.2	-0.4	NO
Segment 7 Arlington to Brookings MP 290.9 to 308.3																						
197446C	029960	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197447J	030170	2	17	20	6400	8	0.3	4.1	2.4	0.4	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.9	NO
197448R	030280	2	170	20	6400	8	0.3	4.1	2.4	3.9	0.7	6.5	45.0	7400	11	0.5	2.4	1.5	3.1	0.4	3.2	-0.9	NO
197449X	030380	2	25	20	6400	8	0.3	4.1	2.4	0.6	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197450S	030480	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197502G	030680	2	20	20	6400	8	0.3	4.1	2.4	0.5	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.9	NO
197503N	030730	2	15	20	6400	8	0.3	4.1	2.4	0.3	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.9	NO
197451Y	030800	4	1536	20	6400	8	0.3	4.1	2.4	35.3	3.2	6.5	45.0	7400	11	0.5	2.4	1.5	27.8	1.8	3.2	-0.9	NO
197452F	30820	2	630	20	6400	8	0.3	4.1	2.4	14.5	2.6	6.5	45.0	7400	11	0.5	2.4	1.5	11.4	1.5	3.2	-0.9	NO
Segment 8 Huron to Arlington MP 308.3 to 322.8																						
197453M	030835	2	300	21	6400	6	0.3	4.0	2.3	5.0	1.2	4.5	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.8	NO
197454U	030840	2	430	21	6400	6	0.3	4.0	2.3	7.1	1.7	4.5	45.0	7400	11	0.5	2.4	1.5	7.8	1.0	3.2	-0.8	NO
197504V	030940	2	43	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197505C	031060	2	74	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.3	0.2	3.2	-0.8	NO
197507R	031160	2	20	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.8	NO
197508X	031260	2	245	21	6400	6	0.3	4.0	2.3	4.0	1.0	4.5	45.0	7400	11	0.5	2.4	1.5	4.4	0.6	3.2	-0.8	NO
197509E	031390	2	118	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.8	NO
197510Y	031470	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197514B	031670	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197519K	032070	2	408	21	6400	6	0.3	4.0	2.3	6.7	1.6	4.5	45.0	7400	11	0.5	2.4	1.5	7.4	1.0	3.2	-0.8	NO
197520E	032090	2	89	21	6400	6	0.3	4.0	2.3	1.5	0.4	4.5	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-0.8	NO
197521L	032100	2	2496	21	6400	6	0.3	4.0	2.3	41.2	9.9	4.5	45.0	7400	11	0.5	2.4	1.5	45.2	5.9	3.2	-0.8	NO
197522T	032110	2	86	21	6400	6	0.3	4.0	2.3	1.4	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-0.8	NO
197523A	032170	2	225	21	6400	6	0.3	4.0	2.3	3.7	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	4.1	0.5	3.2	-0.8	NO
197679Y	032370	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197680T	032480	2	3	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197681A	032580	2	75	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.4	0.2	3.2	-0.8	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 7,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
197683N	032680	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197684V	032780	2	27	21	6400	6	0.3	4.0	2.3	0.4	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.8	NO
197685C	032930	2	115	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.8	NO
197456H	032970	2	390	21	6400	6	0.3	4.0	2.3	6.4	1.5	4.5	45.0	7400	11	0.5	2.4	1.5	7.1	0.9	3.2	-0.8	NO
197457P	032980	2	3063	21	6400	6	0.3	4.0	2.3	50.6	12.1	4.5	45.0	7400	11	0.5	2.4	1.5	55.4	7.3	3.2	-0.8	NO
197458W	032990	2	186	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	7400	11	0.5	2.4	1.5	3.4	0.4	3.2	-0.8	NO
197459D	033000	2	130	21	6400	6	0.3	4.0	2.3	2.1	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.4	0.3	3.2	-0.8	NO
197686J	033040	2	610	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	7400	11	0.5	2.4	1.5	11.0	1.4	3.2	-0.8	NO
197687R	033080	2	33	21	6400	6	0.3	4.0	2.3	0.5	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197690Y	033290	2	2	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.8	NO
197460X	033390	2	36	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197461E	33490	1	10	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197462L	033590	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197464A	033700	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197465G	033800	2	215	21	6400	6	0.3	4.0	2.3	3.6	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	3.9	0.5	3.2	-0.8	NO
197466N	033840	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197467V	033890	2	17	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197469J	34000	1	62	21	6400	6	0.3	4.0	2.3	1.0	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	1.1	0.3	3.2	-0.8	NO
197470D	034100	2	62	21	6400	6	0.3	4.0	2.3	1.0	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	1.1	0.1	3.2	-0.8	NO
197691F	34200	1	8	21	6400	6	0.3	4.0	2.3	0.1	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197692M	034300	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197694B	34390	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197696P	34420	2	1285	21	6400	6	0.3	4.0	2.3	21.2	5.1	4.5	45.0	7400	11	0.5	2.4	1.5	23.3	3.0	3.2	-0.8	NO
197697W	34460	2	613	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	7400	11	0.5	2.4	1.5	11.1	1.5	3.2	-0.8	NO
197698D	34470	2	230	21	6400	6	0.3	4.0	2.3	3.8	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	4.2	0.5	3.2	-0.8	NO
197471K	034490	2	157	21	6400	6	0.3	4.0	2.3	2.6	0.6	4.5	45.0	7400	11	0.5	2.4	1.5	2.8	0.4	3.2	-0.8	NO
197473Y	034690	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197474F	034790	2	42	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197455B	034890	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197887A	034990	2	95	21	6400	6	0.3	4.0	2.3	1.6	0.4	4.5	45.0	7400	11	0.5	2.4	1.5	1.7	0.2	3.2	-0.8	NO
197701J	35080	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197702R	35180	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197703X	35280	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197704E	035380	2	188	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	7400	11	0.5	2.4	1.5	3.4	0.4	3.2	-0.8	NO
197706T	035480	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197707A	35580	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197708G	035680	2	37	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197710H	035780	2	44	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197711P	035880	2	40	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197891P	035980	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197890H	036080	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
189696U	36220	2	545	21	6400	6	0.3	4.0	2.3	9.0	2.2	4.5	45.0	7400	11	0.5	2.4	1.5	9.9	1.3	3.2	-0.8	NO
189698H	36280	4	11030	21	6400	6	0.3	4.0	2.3	182.1	21.9	4.5	45.0	7400	11	0.5	2.4	1.5	199.6	13.1	3.2	-0.8	NO
Segment 9 Wolsey to Huron MP 362.6 to 574.1																							
189701N	36380	2	5290	34	6400	6	0.3	2.6	1.6	58.2	14.0	2.1	45.0	7400	11	0.5	2.4	1.5	95.7	12.5	3.2	-0.1	NO
189702V	036470	4	2137	34	6400	6	0.3	2.6	1.6	23.5	2.8	2.1	45.0	7400	11	0.5	2.4	1.5	38.7	2.5	3.2	-0.1	NO
189703C	36480	2	125	34	6400	6	0.3	2.6	1.6	1.4	0.3	2.1	45.0	7400	11	0.5	2.4	1.5	2.3	0.3	3.2	-0.1	NO
189704J	36590	2	40	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.1	NO
189705R	36690	1	29	34	6400	6	0.3	2.6	1.6	0.3	0.2	2.1	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.1	NO
189706X	036800	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.1	NO
189707E	36900	2	305	34	6400	6	0.3	2.6	1.6	3.4	0.8	2.1	45.0	7400	11	0.5	2.4	1.5	5.5	0.7	3.2	-0.1	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
189708L	37000	2	35	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.1	NO
189710M	37100	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.1	NO
189712B	37320	2	19	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.1	NO
189713H	37480	1	3	34	6400	6	0.3	2.6	1.6	0.0	0.0	2.1	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.1	NO
Segment 10 Midland to Wolsey MP 376.1 to 533.2																						
189716D	37620	2	2671	30	6400	4	0.2	2.9	1.8	21.7	7.8	1.7	40.0	7400	11	0.5	2.6	1.6	53.1	7.0	3.8	-0.2	NO
189717K	37630	1	200	30	6400	4	0.2	2.9	1.8	1.6	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	3.6	0.9	3.2	-0.3	NO
189718S	37730	1	27	30	6400	4	0.2	2.9	1.8	0.2	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189720T	37930	1	24	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189722G	38040	2	15	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.3	NO
189724V	38140	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189726J	038350	1	12	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.1	3.2	-0.3	NO
189728X	38550	2	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.3	NO
189730Y	38650	2	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189731F	038750	2	952	30	6400	4	0.2	2.9	1.8	7.7	2.8	1.7	45.0	7400	11	0.5	2.4	1.5	17.2	2.3	3.2	-0.3	NO
189732M	38770	2	464	30	6400	4	0.2	2.9	1.8	3.8	1.4	1.7	45.0	7400	11	0.5	2.4	1.5	8.4	1.1	3.2	-0.3	NO
189734B	38880	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189736P	39000	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189738D	39110	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189740E	39220	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189742T	39340	2	120	30	6400	4	0.2	2.9	1.8	1.0	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.2	0.3	3.2	-0.3	NO
189744G	039560	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189746V	039670	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189747C	39760	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189748J	39860	1	4	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189749R	39960	2	115	30	6400	4	0.2	2.9	1.8	0.9	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.3	NO
189751S	40030	2	164	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	7400	11	0.5	2.4	1.5	3.0	0.4	3.2	-0.3	NO
189752Y	040040	2	166	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	7400	11	0.5	2.4	1.5	3.0	0.4	3.2	-0.3	NO
189754M	40160	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189755U	40260	2	400	30	6400	4	0.2	2.9	1.8	3.2	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	7.2	0.9	3.2	-0.3	NO
189756B	040290	2	2505	30	6400	4	0.2	2.9	1.8	20.3	7.3	1.7	45.0	7400	11	0.5	2.4	1.5	45.3	5.9	3.2	-0.3	NO
189757H	40310	1	204	30	6400	4	0.2	2.9	1.8	1.7	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	3.7	1.0	3.2	-0.3	NO
189758P	40360	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189759W	40460	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189760R	40560	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189761X	40660	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189762E	40750	1	49	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	0.9	0.2	3.2	-0.3	NO
189763L	40860	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189765A	41060	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189767N	41260	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189768V	41330	2	508	30	6400	4	0.2	2.9	1.8	4.1	1.5	1.7	45.0	7400	11	0.5	2.4	1.5	9.2	1.2	3.2	-0.3	NO
189769C	041360	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189770W	41550	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189771D	041660	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189772K	041830	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189775F	42120	9	115	30	6400	4	0.2	2.9	1.8	0.9	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	2.1	0.1	3.2	-0.3	NO
189776M	042230	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189780C	42420	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189781J	042500	2	272	30	6400	4	0.2	2.9	1.8	2.2	0.8	1.7	45.0	7400	11	0.5	2.4	1.5	4.9	0.6	3.2	-0.3	NO
189782R	42520	2	1543	30	6400	4	0.2	2.9	1.8	12.5	4.5	1.7	45.0	7400	11	0.5	2.4	1.5	27.9	3.7	3.2	-0.3	NO
189784E	42620	1	8	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO

Pre/Post-Construction Delays
South Dakota-20 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction									Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
189786T	42820	2	6	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189787A	42920	2	36	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.3	NO
189789N	43120	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189791P	43290	1	21	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189792W	043320	2	80	30	6400	4	0.2	2.9	1.8	0.6	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.4	0.2	3.2	-0.3	NO
189793D	43420	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189795S	43520	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189797F	043620	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189799U	043820	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189800L	043920	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189801T	43990	2	300	30	6400	4	0.2	2.9	1.8	2.4	0.9	1.7	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.3	NO
189802A	044020	2	145	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.6	0.3	3.2	-0.3	NO
189805V	44320	1	35	30	6400	4	0.2	2.9	1.8	0.3	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	0.6	0.2	3.2	-0.3	NO
189809X	044720	2	35	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.3	NO
189810S	44920	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189812F	45130	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189813M	45220	2	9	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189816H	045330	2	153	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.8	0.4	3.2	-0.3	NO
189822L	046110	2	82	30	6400	4	0.2	2.9	1.8	0.7	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.5	0.2	3.2	-0.3	NO
189870B	048940	1	15	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189889T	050300	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189902E	51320	2	62	30	6400	4	0.2	2.9	1.8	0.5	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.1	0.1	3.2	-0.3	NO
189908V	052020	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189914Y	52290	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189929N	53300	1	55	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	1.0	0.3	3.2	-0.3	NO
189930H	53320	1	56	30	6400	4	0.2	2.9	1.8	0.5	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	1.0	0.3	3.2	-0.3	NO
Segment 11 Wasta to Midland MP 533.2 to 605																							
189931P	53340	1	228	10	6400	2	0.1	7.8	4.2	2.5	3.5	5.4	45.0	7400	11	0.5	2.4	1.5	4.1	1.1	3.2	-2.7	NO
189932W	53360	2	280	10	6400	2	0.1	7.8	4.2	3.0	2.2	5.4	45.0	7400	11	0.5	2.4	1.5	5.1	0.7	3.2	-2.7	NO
189989X	55950	1	75	10	6400	2	0.1	7.8	4.2	0.8	1.2	5.4	45.0	7400	11	0.5	2.4	1.5	1.4	0.4	3.2	-2.7	NO
190010C	55970	2	615	10	6400	2	0.1	7.8	4.2	6.6	4.8	5.4	45.0	7400	11	0.5	2.4	1.5	11.1	1.5	3.2	-2.7	NO
190501B	56170	2	50	10	6400	2	0.1	7.8	4.2	0.5	0.4	5.4	45.0	7400	11	0.5	2.4	1.5	0.9	0.1	3.2	-2.7	NO
190025S	57130	1	15	10	6400	2	0.1	7.8	4.2	0.2	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-2.7	NO
190026Y	57180	2	1020	10	6400	2	0.1	7.8	4.2	11.0	7.9	5.4	45.0	7400	11	0.5	2.4	1.5	18.5	2.4	3.2	-2.7	NO
190027F	57320	1	59	10	6400	2	0.1	7.8	4.2	0.6	0.9	5.4	45.0	7400	11	0.5	2.4	1.5	1.1	0.3	3.2	-2.7	NO
190028M	57350	2	26	10	6400	2	0.1	7.8	4.2	0.3	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-2.7	NO
190032C	57520	1	41	10	6400	2	0.1	7.8	4.2	0.4	0.6	5.4	45.0	7400	11	0.5	2.4	1.5	0.7	0.2	3.2	-2.7	NO
190034R	057730	1	12	10	6400	2	0.1	7.8	4.2	0.1	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.2	0.1	3.2	-2.7	NO
190039A	58309	1	6	10	6400	2	0.1	7.8	4.2	0.1	0.1	5.4	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-2.7	NO
190044W	58470	2	87	10	6400	2	0.1	7.8	4.2	0.9	0.7	5.4	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-2.7	NO
190049F	059020	2	19	10	6400	2	0.1	7.8	4.2	0.2	0.1	5.4	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-2.7	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 6,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
Segment 6 Brookings to Tracy MP 226.6 to 290.0																						
193785T	27360	2	40	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193786A	027440	2	1400	28	6400	10	0.4	3.1	1.8	30.1	4.3	4.8	45.0	6400	11	0.5	2.1	1.4	22.6	3.0	2.6	-0.5	NO
193787G	027460	2	250	28	6400	10	0.4	3.1	1.8	5.4	0.8	4.8	45.0	6400	11	0.5	2.1	1.4	4.0	0.5	2.6	-0.5	NO
193788N	027470	2	300	28	6400	10	0.4	3.1	1.8	6.5	0.9	4.8	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.5	NO
193789V	027480	2	642	28	6400	10	0.4	3.1	1.8	13.8	2.0	4.8	45.0	6400	11	0.5	2.1	1.4	10.4	1.4	2.6	-0.5	NO
193791W	027570	2	35	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193792D	027680	2	39	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193794S	027780	2	36	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193795Y	027810	2	33	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.5	NO
197475M	27880	2	93	28	6400	10	0.4	3.1	1.8	2.0	0.3	4.8	45.0	6400	11	0.5	2.1	1.4	1.5	0.2	2.6	-0.5	NO
193805C	027990	2	41	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
197476U	028090	2	47	28	6400	10	0.4	3.1	1.8	1.0	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.8	0.1	2.6	-0.5	NO
197477B	028150	2	27	28	6400	10	0.4	3.1	1.8	0.6	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.5	NO
193806J	028200	2	43	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
193807R	028300	2	42	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
193808X	028410	2	31	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.5	NO
197424C	028490	2	5	28	6400	10	0.4	3.1	1.8	0.1	0.0	4.8	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.5	NO
197425J	028510	2	139	28	6400	10	0.4	3.1	1.8	3.0	0.4	4.8	45.0	6400	11	0.5	2.1	1.4	2.2	0.3	2.6	-0.5	NO
Segment 7 Arlington to Brookings MP 290.9 to 308.3																						
197446C	029960	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-1.0	NO
197447J	030170	1	17	20	6400	8	0.3	4.1	2.4	0.4	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-1.0	NO
197448R	030280	2	170	20	6400	8	0.3	4.1	2.4	3.9	0.7	6.5	45.0	6400	11	0.5	2.1	1.4	2.7	0.4	2.6	-1.0	NO
197449X	030380	2	25	20	6400	8	0.3	4.1	2.4	0.6	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-1.0	NO
197450S	030480	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-1.0	NO
197502G	030680	2	20	20	6400	8	0.3	4.1	2.4	0.5	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-1.0	NO
197503N	030730	2	15	20	6400	8	0.3	4.1	2.4	0.3	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-1.0	NO
197451Y	030800	4	1536	20	6400	8	0.3	4.1	2.4	35.3	3.2	6.5	45.0	6400	11	0.5	2.1	1.4	24.8	1.6	2.6	-1.0	NO
197452F	30820	2	630	20	6400	8	0.3	4.1	2.4	14.5	2.6	6.5	45.0	6400	11	0.5	2.1	1.4	10.2	1.3	2.6	-1.0	NO
Segment 8 Huron to Arlington MP 308.3 to 342.8																						
197453M	030835	2	300	21	6400	6	0.3	4.0	2.3	5.0	1.2	4.5	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.9	NO
197454U	030840	2	430	21	6400	6	0.3	4.0	2.3	7.1	1.7	4.5	45.0	6400	11	0.5	2.1	1.4	7.0	0.9	2.6	-0.9	NO
197504V	030940	2	43	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197505C	031060	2	74	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.2	0.2	2.6	-0.9	NO
197507R	031160	2	20	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197508X	031260	2	245	21	6400	6	0.3	4.0	2.3	4.0	1.0	4.5	45.0	6400	11	0.5	2.1	1.4	4.0	0.5	2.6	-0.9	NO
197509E	031390	2	118	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.9	NO
197510Y	031470	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197514B	031670	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197519K	032070	2	408	21	6400	6	0.3	4.0	2.3	6.7	1.6	4.5	45.0	6400	11	0.5	2.1	1.4	6.6	0.9	2.6	-0.9	NO
197520E	032090	2	89	21	6400	6	0.3	4.0	2.3	1.5	0.4	4.5	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-0.9	NO
197521L	032100	2	2496	21	6400	6	0.3	4.0	2.3	41.2	9.9	4.5	45.0	6400	11	0.5	2.1	1.4	40.3	5.3	2.6	-0.9	NO
197522T	032110	2	86	21	6400	6	0.3	4.0	2.3	1.4	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-0.9	NO
197523A	032170	2	225	21	6400	6	0.3	4.0	2.3	3.7	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.6	0.5	2.6	-0.9	NO
197679Y	032370	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197680T	032480	2	3	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.9	NO
197681A	032580	2	75	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.2	0.2	2.6	-0.9	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 6,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
197683N	032680	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197684V	032780	2	27	21	6400	6	0.3	4.0	2.3	0.4	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.9	NO
197685C	032930	2	115	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.9	NO
197456H	032970	2	390	21	6400	6	0.3	4.0	2.3	6.4	1.5	4.5	45.0	6400	11	0.5	2.1	1.4	6.3	0.8	2.6	-0.9	NO
197457P	032980	2	3063	21	6400	6	0.3	4.0	2.3	50.6	12.1	4.5	45.0	6400	11	0.5	2.1	1.4	49.5	6.5	2.6	-0.9	NO
197458W	032990	2	186	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	6400	11	0.5	2.1	1.4	3.0	0.4	2.6	-0.9	NO
197459D	033000	2	130	21	6400	6	0.3	4.0	2.3	2.1	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	2.1	0.3	2.6	-0.9	NO
197686J	033040	2	610	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-0.9	NO
197687R	033080	2	33	21	6400	6	0.3	4.0	2.3	0.5	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.9	NO
197690Y	033290	2	2	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.9	NO
197460X	033390	2	36	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197461E	33490	1	10	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197462L	033590	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197464A	033700	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197465G	033800	2	215	21	6400	6	0.3	4.0	2.3	3.6	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.5	0.5	2.6	-0.9	NO
197466N	033840	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197467V	033890	2	17	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197469J	34000	1	62	21	6400	6	0.3	4.0	2.3	1.0	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.0	0.3	2.6	-0.9	NO
197470D	034100	2	62	21	6400	6	0.3	4.0	2.3	1.0	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	1.0	0.1	2.6	-0.9	NO
197691F	34200	1	8	21	6400	6	0.3	4.0	2.3	0.1	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197692M	034300	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197694B	34390	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197696P	34420	2	1285	21	6400	6	0.3	4.0	2.3	21.2	5.1	4.5	45.0	6400	11	0.5	2.1	1.4	20.8	2.7	2.6	-0.9	NO
197697W	34460	2	613	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-0.9	NO
197698D	34470	2	230	21	6400	6	0.3	4.0	2.3	3.8	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.7	0.5	2.6	-0.9	NO
197471K	034490	2	157	21	6400	6	0.3	4.0	2.3	2.6	0.6	4.5	45.0	6400	11	0.5	2.1	1.4	2.5	0.3	2.6	-0.9	NO
197473Y	034690	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197474F	034790	2	42	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197455B	034890	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197887A	034990	2	95	21	6400	6	0.3	4.0	2.3	1.6	0.4	4.5	45.0	6400	11	0.5	2.1	1.4	1.5	0.2	2.6	-0.9	NO
197701J	35080	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197702R	35180	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197703X	35280	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197704E	035380	2	188	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	6400	11	0.5	2.1	1.4	3.0	0.4	2.6	-0.9	NO
197706T	035480	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197707A	35580	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197708G	035680	2	37	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197710H	035780	2	44	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197711P	035880	2	40	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197891P	035980	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197890H	036080	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
189696U	36220	2	545	21	6400	6	0.3	4.0	2.3	9.0	2.2	4.5	45.0	6400	11	0.5	2.1	1.4	8.8	1.2	2.6	-0.9	NO
189698H	36280	4	11030	21	6400	6	0.3	4.0	2.3	182.1	21.9	4.5	45.0	6400	11	0.5	2.1	1.4	178.3	11.7	2.6	-0.9	NO
Segment 9 Wolsey to Huron MP 362.6 to 376.1																							
189701N	36380	2	5290	34	6400	6	0.3	2.6	1.6	58.2	14.0	2.1	45.0	6400	11	0.5	2.1	1.4	85.5	11.2	2.6	-0.3	NO
189702V	036470	4	2137	34	6400	6	0.3	2.6	1.6	23.5	2.8	2.1	45.0	6400	11	0.5	2.1	1.4	34.5	2.3	2.6	-0.3	NO
189703C	36480	2	125	34	6400	6	0.3	2.6	1.6	1.4	0.3	2.1	45.0	6400	11	0.5	2.1	1.4	2.0	0.3	2.6	-0.3	NO
189704J	36590	2	40	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.3	NO
189705R	36690	1	29	34	6400	6	0.3	2.6	1.6	0.3	0.2	2.1	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.3	NO
189706X	036800	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.3	NO
189707E	36900	2	305	34	6400	6	0.3	2.6	1.6	3.4	0.8	2.1	45.0	6400	11	0.5	2.1	1.4	4.9	0.6	2.6	-0.3	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 6,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
189708L	37000	2	35	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.3	NO
189710M	37100	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.3	NO
189712B	37320	2	19	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.3	NO
189713H	37480	1	3	34	6400	6	0.3	2.6	1.6	0.0	0.0	2.1	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.3	NO
Segment 10 Midland to Wasay MP 376.1 to 533.2																						
189716D	37620	2	2671	30	6400	4	0.2	2.9	1.8	21.7	7.8	1.7	40.0	6400	11	0.5	2.3	1.5	47.3	6.2	3.1	-0.3	NO
189717K	37630	1	200	30	6400	4	0.2	2.9	1.8	1.6	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	3.2	0.8	2.6	-0.4	NO
189718S	37730	1	27	30	6400	4	0.2	2.9	1.8	0.2	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189720T	37930	1	24	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189722G	38040	2	15	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189724V	38140	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189726J	038350	1	12	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189728X	38550	2	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.4	NO
189730Y	38650	2	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189731F	038750	2	952	30	6400	4	0.2	2.9	1.8	7.7	2.8	1.7	45.0	6400	11	0.5	2.1	1.4	15.4	2.0	2.6	-0.4	NO
189732M	38770	2	464	30	6400	4	0.2	2.9	1.8	3.8	1.4	1.7	45.0	6400	11	0.5	2.1	1.4	7.5	1.0	2.6	-0.4	NO
189734B	38880	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189736P	39000	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189738D	39110	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189740E	39220	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189742T	39340	2	120	30	6400	4	0.2	2.9	1.8	1.0	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.3	2.6	-0.4	NO
189744G	039560	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189746V	039670	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189747C	39760	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189748J	39860	1	4	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189749R	39960	2	115	30	6400	4	0.2	2.9	1.8	0.9	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.4	NO
189751S	40030	2	164	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	6400	11	0.5	2.1	1.4	2.7	0.3	2.6	-0.4	NO
189752Y	040040	2	166	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	6400	11	0.5	2.1	1.4	2.7	0.4	2.6	-0.4	NO
189754M	40160	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189755U	40260	2	400	30	6400	4	0.2	2.9	1.8	3.2	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	6.5	0.8	2.6	-0.4	NO
189756B	040290	2	2505	30	6400	4	0.2	2.9	1.8	20.3	7.3	1.7	45.0	6400	11	0.5	2.1	1.4	40.5	5.3	2.6	-0.4	NO
189757H	40310	1	204	30	6400	4	0.2	2.9	1.8	1.7	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	3.3	0.9	2.6	-0.4	NO
189758P	40360	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189759W	40460	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189760R	40560	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189761X	40660	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189762E	40750	1	49	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.8	0.2	2.6	-0.4	NO
189763L	40860	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189765A	41060	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189767N	41260	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189768V	41330	2	508	30	6400	4	0.2	2.9	1.8	4.1	1.5	1.7	45.0	6400	11	0.5	2.1	1.4	8.2	1.1	2.6	-0.4	NO
189769C	041360	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189770W	41550	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189771D	041660	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189772K	041830	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189775F	42120	9	115	30	6400	4	0.2	2.9	1.8	0.9	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.1	2.6	-0.4	NO
189776M	042230	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189780C	42420	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189781J	042500	2	272	30	6400	4	0.2	2.9	1.8	2.2	0.8	1.7	45.0	6400	11	0.5	2.1	1.4	4.4	0.6	2.6	-0.4	NO
189782R	42520	2	1543	30	6400	4	0.2	2.9	1.8	12.5	4.5	1.7	45.0	6400	11	0.5	2.1	1.4	24.9	3.3	2.6	-0.4	NO
189784E	42620	1	8	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 6,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
189786T	42820	2	6	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189787A	42920	2	36	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189789N	43120	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189791P	43290	1	21	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189792W	043320	2	80	30	6400	4	0.2	2.9	1.8	0.6	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.3	0.2	2.6	-0.4	NO
189793D	43420	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189795S	43520	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189797F	043620	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189799U	043820	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189800L	043920	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189801T	43990	2	300	30	6400	4	0.2	2.9	1.8	2.4	0.9	1.7	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.4	NO
189802A	044020	2	145	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	2.3	0.3	2.6	-0.4	NO
189805V	44320	1	35	30	6400	4	0.2	2.9	1.8	0.3	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189809X	044720	2	35	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189810S	44920	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189812F	45130	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189813M	45220	2	9	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189816H	045330	2	153	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	2.5	0.3	2.6	-0.4	NO
189822L	046110	2	82	30	6400	4	0.2	2.9	1.8	0.7	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.3	0.2	2.6	-0.4	NO
189870B	048940	1	15	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189889T	050300	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189902E	51320	2	62	30	6400	4	0.2	2.9	1.8	0.5	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.0	0.1	2.6	-0.4	NO
189908V	052020	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189914Y	52290	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189929N	53300	1	55	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.9	0.2	2.6	-0.4	NO
189930H	53320	1	56	30	6400	4	0.2	2.9	1.8	0.5	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.9	0.2	2.6	-0.4	NO
Segment 11 Wasta to Midland MP 533.2 to 606																							
189931P	53340	1	228	10	6400	2	0.1	7.8	4.2	2.5	3.5	5.4	45.0	6400	11	0.5	2.1	1.4	3.7	1.0	2.6	-2.8	NO
189932W	53360	2	280	10	6400	2	0.1	7.8	4.2	3.0	2.2	5.4	45.0	6400	11	0.5	2.1	1.4	4.5	0.6	2.6	-2.8	NO
189989X	55950	1	75	10	6400	2	0.1	7.8	4.2	0.8	1.2	5.4	45.0	6400	11	0.5	2.1	1.4	1.2	0.3	2.6	-2.8	NO
190010C	55970	2	615	10	6400	2	0.1	7.8	4.2	6.6	4.8	5.4	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-2.8	NO
190501B	56170	2	50	10	6400	2	0.1	7.8	4.2	0.5	0.4	5.4	45.0	6400	11	0.5	2.1	1.4	0.8	0.1	2.6	-2.8	NO
190025S	57130	1	15	10	6400	2	0.1	7.8	4.2	0.2	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-2.8	NO
190026Y	57180	2	1020	10	6400	2	0.1	7.8	4.2	11.0	7.9	5.4	45.0	6400	11	0.5	2.1	1.4	16.5	2.2	2.6	-2.8	NO
190027F	57320	1	59	10	6400	2	0.1	7.8	4.2	0.6	0.9	5.4	45.0	6400	11	0.5	2.1	1.4	1.0	0.2	2.6	-2.8	NO
190028M	57350	2	26	10	6400	2	0.1	7.8	4.2	0.3	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-2.8	NO
190032C	57520	1	41	10	6400	2	0.1	7.8	4.2	0.4	0.6	5.4	45.0	6400	11	0.5	2.1	1.4	0.7	0.2	2.6	-2.8	NO
190034R	057730	1	12	10	6400	2	0.1	7.8	4.2	0.1	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-2.8	NO
190039A	58309	1	6	10	6400	2	0.1	7.8	4.2	0.1	0.1	5.4	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-2.8	NO
190044W	58470	2	87	10	6400	2	0.1	7.8	4.2	0.9	0.7	5.4	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-2.8	NO
190049F	059020	2	19	10	6400	2	0.1	7.8	4.2	0.2	0.1	5.4	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-2.8	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
Segment 6 Brookings to Tracy MP 226.4 to 290.0																						
193785T	027360	2	40	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193786A	027440	2	1400	28	6400	10	0.4	3.1	1.8	30.1	4.3	4.8	45.0	7400	11	0.5	2.4	1.5	25.3	3.3	3.2	-0.4	NO
193787G	027460	2	250	28	6400	10	0.4	3.1	1.8	5.4	0.8	4.8	45.0	7400	11	0.5	2.4	1.5	4.5	0.6	3.2	-0.4	NO
193788N	027470	2	300	28	6400	10	0.4	3.1	1.8	6.5	0.9	4.8	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.4	NO
193789V	027480	2	642	28	6400	10	0.4	3.1	1.8	13.8	2.0	4.8	45.0	7400	11	0.5	2.4	1.5	11.6	1.5	3.2	-0.4	NO
193791W	027570	2	35	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
193792D	027680	2	39	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193794S	027780	2	36	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193795Y	027810	2	33	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
197475M	27880	2	93	28	6400	10	0.4	3.1	1.8	2.0	0.3	4.8	45.0	7400	11	0.5	2.4	1.5	1.7	0.2	3.2	-0.4	NO
193805C	027990	2	41	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
197476U	028090	2	47	28	6400	10	0.4	3.1	1.8	1.0	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.9	0.1	3.2	-0.4	NO
197477B	028150	2	27	28	6400	10	0.4	3.1	1.8	0.6	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.4	NO
193806J	028200	2	43	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.4	NO
193807R	028300	2	42	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.4	NO
193808X	028410	2	31	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
197424C	028490	2	5	28	6400	10	0.4	3.1	1.8	0.1	0.0	4.8	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.4	NO
197425J	028510	2	139	28	6400	10	0.4	3.1	1.8	3.0	0.4	4.8	45.0	7400	11	0.5	2.4	1.5	2.5	0.3	3.2	-0.4	NO
Segment 7 Arlington to Brookings MP 290.9 to 308.3																						
197446C	029960	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197447J	030170	2	17	20	6400	8	0.3	4.1	2.4	0.4	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.9	NO
197448R	030280	2	170	20	6400	8	0.3	4.1	2.4	3.9	0.7	6.5	45.0	7400	11	0.5	2.4	1.5	3.1	0.4	3.2	-0.9	NO
197449X	030380	2	25	20	6400	8	0.3	4.1	2.4	0.6	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197450S	030480	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197502G	030680	2	20	20	6400	8	0.3	4.1	2.4	0.5	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.9	NO
197503N	030730	2	15	20	6400	8	0.3	4.1	2.4	0.3	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.9	NO
197451Y	030800	4	1536	20	6400	8	0.3	4.1	2.4	35.3	3.2	6.5	45.0	7400	11	0.5	2.4	1.5	27.8	1.8	3.2	-0.9	NO
197452F	30820	2	630	20	6400	8	0.3	4.1	2.4	14.5	2.6	6.5	45.0	7400	11	0.5	2.4	1.5	11.4	1.5	3.2	-0.9	NO
Segment 8 Huron to Arlington MP 308.3 to 342.8																						
197453M	030835	2	300	21	6400	6	0.3	4.0	2.3	5.0	1.2	4.5	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.8	NO
197454U	030840	2	430	21	6400	6	0.3	4.0	2.3	7.1	1.7	4.5	45.0	7400	11	0.5	2.4	1.5	7.8	1.0	3.2	-0.8	NO
197504V	030940	2	43	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197505C	031060	2	74	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.3	0.2	3.2	-0.8	NO
197507R	031160	2	20	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.8	NO
197508X	031260	2	245	21	6400	6	0.3	4.0	2.3	4.0	1.0	4.5	45.0	7400	11	0.5	2.4	1.5	4.4	0.6	3.2	-0.8	NO
197509E	031390	2	118	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.8	NO
197510Y	031470	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197514B	031670	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197519K	032070	2	408	21	6400	6	0.3	4.0	2.3	6.7	1.6	4.5	45.0	7400	11	0.5	2.4	1.5	7.4	1.0	3.2	-0.8	NO
197520E	032090	2	89	21	6400	6	0.3	4.0	2.3	1.5	0.4	4.5	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-0.8	NO
197521L	032100	2	2496	21	6400	6	0.3	4.0	2.3	41.2	9.9	4.5	45.0	7400	11	0.5	2.4	1.5	45.2	5.9	3.2	-0.8	NO
197522T	032110	2	86	21	6400	6	0.3	4.0	2.3	1.4	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-0.8	NO
197523A	032170	2	225	21	6400	6	0.3	4.0	2.3	3.7	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	4.1	0.5	3.2	-0.8	NO
197679Y	032370	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197680T	032480	2	3	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197681A	032580	2	75	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.4	0.2	3.2	-0.8	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 7,400 Feet
Alternative C

				Pre-Construction									Post-Construction										
						Trains Per									Trains Per									
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
197683N	032680	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197684V	032780	2	27	21	6400	6	0.3	4.0	2.3	0.4	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.8	NO
197685C	032930	2	115	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.8	NO
197456H	032970	2	390	21	6400	6	0.3	4.0	2.3	6.4	1.5	4.5	45.0	7400	11	0.5	2.4	1.5	7.1	0.9	3.2	-0.8	NO
197457P	032980	2	3063	21	6400	6	0.3	4.0	2.3	50.6	12.1	4.5	45.0	7400	11	0.5	2.4	1.5	55.4	7.3	3.2	-0.8	NO
197458W	032990	2	186	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	7400	11	0.5	2.4	1.5	3.4	0.4	3.2	-0.8	NO
197459D	033000	2	130	21	6400	6	0.3	4.0	2.3	2.1	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.4	0.3	3.2	-0.8	NO
197686J	033040	2	610	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	7400	11	0.5	2.4	1.5	11.0	1.4	3.2	-0.8	NO
197687R	033080	2	33	21	6400	6	0.3	4.0	2.3	0.5	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197690Y	033290	2	2	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.8	NO
197460X	033390	2	36	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197461E	33490	1	10	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197462L	033590	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197464A	033700	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197465G	033800	2	215	21	6400	6	0.3	4.0	2.3	3.6	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	3.9	0.5	3.2	-0.8	NO
197466N	033840	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197467V	033890	2	17	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197469J	34000	1	62	21	6400	6	0.3	4.0	2.3	1.0	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	1.1	0.3	3.2	-0.8	NO
197470D	034100	2	62	21	6400	6	0.3	4.0	2.3	1.0	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	1.1	0.1	3.2	-0.8	NO
197691F	34200	1	8	21	6400	6	0.3	4.0	2.3	0.1	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197692M	034300	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197694B	34390	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197696P	34420	2	1285	21	6400	6	0.3	4.0	2.3	21.2	5.1	4.5	45.0	7400	11	0.5	2.4	1.5	23.3	3.0	3.2	-0.8	NO
197697W	34460	2	613	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	7400	11	0.5	2.4	1.5	11.1	1.5	3.2	-0.8	NO
197698D	34470	2	230	21	6400	6	0.3	4.0	2.3	3.8	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	4.2	0.5	3.2	-0.8	NO
197471K	034490	2	157	21	6400	6	0.3	4.0	2.3	2.6	0.6	4.5	45.0	7400	11	0.5	2.4	1.5	2.8	0.4	3.2	-0.8	NO
197473Y	034690	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197474F	034790	2	42	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197455B	034890	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197887A	034990	2	95	21	6400	6	0.3	4.0	2.3	1.6	0.4	4.5	45.0	7400	11	0.5	2.4	1.5	1.7	0.2	3.2	-0.8	NO
197701J	35080	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197702R	35180	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197703X	35280	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197704E	035380	2	188	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	7400	11	0.5	2.4	1.5	3.4	0.4	3.2	-0.8	NO
197706T	035480	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197707A	35580	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197708G	035680	2	37	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197710H	035780	2	44	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197711P	035880	2	40	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197891P	035980	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197890H	036080	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
189696U	36220	2	545	21	6400	6	0.3	4.0	2.3	9.0	2.2	4.5	45.0	7400	11	0.5	2.4	1.5	9.9	1.3	3.2	-0.8	NO
189698H	36280	4	11030	21	6400	6	0.3	4.0	2.3	182.1	21.9	4.5	45.0	7400	11	0.5	2.4	1.5	199.6	13.1	3.2	-0.8	NO
Segment 9 Wolsey to Huron MP 302.6 to 376.1																							
189701N	36380	2	5290	34	6400	6	0.3	2.6	1.6	58.2	14.0	2.1	45.0	7400	11	0.5	2.4	1.5	95.7	12.5	3.2	-0.1	NO
189702V	036470	4	2137	34	6400	6	0.3	2.6	1.6	23.5	2.8	2.1	45.0	7400	11	0.5	2.4	1.5	38.7	2.5	3.2	-0.1	NO
189703C	36480	2	125	34	6400	6	0.3	2.6	1.6	1.4	0.3	2.1	45.0	7400	11	0.5	2.4	1.5	2.3	0.3	3.2	-0.1	NO
189704J	36590	2	40	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.1	NO
189705R	36690	1	29	34	6400	6	0.3	2.6	1.6	0.3	0.2	2.1	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.1	NO
189706X	036800	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.1	NO
189707E	36900	2	305	34	6400	6	0.3	2.6	1.6	3.4	0.8	2.1	45.0	7400	11	0.5	2.4	1.5	5.5	0.7	3.2	-0.1	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 7,400 Feet
Alternative C

				Pre-Construction									Post-Construction										
						Trains Per									Trains Per									
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189708L	37000	2	35	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.1	NO
189710M	37100	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.1	NO
189712B	37320	2	19	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.1	NO
189713H	37480	1	3	34	6400	6	0.3	2.6	1.6	0.0	0.0	2.1	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.1	NO
Segment 10 Midland to Wokeny MP 376.1 to 533.2																							
189716D	37620	2	2671	30	6400	4	0.2	2.9	1.8	21.7	7.8	1.7	40.0	7400	11	0.5	2.6	1.6	53.1	7.0	3.8	-0.2	NO
189717K	37630	1	200	30	6400	4	0.2	2.9	1.8	1.6	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	3.6	0.9	3.2	-0.3	NO
189718S	37730	1	27	30	6400	4	0.2	2.9	1.8	0.2	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189720T	37930	1	24	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189722G	38040	2	15	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.3	NO
189724V	38140	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189726J	038350	1	12	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.1	3.2	-0.3	NO
189728X	38550	2	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.3	NO
189730Y	38650	2	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189731F	038750	2	952	30	6400	4	0.2	2.9	1.8	7.7	2.8	1.7	45.0	7400	11	0.5	2.4	1.5	17.2	2.3	3.2	-0.3	NO
189732M	38770	2	464	30	6400	4	0.2	2.9	1.8	3.8	1.4	1.7	45.0	7400	11	0.5	2.4	1.5	8.4	1.1	3.2	-0.3	NO
189734B	38880	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189736P	39000	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189738D	39110	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189740E	39220	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189742T	39340	2	120	30	6400	4	0.2	2.9	1.8	1.0	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.2	0.3	3.2	-0.3	NO
189744G	039560	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189746V	039670	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189747C	39760	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189748J	39860	1	4	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189749R	39960	2	115	30	6400	4	0.2	2.9	1.8	0.9	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.3	NO
189751S	40030	2	164	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	7400	11	0.5	2.4	1.5	3.0	0.4	3.2	-0.3	NO
189752Y	040040	2	166	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	7400	11	0.5	2.4	1.5	3.0	0.4	3.2	-0.3	NO
189754M	40160	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189755U	40260	2	400	30	6400	4	0.2	2.9	1.8	3.2	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	7.2	0.9	3.2	-0.3	NO
189756B	040290	2	2505	30	6400	4	0.2	2.9	1.8	20.3	7.3	1.7	45.0	7400	11	0.5	2.4	1.5	45.3	5.9	3.2	-0.3	NO
189757H	40310	1	204	30	6400	4	0.2	2.9	1.8	1.7	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	3.7	1.0	3.2	-0.3	NO
189758P	40360	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189759W	40460	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189760R	40560	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189761X	40660	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189762E	40750	1	49	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	0.9	0.2	3.2	-0.3	NO
189763L	40860	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189765A	41060	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189767N	41260	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189768V	41330	2	508	30	6400	4	0.2	2.9	1.8	4.1	1.5	1.7	45.0	7400	11	0.5	2.4	1.5	9.2	1.2	3.2	-0.3	NO
189769C	041360	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189770W	41550	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189771D	041660	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189772K	041830	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189775F	42120	9	115	30	6400	4	0.2	2.9	1.8	0.9	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	2.1	0.1	3.2	-0.3	NO
189776M	042230	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189780C	42420	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189781J	042500	2	272	30	6400	4	0.2	2.9	1.8	2.2	0.8	1.7	45.0	7400	11	0.5	2.4	1.5	4.9	0.6	3.2	-0.3	NO
189782R	42520	2	1543	30	6400	4	0.2	2.9	1.8	12.5	4.5	1.7	45.0	7400	11	0.5	2.4	1.5	27.9	3.7	3.2	-0.3	NO
189784E	42620	1	8	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO

Pre/Post-Construction Delays
South Dakota-50 MNT
Train Length = 7,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189786T	42820	2	6	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189787A	42920	2	36	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.3	NO
189789N	43120	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189791P	43290	1	21	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189792W	043320	2	80	30	6400	4	0.2	2.9	1.8	0.6	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.4	0.2	3.2	-0.3	NO
189793D	43420	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189795S	43520	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189797F	043620	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189799U	043820	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189800L	043920	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189801T	43990	2	300	30	6400	4	0.2	2.9	1.8	2.4	0.9	1.7	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.3	NO
189802A	044020	2	145	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.6	0.3	3.2	-0.3	NO
189805V	44320	1	35	30	6400	4	0.2	2.9	1.8	0.3	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	0.6	0.2	3.2	-0.3	NO
189809X	044720	2	35	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.3	NO
189810S	44920	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189812F	45130	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189813M	45220	2	9	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189816H	045330	2	153	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.8	0.4	3.2	-0.3	NO
189822L	046110	2	82	30	6400	4	0.2	2.9	1.8	0.7	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.5	0.2	3.2	-0.3	NO
189870B	048940	1	15	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189889T	050300	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189902E	51320	2	62	30	6400	4	0.2	2.9	1.8	0.5	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.1	0.1	3.2	-0.3	NO
189908V	052020	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189914Y	52290	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189929N	53300	1	55	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	1.0	0.3	3.2	-0.3	NO
189930H	53320	1	56	30	6400	4	0.2	2.9	1.8	0.5	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	1.0	0.3	3.2	-0.3	NO
Segment 11 Wanblee Midland MP 533.2 to 605																							
189931P	53340	1	228	10	6400	2	0.1	7.8	4.2	2.5	3.5	5.4	45.0	7400	11	0.5	2.4	1.5	4.1	1.1	3.2	-2.7	NO
189932W	53360	2	280	10	6400	2	0.1	7.8	4.2	3.0	2.2	5.4	45.0	7400	11	0.5	2.4	1.5	5.1	0.7	3.2	-2.7	NO
189989X	55950	1	75	10	6400	2	0.1	7.8	4.2	0.8	1.2	5.4	45.0	7400	11	0.5	2.4	1.5	1.4	0.4	3.2	-2.7	NO
190010C	55970	2	615	10	6400	2	0.1	7.8	4.2	6.6	4.8	5.4	45.0	7400	11	0.5	2.4	1.5	11.1	1.5	3.2	-2.7	NO
190501B	56170	2	50	10	6400	2	0.1	7.8	4.2	0.5	0.4	5.4	45.0	7400	11	0.5	2.4	1.5	0.9	0.1	3.2	-2.7	NO
190025S	57130	1	15	10	6400	2	0.1	7.8	4.2	0.2	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-2.7	NO
190026Y	57180	2	1020	10	6400	2	0.1	7.8	4.2	11.0	7.9	5.4	45.0	7400	11	0.5	2.4	1.5	18.5	2.4	3.2	-2.7	NO
190027F	57320	1	59	10	6400	2	0.1	7.8	4.2	0.6	0.9	5.4	45.0	7400	11	0.5	2.4	1.5	1.1	0.3	3.2	-2.7	NO
190028M	57350	2	26	10	6400	2	0.1	7.8	4.2	0.3	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-2.7	NO
190032C	57520	1	41	10	6400	2	0.1	7.8	4.2	0.4	0.6	5.4	45.0	7400	11	0.5	2.4	1.5	0.7	0.2	3.2	-2.7	NO
190034R	057730	1	12	10	6400	2	0.1	7.8	4.2	0.1	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.2	0.1	3.2	-2.7	NO
190039A	58309	1	6	10	6400	2	0.1	7.8	4.2	0.1	0.1	5.4	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-2.7	NO
190044W	58470	2	87	10	6400	2	0.1	7.8	4.2	0.9	0.7	5.4	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-2.7	NO
190049F	059020	2	19	10	6400	2	0.1	7.8	4.2	0.2	0.1	5.4	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-2.7	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 6,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
Segment 4 Brookings to Tracy MP 225.6 to 290.0																						
193785T	27360	2	40	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193786A	027440	2	1400	28	6400	10	0.4	3.1	1.8	30.1	4.3	4.8	45.0	6400	11	0.5	2.1	1.4	22.6	3.0	2.6	-0.5	NO
193787G	027460	2	250	28	6400	10	0.4	3.1	1.8	5.4	0.8	4.8	45.0	6400	11	0.5	2.1	1.4	4.0	0.5	2.6	-0.5	NO
193788N	027470	2	300	28	6400	10	0.4	3.1	1.8	6.5	0.9	4.8	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.5	NO
193789V	027480	2	642	28	6400	10	0.4	3.1	1.8	13.8	2.0	4.8	45.0	6400	11	0.5	2.1	1.4	10.4	1.4	2.6	-0.5	NO
193791W	027570	2	35	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193792D	027680	2	39	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193794S	027780	2	36	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.5	NO
193795Y	027810	2	33	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.5	NO
197475M	27880	2	93	28	6400	10	0.4	3.1	1.8	2.0	0.3	4.8	45.0	6400	11	0.5	2.1	1.4	1.5	0.2	2.6	-0.5	NO
193805C	027990	2	41	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
197476U	028090	2	47	28	6400	10	0.4	3.1	1.8	1.0	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.8	0.1	2.6	-0.5	NO
197477B	028150	2	27	28	6400	10	0.4	3.1	1.8	0.6	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.5	NO
193806J	028200	2	43	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
193807R	028300	2	42	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.5	NO
193808X	028410	2	31	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.5	NO
197424C	028490	2	5	28	6400	10	0.4	3.1	1.8	0.1	0.0	4.8	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.5	NO
197425J	028510	2	139	28	6400	10	0.4	3.1	1.8	3.0	0.4	4.8	45.0	6400	11	0.5	2.1	1.4	2.2	0.3	2.6	-0.5	NO
Segment 7 Arlington to Brookings MP 290.0 to 308.3																						
197446C	029960	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-1.0	NO
197447J	030170	1	17	20	6400	8	0.3	4.1	2.4	0.4	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-1.0	NO
197448R	030280	2	170	20	6400	8	0.3	4.1	2.4	3.9	0.7	6.5	45.0	6400	11	0.5	2.1	1.4	2.7	0.4	2.6	-1.0	NO
197449X	030380	2	25	20	6400	8	0.3	4.1	2.4	0.6	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-1.0	NO
197450S	030480	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-1.0	NO
197502G	030680	2	20	20	6400	8	0.3	4.1	2.4	0.5	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-1.0	NO
197503N	030730	2	15	20	6400	8	0.3	4.1	2.4	0.3	0.1	6.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-1.0	NO
197451Y	030800	4	1536	20	6400	8	0.3	4.1	2.4	35.3	3.2	6.5	45.0	6400	11	0.5	2.1	1.4	24.8	1.6	2.6	-1.0	NO
197452F	30820	2	630	20	6400	8	0.3	4.1	2.4	14.5	2.6	6.5	45.0	6400	11	0.5	2.1	1.4	10.2	1.3	2.6	-1.0	NO
Segment 8 Huron to Arlington MP 308.3 to 342.8																						
197453M	030835	2	300	21	6400	6	0.3	4.0	2.3	5.0	1.2	4.5	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.9	NO
197454U	030840	2	430	21	6400	6	0.3	4.0	2.3	7.1	1.7	4.5	45.0	6400	11	0.5	2.1	1.4	7.0	0.9	2.6	-0.9	NO
197504V	030940	2	43	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197505C	031060	2	74	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.2	0.2	2.6	-0.9	NO
197507R	031160	2	20	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197508X	031260	2	245	21	6400	6	0.3	4.0	2.3	4.0	1.0	4.5	45.0	6400	11	0.5	2.1	1.4	4.0	0.5	2.6	-0.9	NO
197509E	031390	2	118	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.9	NO
197510Y	031470	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197514B	031670	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197519K	032070	2	408	21	6400	6	0.3	4.0	2.3	6.7	1.6	4.5	45.0	6400	11	0.5	2.1	1.4	6.6	0.9	2.6	-0.9	NO
197520E	032090	2	89	21	6400	6	0.3	4.0	2.3	1.5	0.4	4.5	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-0.9	NO
197521L	032100	2	2496	21	6400	6	0.3	4.0	2.3	41.2	9.9	4.5	45.0	6400	11	0.5	2.1	1.4	40.3	5.3	2.6	-0.9	NO
197522T	032110	2	86	21	6400	6	0.3	4.0	2.3	1.4	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-0.9	NO
197523A	032170	2	225	21	6400	6	0.3	4.0	2.3	3.7	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.6	0.5	2.6	-0.9	NO
197679Y	032370	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197680T	032480	2	3	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.9	NO
197681A	032580	2	75	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	6400	11	0.5	2.1	1.4	1.2	0.2	2.6	-0.9	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 6,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
197683N	032680	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197684V	032780	2	27	21	6400	6	0.3	4.0	2.3	0.4	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.9	NO
197685C	032930	2	115	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.9	NO
197456H	032970	2	390	21	6400	6	0.3	4.0	2.3	6.4	1.5	4.5	45.0	6400	11	0.5	2.1	1.4	6.3	0.8	2.6	-0.9	NO
197457P	032980	2	3063	21	6400	6	0.3	4.0	2.3	50.6	12.1	4.5	45.0	6400	11	0.5	2.1	1.4	49.5	6.5	2.6	-0.9	NO
197458W	032990	2	186	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	6400	11	0.5	2.1	1.4	3.0	0.4	2.6	-0.9	NO
197459D	033000	2	130	21	6400	6	0.3	4.0	2.3	2.1	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	2.1	0.3	2.6	-0.9	NO
197686J	033040	2	610	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-0.9	NO
197687R	033080	2	33	21	6400	6	0.3	4.0	2.3	0.5	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.9	NO
197690Y	033290	2	2	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.9	NO
197460X	033390	2	36	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197461E	33490	1	10	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197462L	033590	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197464A	033700	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197465G	033800	2	215	21	6400	6	0.3	4.0	2.3	3.6	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.5	0.5	2.6	-0.9	NO
197466N	033840	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197467V	033890	2	17	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197469J	34000	1	62	21	6400	6	0.3	4.0	2.3	1.0	0.5	4.5	45.0	6400	11	0.5	2.1	1.4	1.0	0.3	2.6	-0.9	NO
197470D	034100	2	62	21	6400	6	0.3	4.0	2.3	1.0	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	1.0	0.1	2.6	-0.9	NO
197691F	34200	1	8	21	6400	6	0.3	4.0	2.3	0.1	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.9	NO
197692M	034300	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197694B	34390	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197696P	34420	2	1285	21	6400	6	0.3	4.0	2.3	21.2	5.1	4.5	45.0	6400	11	0.5	2.1	1.4	20.8	2.7	2.6	-0.9	NO
197697W	34460	2	613	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-0.9	NO
197698D	34470	2	230	21	6400	6	0.3	4.0	2.3	3.8	0.9	4.5	45.0	6400	11	0.5	2.1	1.4	3.7	0.5	2.6	-0.9	NO
197471K	034490	2	157	21	6400	6	0.3	4.0	2.3	2.6	0.6	4.5	45.0	6400	11	0.5	2.1	1.4	2.5	0.3	2.6	-0.9	NO
197473Y	034690	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197474F	034790	2	42	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197455B	034890	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197887A	034990	2	95	21	6400	6	0.3	4.0	2.3	1.6	0.4	4.5	45.0	6400	11	0.5	2.1	1.4	1.5	0.2	2.6	-0.9	NO
197701J	35080	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197702R	35180	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.9	NO
197703X	35280	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197704E	035380	2	188	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	6400	11	0.5	2.1	1.4	3.0	0.4	2.6	-0.9	NO
197706T	035480	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197707A	35580	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.9	NO
197708G	035680	2	37	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197710H	035780	2	44	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197711P	035880	2	40	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.9	NO
197891P	035980	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
197890H	036080	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	6400	11	0.5	2.1	1.4	0.7	0.1	2.6	-0.9	NO
189696U	36220	2	545	21	6400	6	0.3	4.0	2.3	9.0	2.2	4.5	45.0	6400	11	0.5	2.1	1.4	8.8	1.2	2.6	-0.9	NO
189698H	36280	4	11030	21	6400	6	0.3	4.0	2.3	182.1	21.9	4.5	45.0	6400	11	0.5	2.1	1.4	178.3	11.7	2.6	-0.9	NO
Segment 9 Wolsey to Huron MP 362.9 to 376.1																							
189701N	36380	2	5290	34	6400	6	0.3	2.6	1.6	58.2	14.0	2.1	45.0	6400	11	0.5	2.1	1.4	85.5	11.2	2.6	-0.3	NO
189702V	036470	4	2137	34	6400	6	0.3	2.6	1.6	23.5	2.8	2.1	45.0	6400	11	0.5	2.1	1.4	34.5	2.3	2.6	-0.3	NO
189703C	36480	2	125	34	6400	6	0.3	2.6	1.6	1.4	0.3	2.1	45.0	6400	11	0.5	2.1	1.4	2.0	0.3	2.6	-0.3	NO
189704J	36590	2	40	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.3	NO
189705R	36690	1	29	34	6400	6	0.3	2.6	1.6	0.3	0.2	2.1	45.0	6400	11	0.5	2.1	1.4	0.5	0.1	2.6	-0.3	NO
189706X	036800	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.3	NO
189707E	36900	2	305	34	6400	6	0.3	2.6	1.6	3.4	0.8	2.1	45.0	6400	11	0.5	2.1	1.4	4.9	0.6	2.6	-0.3	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 6,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189708L	37000	2	35	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.3	NO
189710M	37100	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.3	NO
189712B	37320	2	19	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.3	NO
189713H	37480	1	3	34	6400	6	0.3	2.6	1.6	0.0	0.0	2.1	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.3	NO
Segment ID Midland to Wasay MP 374.1 to 633.2																							
189716D	37620	2	2671	30	6400	4	0.2	2.9	1.8	21.7	7.8	1.7	40.0	6400	11	0.5	2.3	1.5	47.3	6.2	3.1	-0.3	NO
189717K	37630	1	200	30	6400	4	0.2	2.9	1.8	1.6	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	3.2	0.8	2.6	-0.4	NO
189718S	37730	1	27	30	6400	4	0.2	2.9	1.8	0.2	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189720T	37930	1	24	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189722G	38040	2	15	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189724V	38140	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189726J	038350	1	12	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189728X	38550	2	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-0.4	NO
189730Y	38650	2	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189731F	038750	2	952	30	6400	4	0.2	2.9	1.8	7.7	2.8	1.7	45.0	6400	11	0.5	2.1	1.4	15.4	2.0	2.6	-0.4	NO
189732M	38770	2	464	30	6400	4	0.2	2.9	1.8	3.8	1.4	1.7	45.0	6400	11	0.5	2.1	1.4	7.5	1.0	2.6	-0.4	NO
189734B	38880	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189736P	39000	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189738D	39110	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189740E	39220	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189742T	39340	2	120	30	6400	4	0.2	2.9	1.8	1.0	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.3	2.6	-0.4	NO
189744G	039560	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189746V	039670	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189747C	39760	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189748J	39860	1	4	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189749R	39960	2	115	30	6400	4	0.2	2.9	1.8	0.9	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.2	2.6	-0.4	NO
189751S	40030	2	164	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	6400	11	0.5	2.1	1.4	2.7	0.3	2.6	-0.4	NO
189752Y	040040	2	166	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	6400	11	0.5	2.1	1.4	2.7	0.4	2.6	-0.4	NO
189754M	40160	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189755U	40260	2	400	30	6400	4	0.2	2.9	1.8	3.2	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	6.5	0.8	2.6	-0.4	NO
189756B	040290	2	2505	30	6400	4	0.2	2.9	1.8	20.3	7.3	1.7	45.0	6400	11	0.5	2.1	1.4	40.5	5.3	2.6	-0.4	NO
189757H	40310	1	204	30	6400	4	0.2	2.9	1.8	1.7	1.2	1.7	45.0	6400	11	0.5	2.1	1.4	3.3	0.9	2.6	-0.4	NO
189758P	40360	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189759W	40460	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189760R	40560	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189761X	40660	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189762E	40750	1	49	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.8	0.2	2.6	-0.4	NO
189763L	40860	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189765A	41060	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189767N	41260	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189768V	41330	2	508	30	6400	4	0.2	2.9	1.8	4.1	1.5	1.7	45.0	6400	11	0.5	2.1	1.4	8.2	1.1	2.6	-0.4	NO
189769C	041360	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189770W	41550	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189771D	041660	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189772K	041830	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189775F	42120	9	115	30	6400	4	0.2	2.9	1.8	0.9	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	1.9	0.1	2.6	-0.4	NO
189776M	042230	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189780C	42420	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189781J	042500	2	272	30	6400	4	0.2	2.9	1.8	2.2	0.8	1.7	45.0	6400	11	0.5	2.1	1.4	4.4	0.6	2.6	-0.4	NO
189782R	42520	2	1543	30	6400	4	0.2	2.9	1.8	12.5	4.5	1.7	45.0	6400	11	0.5	2.1	1.4	24.9	3.3	2.6	-0.4	NO
189784E	42620	1	8	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 6,400 Feet
Alternative C

				Pre-Construction									Post-Construction									
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train (min.)	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189786T	42820	2	6	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189787A	42920	2	36	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189789N	43120	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189791P	43290	1	21	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189792W	043320	2	80	30	6400	4	0.2	2.9	1.8	0.6	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.3	0.2	2.6	-0.4	NO
189793D	43420	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189795S	43520	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.0	0.0	2.6	-0.4	NO
189797F	043620	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189799U	043820	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189800L	043920	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189801T	43990	2	300	30	6400	4	0.2	2.9	1.8	2.4	0.9	1.7	45.0	6400	11	0.5	2.1	1.4	4.8	0.6	2.6	-0.4	NO
189802A	044020	2	145	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	2.3	0.3	2.6	-0.4	NO
189805V	44320	1	35	30	6400	4	0.2	2.9	1.8	0.3	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189809X	044720	2	35	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.6	0.1	2.6	-0.4	NO
189810S	44920	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189812F	45130	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189813M	45220	2	9	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-0.4	NO
189816H	045330	2	153	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	6400	11	0.5	2.1	1.4	2.5	0.3	2.6	-0.4	NO
189822L	046110	2	82	30	6400	4	0.2	2.9	1.8	0.7	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.3	0.2	2.6	-0.4	NO
189870B	048940	1	15	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-0.4	NO
189889T	050300	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.2	0.0	2.6	-0.4	NO
189902E	51320	2	62	30	6400	4	0.2	2.9	1.8	0.5	0.2	1.7	45.0	6400	11	0.5	2.1	1.4	1.0	0.1	2.6	-0.4	NO
189908V	052020	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.3	0.1	2.6	-0.4	NO
189914Y	52290	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-0.4	NO
189929N	53300	1	55	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.9	0.2	2.6	-0.4	NO
189930H	53320	1	56	30	6400	4	0.2	2.9	1.8	0.5	0.3	1.7	45.0	6400	11	0.5	2.1	1.4	0.9	0.2	2.6	-0.4	NO
Segment 11 Wanda to Midland MP 533.2 to 605																							
189931P	53340	1	228	10	6400	2	0.1	7.8	4.2	2.5	3.5	5.4	45.0	6400	11	0.5	2.1	1.4	3.7	1.0	2.6	-2.8	NO
189932W	53360	2	280	10	6400	2	0.1	7.8	4.2	3.0	2.2	5.4	45.0	6400	11	0.5	2.1	1.4	4.5	0.6	2.6	-2.8	NO
189989X	55950	1	75	10	6400	2	0.1	7.8	4.2	0.8	1.2	5.4	45.0	6400	11	0.5	2.1	1.4	1.2	0.3	2.6	-2.8	NO
190010C	55970	2	615	10	6400	2	0.1	7.8	4.2	6.6	4.8	5.4	45.0	6400	11	0.5	2.1	1.4	9.9	1.3	2.6	-2.8	NO
190501B	56170	2	50	10	6400	2	0.1	7.8	4.2	0.5	0.4	5.4	45.0	6400	11	0.5	2.1	1.4	0.8	0.1	2.6	-2.8	NO
190025S	57130	1	15	10	6400	2	0.1	7.8	4.2	0.2	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-2.8	NO
190026Y	57180	2	1020	10	6400	2	0.1	7.8	4.2	11.0	7.9	5.4	45.0	6400	11	0.5	2.1	1.4	16.5	2.2	2.6	-2.8	NO
190027F	57320	1	59	10	6400	2	0.1	7.8	4.2	0.6	0.9	5.4	45.0	6400	11	0.5	2.1	1.4	1.0	0.2	2.6	-2.8	NO
190028M	57350	2	26	10	6400	2	0.1	7.8	4.2	0.3	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.4	0.1	2.6	-2.8	NO
190032C	57520	1	41	10	6400	2	0.1	7.8	4.2	0.4	0.6	5.4	45.0	6400	11	0.5	2.1	1.4	0.7	0.2	2.6	-2.8	NO
190034R	057730	1	12	10	6400	2	0.1	7.8	4.2	0.1	0.2	5.4	45.0	6400	11	0.5	2.1	1.4	0.2	0.1	2.6	-2.8	NO
190039A	58309	1	6	10	6400	2	0.1	7.8	4.2	0.1	0.1	5.4	45.0	6400	11	0.5	2.1	1.4	0.1	0.0	2.6	-2.8	NO
190044W	58470	2	87	10	6400	2	0.1	7.8	4.2	0.9	0.7	5.4	45.0	6400	11	0.5	2.1	1.4	1.4	0.2	2.6	-2.8	NO
190049F	059020	2	19	10	6400	2	0.1	7.8	4.2	0.2	0.1	5.4	45.0	6400	11	0.5	2.1	1.4	0.3	0.0	2.6	-2.8	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
Segment 6 Brookings to Tracy MP 224.6 to 290.0																						
193785T	027360	2	40	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193786A	027440	2	1400	28	6400	10	0.4	3.1	1.8	30.1	4.3	4.8	45.0	7400	11	0.5	2.4	1.5	25.3	3.3	3.2	-0.4	NO
193787G	027460	2	250	28	6400	10	0.4	3.1	1.8	5.4	0.8	4.8	45.0	7400	11	0.5	2.4	1.5	4.5	0.6	3.2	-0.4	NO
193788N	027470	2	300	28	6400	10	0.4	3.1	1.8	6.5	0.9	4.8	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.4	NO
193789V	027480	2	642	28	6400	10	0.4	3.1	1.8	13.8	2.0	4.8	45.0	7400	11	0.5	2.4	1.5	11.6	1.5	3.2	-0.4	NO
193791W	027570	2	35	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
193792D	027680	2	39	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193794S	027780	2	36	28	6400	10	0.4	3.1	1.8	0.8	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
193795Y	027810	2	33	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
197475M	27880	2	93	28	6400	10	0.4	3.1	1.8	2.0	0.3	4.8	45.0	7400	11	0.5	2.4	1.5	1.7	0.2	3.2	-0.4	NO
193805C	027990	2	41	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.4	NO
197476U	028090	2	47	28	6400	10	0.4	3.1	1.8	1.0	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.9	0.1	3.2	-0.4	NO
197477B	028150	2	27	28	6400	10	0.4	3.1	1.8	0.6	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.4	NO
193806J	028200	2	43	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.4	NO
193807R	028300	2	42	28	6400	10	0.4	3.1	1.8	0.9	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.4	NO
193808X	028410	2	31	28	6400	10	0.4	3.1	1.8	0.7	0.1	4.8	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.4	NO
197424C	028490	2	5	28	6400	10	0.4	3.1	1.8	0.1	0.0	4.8	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.4	NO
197425J	028510	2	139	28	6400	10	0.4	3.1	1.8	3.0	0.4	4.8	45.0	7400	11	0.5	2.4	1.5	2.5	0.3	3.2	-0.4	NO
Segment 7 Arlington to Brookings MP 290.9 to 308.3																						
197446C	029960	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197447J	030170	2	17	20	6400	8	0.3	4.1	2.4	0.4	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.9	NO
197448R	030280	2	170	20	6400	8	0.3	4.1	2.4	3.9	0.7	6.5	45.0	7400	11	0.5	2.4	1.5	3.1	0.4	3.2	-0.9	NO
197449X	030380	2	25	20	6400	8	0.3	4.1	2.4	0.6	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197450S	030480	2	30	20	6400	8	0.3	4.1	2.4	0.7	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.9	NO
197502G	030680	2	20	20	6400	8	0.3	4.1	2.4	0.5	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.9	NO
197503N	030730	2	15	20	6400	8	0.3	4.1	2.4	0.3	0.1	6.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.9	NO
197451Y	030800	4	1536	20	6400	8	0.3	4.1	2.4	35.3	3.2	6.5	45.0	7400	11	0.5	2.4	1.5	27.8	1.8	3.2	-0.9	NO
197452F	30820	2	630	20	6400	8	0.3	4.1	2.4	14.5	2.6	6.5	45.0	7400	11	0.5	2.4	1.5	11.4	1.5	3.2	-0.9	NO
Segment 8 Huron to Arlington MP 308.3 to 342.8																						
197453M	030835	2	300	21	6400	6	0.3	4.0	2.3	5.0	1.2	4.5	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.8	NO
197454U	030840	2	430	21	6400	6	0.3	4.0	2.3	7.1	1.7	4.5	45.0	7400	11	0.5	2.4	1.5	7.8	1.0	3.2	-0.8	NO
197504V	030940	2	43	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197505C	031060	2	74	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.3	0.2	3.2	-0.8	NO
197507R	031160	2	20	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.8	NO
197508X	031260	2	245	21	6400	6	0.3	4.0	2.3	4.0	1.0	4.5	45.0	7400	11	0.5	2.4	1.5	4.4	0.6	3.2	-0.8	NO
197509E	031390	2	118	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.8	NO
197510Y	031470	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197514B	031670	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197519K	032070	2	408	21	6400	6	0.3	4.0	2.3	6.7	1.6	4.5	45.0	7400	11	0.5	2.4	1.5	7.4	1.0	3.2	-0.8	NO
197520E	032090	2	89	21	6400	6	0.3	4.0	2.3	1.5	0.4	4.5	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-0.8	NO
197521L	032100	2	2496	21	6400	6	0.3	4.0	2.3	41.2	9.9	4.5	45.0	7400	11	0.5	2.4	1.5	45.2	5.9	3.2	-0.8	NO
197522T	032110	2	86	21	6400	6	0.3	4.0	2.3	1.4	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-0.8	NO
197523A	032170	2	225	21	6400	6	0.3	4.0	2.3	3.7	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	4.1	0.5	3.2	-0.8	NO
197679Y	032370	2	5	21	6400	6	0.3	4.0	2.3	0.1	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197680T	032480	2	3	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197681A	032580	2	75	21	6400	6	0.3	4.0	2.3	1.2	0.3	4.5	45.0	7400	11	0.5	2.4	1.5	1.4	0.2	3.2	-0.8	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
197683N	032680	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197684V	032780	2	27	21	6400	6	0.3	4.0	2.3	0.4	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.8	NO
197685C	032930	2	115	21	6400	6	0.3	4.0	2.3	1.9	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.8	NO
197456H	032970	2	390	21	6400	6	0.3	4.0	2.3	6.4	1.5	4.5	45.0	7400	11	0.5	2.4	1.5	7.1	0.9	3.2	-0.8	NO
197457P	032980	2	3063	21	6400	6	0.3	4.0	2.3	50.6	12.1	4.5	45.0	7400	11	0.5	2.4	1.5	55.4	7.3	3.2	-0.8	NO
197458W	032990	2	186	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	7400	11	0.5	2.4	1.5	3.4	0.4	3.2	-0.8	NO
197459D	033000	2	130	21	6400	6	0.3	4.0	2.3	2.1	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	2.4	0.3	3.2	-0.8	NO
197686J	033040	2	610	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	7400	11	0.5	2.4	1.5	11.0	1.4	3.2	-0.8	NO
197687R	033080	2	33	21	6400	6	0.3	4.0	2.3	0.5	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197690Y	033290	2	2	21	6400	6	0.3	4.0	2.3	0.0	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.8	NO
197460X	033390	2	36	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197461E	33490	1	10	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197462L	033590	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197464A	033700	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197465G	033800	2	215	21	6400	6	0.3	4.0	2.3	3.6	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	3.9	0.5	3.2	-0.8	NO
197466N	033840	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197467V	033890	2	17	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197469J	34000	1	62	21	6400	6	0.3	4.0	2.3	1.0	0.5	4.5	45.0	7400	11	0.5	2.4	1.5	1.1	0.3	3.2	-0.8	NO
197470D	034100	2	62	21	6400	6	0.3	4.0	2.3	1.0	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	1.1	0.1	3.2	-0.8	NO
197691F	34200	1	8	21	6400	6	0.3	4.0	2.3	0.1	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.8	NO
197692M	034300	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197694B	34390	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197696P	34420	2	1285	21	6400	6	0.3	4.0	2.3	21.2	5.1	4.5	45.0	7400	11	0.5	2.4	1.5	23.3	3.0	3.2	-0.8	NO
197697W	34460	2	613	21	6400	6	0.3	4.0	2.3	10.1	2.4	4.5	45.0	7400	11	0.5	2.4	1.5	11.1	1.5	3.2	-0.8	NO
197698D	34470	2	230	21	6400	6	0.3	4.0	2.3	3.8	0.9	4.5	45.0	7400	11	0.5	2.4	1.5	4.2	0.5	3.2	-0.8	NO
197471K	034490	2	157	21	6400	6	0.3	4.0	2.3	2.6	0.6	4.5	45.0	7400	11	0.5	2.4	1.5	2.8	0.4	3.2	-0.8	NO
197473Y	034690	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197474F	034790	2	42	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197455B	034890	2	10	21	6400	6	0.3	4.0	2.3	0.2	0.0	4.5	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.8	NO
197887A	034990	2	95	21	6400	6	0.3	4.0	2.3	1.6	0.4	4.5	45.0	7400	11	0.5	2.4	1.5	1.7	0.2	3.2	-0.8	NO
197701J	35080	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197702R	35180	2	19	21	6400	6	0.3	4.0	2.3	0.3	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197703X	35280	2	35	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.8	NO
197704E	035380	2	188	21	6400	6	0.3	4.0	2.3	3.1	0.7	4.5	45.0	7400	11	0.5	2.4	1.5	3.4	0.4	3.2	-0.8	NO
197706T	035480	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197707A	35580	2	15	21	6400	6	0.3	4.0	2.3	0.2	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.8	NO
197708G	035680	2	37	21	6400	6	0.3	4.0	2.3	0.6	0.1	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197710H	035780	2	44	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197711P	035880	2	40	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.8	NO
197891P	035980	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
197890H	036080	2	45	21	6400	6	0.3	4.0	2.3	0.7	0.2	4.5	45.0	7400	11	0.5	2.4	1.5	0.8	0.1	3.2	-0.8	NO
189696U	36220	2	545	21	6400	6	0.3	4.0	2.3	9.0	2.2	4.5	45.0	7400	11	0.5	2.4	1.5	9.9	1.3	3.2	-0.8	NO
189698H	36280	4	11030	21	6400	6	0.3	4.0	2.3	182.1	21.9	4.5	45.0	7400	11	0.5	2.4	1.5	199.6	13.1	3.2	-0.8	NO
Segment 9 Wolsey to Huron MP 362.6 to 376.1																							
189701N	36380	2	5290	34	6400	6	0.3	2.6	1.6	58.2	14.0	2.1	45.0	7400	11	0.5	2.4	1.5	95.7	12.5	3.2	-0.1	NO
189702V	036470	4	2137	34	6400	6	0.3	2.6	1.6	23.5	2.8	2.1	45.0	7400	11	0.5	2.4	1.5	38.7	2.5	3.2	-0.1	NO
189703C	36480	2	125	34	6400	6	0.3	2.6	1.6	1.4	0.3	2.1	45.0	7400	11	0.5	2.4	1.5	2.3	0.3	3.2	-0.1	NO
189704J	36590	2	40	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.1	NO
189705R	36690	1	29	34	6400	6	0.3	2.6	1.6	0.3	0.2	2.1	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.1	NO
189706X	036800	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.1	NO
189707E	36900	2	305	34	6400	6	0.3	2.6	1.6	3.4	0.8	2.1	45.0	7400	11	0.5	2.4	1.5	5.5	0.7	3.2	-0.1	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 7,400 Feet
Alternative C

FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Pre-Construction									Post-Construction								Difference Average Delay/ Veh. (min.)	Trip Threshold
				Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Trains Per Day	Trains Per Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)		
189708L	37000	2	35	34	6400	6	0.3	2.6	1.6	0.4	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.1	NO
189710M	37100	1	20	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.1	NO
189712B	37320	2	19	34	6400	6	0.3	2.6	1.6	0.2	0.1	2.1	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.1	NO
189713H	37480	1	3	34	6400	6	0.3	2.6	1.6	0.0	0.0	2.1	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.1	NO
Segment 10 Midland to Wasay MP 376.1 to 533.2																						
189716D	37620	2	2671	30	6400	4	0.2	2.9	1.8	21.7	7.8	1.7	40.0	7400	11	0.5	2.6	1.6	53.1	7.0	3.8	-0.2	NO
189717K	37630	1	200	30	6400	4	0.2	2.9	1.8	1.6	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	3.6	0.9	3.2	-0.3	NO
189718S	37730	1	27	30	6400	4	0.2	2.9	1.8	0.2	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189720T	37930	1	24	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189722G	38040	2	15	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-0.3	NO
189724V	38140	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189726J	038350	1	12	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.1	3.2	-0.3	NO
189728X	38550	2	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.0	3.2	-0.3	NO
189730Y	38650	2	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189731F	038750	2	952	30	6400	4	0.2	2.9	1.8	7.7	2.8	1.7	45.0	7400	11	0.5	2.4	1.5	17.2	2.3	3.2	-0.3	NO
189732M	38770	2	464	30	6400	4	0.2	2.9	1.8	3.8	1.4	1.7	45.0	7400	11	0.5	2.4	1.5	8.4	1.1	3.2	-0.3	NO
189734B	38880	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189736P	39000	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189738D	39110	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189740E	39220	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189742T	39340	2	120	30	6400	4	0.2	2.9	1.8	1.0	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.2	0.3	3.2	-0.3	NO
189744G	039560	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189746V	039670	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189747C	39760	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189748J	39860	1	4	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189749R	39960	2	115	30	6400	4	0.2	2.9	1.8	0.9	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	2.1	0.3	3.2	-0.3	NO
189751S	40030	2	164	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	7400	11	0.5	2.4	1.5	3.0	0.4	3.2	-0.3	NO
189752Y	040040	2	166	30	6400	4	0.2	2.9	1.8	1.3	0.5	1.7	45.0	7400	11	0.5	2.4	1.5	3.0	0.4	3.2	-0.3	NO
189754M	40160	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189755U	40260	2	400	30	6400	4	0.2	2.9	1.8	3.2	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	7.2	0.9	3.2	-0.3	NO
189756B	040290	2	2505	30	6400	4	0.2	2.9	1.8	20.3	7.3	1.7	45.0	7400	11	0.5	2.4	1.5	45.3	5.9	3.2	-0.3	NO
189757H	40310	1	204	30	6400	4	0.2	2.9	1.8	1.7	1.2	1.7	45.0	7400	11	0.5	2.4	1.5	3.7	1.0	3.2	-0.3	NO
189758P	40360	1	14	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189759W	40460	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189760R	40560	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189761X	40660	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189762E	40750	1	49	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	0.9	0.2	3.2	-0.3	NO
189763L	40860	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189765A	41060	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189767N	41260	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189768V	41330	2	508	30	6400	4	0.2	2.9	1.8	4.1	1.5	1.7	45.0	7400	11	0.5	2.4	1.5	9.2	1.2	3.2	-0.3	NO
189769C	041360	1	5	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189770W	41550	1	2	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189771D	041660	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189772K	041830	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189775F	42120	9	115	30	6400	4	0.2	2.9	1.8	0.9	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	2.1	0.1	3.2	-0.3	NO
189776M	042230	1	1	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.0	0.0	3.2	-0.3	NO
189780C	42420	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189781J	042500	2	272	30	6400	4	0.2	2.9	1.8	2.2	0.8	1.7	45.0	7400	11	0.5	2.4	1.5	4.9	0.6	3.2	-0.3	NO
189782R	42520	2	1543	30	6400	4	0.2	2.9	1.8	12.5	4.5	1.7	45.0	7400	11	0.5	2.4	1.5	27.9	3.7	3.2	-0.3	NO
189784E	42620	1	8	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO

Pre/Post-Construction Delays
South Dakota-100 MNT
Train Length = 7,400 Feet
Alternative C

				Pre-Construction									Post-Construction										
						Trains Per									Trains Per								
FRA ID	MILEPOST	Number of Roadway Lanes	ADT	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Train Speed (mph)	Train Length (feet)	Day	Hour	Total Blocked Time/ Train	Average Delay/ Veh. (min)	Number of Vehicles Delayed Per Day	Maximum Vehicle Queue	Average Delay for all Vehicles (sec/veh)	Difference Average Delay/ Veh. (min.)	Trip Threshold
189786T	42820	2	6	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189787A	42920	2	36	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.7	0.1	3.2	-0.3	NO
189789N	43120	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189791P	43290	1	21	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189792W	043320	2	80	30	6400	4	0.2	2.9	1.8	0.6	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.4	0.2	3.2	-0.3	NO
189793D	43420	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189795S	43520	1	3	30	6400	4	0.2	2.9	1.8	0.0	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189797F	043620	1	7	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-0.3	NO
189799U	043820	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189800L	043920	1	20	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.4	0.1	3.2	-0.3	NO
189801T	43990	2	300	30	6400	4	0.2	2.9	1.8	2.4	0.9	1.7	45.0	7400	11	0.5	2.4	1.5	5.4	0.7	3.2	-0.3	NO
189802A	044020	2	145	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.6	0.3	3.2	-0.3	NO
189805V	44320	1	35	30	6400	4	0.2	2.9	1.8	0.3	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	0.6	0.2	3.2	-0.3	NO
189809X	044720	2	35	30	6400	4	0.2	2.9	1.8	0.3	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.6	0.1	3.2	-0.3	NO
189810S	44920	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189812F	45130	1	9	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189813M	45220	2	9	30	6400	4	0.2	2.9	1.8	0.1	0.0	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189816H	045330	2	153	30	6400	4	0.2	2.9	1.8	1.2	0.4	1.7	45.0	7400	11	0.5	2.4	1.5	2.8	0.4	3.2	-0.3	NO
189822L	046110	2	82	30	6400	4	0.2	2.9	1.8	0.7	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.5	0.2	3.2	-0.3	NO
189870B	048940	1	15	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189889T	050300	1	10	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.2	0.0	3.2	-0.3	NO
189902E	51320	2	62	30	6400	4	0.2	2.9	1.8	0.5	0.2	1.7	45.0	7400	11	0.5	2.4	1.5	1.1	0.1	3.2	-0.3	NO
189908V	052020	1	16	30	6400	4	0.2	2.9	1.8	0.1	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-0.3	NO
189914Y	52290	1	25	30	6400	4	0.2	2.9	1.8	0.2	0.1	1.7	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-0.3	NO
189929N	53300	1	55	30	6400	4	0.2	2.9	1.8	0.4	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	1.0	0.3	3.2	-0.3	NO
189930H	53320	1	56	30	6400	4	0.2	2.9	1.8	0.5	0.3	1.7	45.0	7400	11	0.5	2.4	1.5	1.0	0.3	3.2	-0.3	NO
Segment 11 Wasta to Midland MP 533.2 to 605																							
189931P	53340	1	228	10	6400	2	0.1	7.8	4.2	2.5	3.5	5.4	45.0	7400	11	0.5	2.4	1.5	4.1	1.1	3.2	-2.7	NO
189932W	53360	2	280	10	6400	2	0.1	7.8	4.2	3.0	2.2	5.4	45.0	7400	11	0.5	2.4	1.5	5.1	0.7	3.2	-2.7	NO
189989X	55950	1	75	10	6400	2	0.1	7.8	4.2	0.8	1.2	5.4	45.0	7400	11	0.5	2.4	1.5	1.4	0.4	3.2	-2.7	NO
190010C	55970	2	615	10	6400	2	0.1	7.8	4.2	6.6	4.8	5.4	45.0	7400	11	0.5	2.4	1.5	11.1	1.5	3.2	-2.7	NO
190501B	56170	2	50	10	6400	2	0.1	7.8	4.2	0.5	0.4	5.4	45.0	7400	11	0.5	2.4	1.5	0.9	0.1	3.2	-2.7	NO
190025S	57130	1	15	10	6400	2	0.1	7.8	4.2	0.2	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.3	0.1	3.2	-2.7	NO
190026Y	57180	2	1020	10	6400	2	0.1	7.8	4.2	11.0	7.9	5.4	45.0	7400	11	0.5	2.4	1.5	18.5	2.4	3.2	-2.7	NO
190027F	57320	1	59	10	6400	2	0.1	7.8	4.2	0.6	0.9	5.4	45.0	7400	11	0.5	2.4	1.5	1.1	0.3	3.2	-2.7	NO
190028M	57350	2	26	10	6400	2	0.1	7.8	4.2	0.3	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.5	0.1	3.2	-2.7	NO
190032C	57520	1	41	10	6400	2	0.1	7.8	4.2	0.4	0.6	5.4	45.0	7400	11	0.5	2.4	1.5	0.7	0.2	3.2	-2.7	NO
190034R	057730	1	12	10	6400	2	0.1	7.8	4.2	0.1	0.2	5.4	45.0	7400	11	0.5	2.4	1.5	0.2	0.1	3.2	-2.7	NO
190039A	58309	1	6	10	6400	2	0.1	7.8	4.2	0.1	0.1	5.4	45.0	7400	11	0.5	2.4	1.5	0.1	0.0	3.2	-2.7	NO
190044W	58470	2	87	10	6400	2	0.1	7.8	4.2	0.9	0.7	5.4	45.0	7400	11	0.5	2.4	1.5	1.6	0.2	3.2	-2.7	NO
190049F	059020	2	19	10	6400	2	0.1	7.8	4.2	0.2	0.1	5.4	45.0	7400	11	0.5	2.4	1.5	0.3	0.0	3.2	-2.7	NO