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April 17, 2025

Addendum No. 01

File Reference Number: RFP 2025 014

Title: Rail Grinding Services

RE: Clarifications/Questions

Please refer to the following information / clarifications:

Item 1: Please confirm if ONTC will consider an alternative machine referred to as the Harsco RGHC – 20.

Answer: The specifications listed in the RFP are minimum specs. ONTC will first consider suppliers that meet the minimum requirements.

Item 2: Would ONTC be open to an alternative solution such as rail milling in response to this RFP?

Answer: Rail milling will not be considered as an alternative.

Item 3: Please confirm that no 'Respondents Meeting' is set out for this RFP.

Answer: There is no respondents meeting for this RFP.

Part 1 – Request for Proposals – Section 4.1 – Format and Content of Proposal

Item 4: Would ONTC accept alternative proposals only, without a respondent pricing a proposal for rail grinding?

Answer: The specifications listed in the RFP are minimum specs. ONTC will first consider suppliers that meet the minimum requirements. Pricing is mandatory for this RFP.

Part 3 – Request for Proposals – Specifications – Schedule 3-A-1 – Scope of Work

Item 5: Please specify the exact target rail profile.

Answer: 115 LB RE

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Item 6: Please provide a curve list of the subdivisions that are subject to grinding.

Answer: Please refer to the Curve List document attached at the end of this Addendum.

Item 7: How many miles of mill scale removal of the newly installed rail to you estimate per year?

Answer: Approximately 40 track miles of grinding on new rail per rail grinding program.

Part 4 – Request for Proposals – Form of Proposal – Proposal Form 1-A – Proposal Submission Form – Schedule of Prices

- Note - All rates for subsequent years will be adjusted based on 100% of the change in the Consumer Price Index (CPI-U). If the change in the CPI-U is negative, no adjustments will be made to the rates.

Item 8: Please clarify if the respondents shall submit unit prices for 2026 and 2027. Please clarify if the clause is subject to pricing beyond 2027.

Answer: Respondents shall submit unit prices for 2026 and 2027.

Part 4 – Request for Proposals – Form of Proposal – Proposal Form 9 – Schedule of Progress Payments

Item 9: Please specify the holdback portion.

Answer: Please refer to Proposal Form 1 – Proposal Submission Form, section (e) for holdback portion.

This Addendum hereby forms part of the RFP.

Regards,

Brinda Ranpura
Procurement Contracts Specialist
brinda.ranpura@ontarionorthland.ca

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
			TSD	0.00								10						North Bay	0 to 0.7 - 10 MPH; 0.7 to 1.7 - 15 MPH
		3	TSD	1.47	1:00	R		1155		4688	N	15	**1/2**	0.00	1/8	**3/8**	71		
		3	TSD	1.47	1:00	R		1155		4688	S	15	**1/2**	0.00	1/8	**3/8**	71		
		3	TSD	2.57	3:00	L	210	390	210	126	N	25	**1/2**	0.31	1	**- 1/2**	41		
		3	TSD	2.57	3:00	L	210	390	210	126	S	15	**1/2**	0.47	1	**- 1/2**	41		
		1	TSD	2.83	4:00	R	270	1105	270	1708	N	25	**3/4**	0.75	1 1/2	**- 3/4**	37		
		1	TSD	2.83	4:00	R	270	1105	270	1708	S	15	**3/4**	0.63	1 1/2	**- 3/4**	37		
		3	TSD	3.39	3:00	L	210	380	210		N	25	**1/2**	0.31	1 3/4	**-1 1/4**	41		
		3	TSD	3.39	3:00	L	210	380	210		S	15	**1/2**	0.47	1 3/4	**-1 1/4**	41		
		3	TSD	3.53	0:37	L		543			N	25	**1/2**	0.00	3/4	**- 1/4**	90		
		3	TSD	3.53	0:37	L		543			S	15	**1/2**	0.10	3/4	**- 1/4**	90		
		1	TSD	3.71	4:00	L	270	370	270	70	N	25	**3/4**	0.00	4 5/8	**-3 7/8**	37		
		1	TSD	3.71	4:00	L	270	370	270	70	S	15	**3/4**	0.63	4 5/8	**-3 7/8**	37		
		1	TSD	3.89	6:00	R	240	865	240	475	N	25	**1 5/8**	0.63	4 3/4	**-3 1/8**	33		
		1	TSD	3.89	6:00	R	240	865	240	475	S	15	**1 5/8**	0.95	4 3/4	**-3 1/8**	33		
		1	TSD	4.19	5:08	L	210	265	210	82	N	30	**2 1/4**	1.23	4	**-1 3/4**	38		
		1	TSD	4.19	5:08	L	210	265	210	82	S	30	**2 1/4**	2.23	4	**-1 3/4**	38		
		1	TSD	4.35	4:00	R	210	503	210	134	N	30	**1 1/2**	0.52	3 1/8	**-1 5/8**	40		
		1	TSD	4.35	4:00	R	210	503	210	134	S	30	**1 1/2**	1.52	3 1/8	**-1 5/8**	40		
		1	TSD	4.53	4:00	L	210	451	210	1098	N	30	**1 1/2**	0.52	2 1/2	**-1**	40		
		1	TSD	4.53	4:00	L	210	451	210	1098	S	30	**1 1/2**	1.52	2 1/2	**-1**	40		
		1	TSD	4.95	6:04	R	330	867	330	282	N	30	**2 7/8**	1.82	4 1/4	**-1 3/8**	37		
		1	TSD	4.95	6:04	R	330	867	330	282	S	30	**2 7/8**	2.82	4 1/4	**-1 3/8**	37		
		1	TSD	5.31	6:06	L	270	1184	240	2356		40	**4 7/8**	4.83	4 3/8	**1/2**	43		
		3	TSD	6.05	1:03	L	90	1132	90	1023		40	**1/2**	0.18	1/2	**0**	69		
		1	TSD	6.41	5:06	R	240	118	240	73		40	**4 3/4**	4.71	3 1/4	**1 1/2**	47		RSI MP 6.35
		1	TSD	6.54	4:02	L	210	178				40	**3 3/4**	3.52	1 3/8	2 3/8	49		
		1	TSD	6.61	4:14	L		200				40	**3 3/4**	3.74	1 3/8	2 3/8	48		
		1	TSD	6.66	4:04	L		600				40	**3 3/4**	3.55	1 3/8	2 3/8	49		
		1	TSD	6.76	4:01	L		500				40	**3 3/4**	3.50	1 3/8	2 3/8	49		
		1	TSD	6.86	3:55	L		91	210	133		40	**3 3/4**	3.39	1 3/8	**2 3/8**	50		
		1	TSD	6.98	5:08	R	300	460	300	574		40	**4 3/4**	4.75	4 1/2	**1/4**	46		
		1	TSD	7.26	5:00	R	270	292	270	130		40	**4 5/8**	4.60	4 3/4	**- 1/8**	47		
		1	TSD	7.43	2:30	L	210	414	210	724		40	**1 3/4**	1.80	2 5/8	**- 7/8**	52		
		3	TSD	7.76	0:46	L	60	1035				40	**1/2**	0.00	1	- 1/2	81		
		1	TSD	7.99	1:30	L	90	675	210	2026		40	**3/4**	0.68	1	- 1/4	60		
		1	TSD	8.48	3:57	R	240	239	240	465		40	**3 1/2**	3.42	4 1/8	- 5/8	48		
		3	TSD	8.69	1:00	R	90	384	90	2115		40	**1/2**	0.12	3/8	**1/8**	71		
			TSD	8.90														Feronia	
		3	TSD	9.20	1:06	R	60	476	60	1498		40	**1/2**	0.23	7/8	**- 3/8**	67		
		3	TSD	9.78	1:00	R	60	2288	60	477		40	**1/2**	0.12	5/8	**- 1/8**	71		
		1	TSD	10.33	6:03	L	270	1834	270	760		40	**4 3/4**	4.78	4 3/8	**3/8**	43		
		1	TSD	10.88	6:05	R	270	1414	270	70		40	**4 3/4**	4.81	4 3/8	**3/8**	43		
		1	TSD	11.17	6:17	L	270	391	270	60		40	**5**	5.04	4 3/8	**5/8**	43		
		1	TSD	11.40	5:59	R	270	819	270	51		40	**4 3/4**	4.70		**7/8**	43		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	TSD	11.71	6:05	L	270	1152	270	594		30	2 7/8	2.83	3 7/8	-1	37		Bridge & curve 11.6 to 11.8 - 30 MPH
		1	TSD	12.09	4:00	L	210	720	210	366		40	3 1/2	3.48	1 1/4	2 1/4	48		
		1	TSD	12.35	6:25	R	270	403	270	13		35	4 1/2	4.50	5	- 1/2	41		
		1	TSD	12.52	6:30	L	270	329	270	165		35	4 1/2	4.57	4 1/4	1/4	41		
		1	TSD	12.71	6:54	R	300	183	300	12		35	5	4.92	4 1/8	7/8	41		
		1	TSD	12.84	4:00	L	240	133	240	794		40	3 1/2	3.48	2 7/8	5/8	48		
		3	TSD	13.10	0:33	L	90	510	90	927		40	1/2	0.00	1/2	0	95		
		1	TSD	13.42	2:00	L	210	219	210	1777		40	1 1/4	1.24	7/8	3/8	55		
			TSD	13.75														Widdifield	
		3	TSD	14.05	0:42	L	120	2324	120	1988		40	1/2	0.00	1/4	1/4	85		
		1	TSD	14.75	5:20	R	270	347	270	10		40	5	4.97	4 7/8	1/8	46		
		1	TSD	14.94	5:30	L	270	747	270	2650		40	4 1/4	4.16	4 3/4	- 1/2	43		
		1	TSD	15.68	5:24	R	330	588	210	0		40	4	4.05	4 5/8	- 5/8	43		
		1	TSD	15.77	2:54	R	0	0	0	0		40	2 1/4	2.25	2 3/4	- 1/2	51		
		1	TSD	15.92	2:40	R	120	655	120	987		40	2	1.99	1 7/8	1/8	52		
		1	TSD	16.23	4:10	L	270	822	270	193		40	3 5/8	3.67	2 7/8	3/4	48		
		1	TSD	16.50	6:10	L	240	450	240	15		40	4 7/8	4.91	4 3/8	1/2	43		
		1	TSD	16.80	6:00	R	270	1705	270	85		40	4 3/4	4.72	3 5/8	1 1/8	43		
		1	TSD	17.10	6:00	L	270	214	270	75		40	4 3/4	4.72	4 3/8	3/8	43		
		1	TSD	17.26	6:10	R	270	236	270	42		40	5	4.91	4 3/8	5/8	43		
		1	TSD	17.43	6:00	L	300	246	300	92		40	4 3/4	4.72	4 3/8	3/8	43		
		1	TSD	17.58	6:00	R	270	235	270	190		40	4 3/4	4.72	4 3/8	3/8	43		
		1	TSD	17.80	4:00	L	240	507	240	253		40	3 1/2	3.48	3 3/8	1/8	48		
		1	TSD	18.03	1:30	L	240	451	240	4224		40	3/4	0.68	1 1/2	- 3/4	60		
			TSD	18.31														Mulock	
		3	TSD	19.02	1:02	R	120	888	120	442		40	1/2	0.16	5/8	- 1/8	70		
		1	TSD	20.10	1:58	R	120	1249	120	1516		40	1 1/4	1.20	1 1/2	- 1/4	56		
		1	TSD	20.68	2:00	R	180	1036	180	476		40	1 1/4	1.24	1 5/8	- 3/8	55		
		1	TSD	20.94	4:30	R	210	144	210	162		40	4	4.04	3 1/2	1/2	47		
		1	TSD	21.14	6:03	L	270	886	270	40		40	4 3/4	4.78	4 7/8	- 1/8	43		
		1	TSD	21.32	5:05	R	210	405	210	1311		40	3 5/8	3.69	4 3/8	- 3/4	43		
		1	TSD	21.75	3:30	L	210	656	210	9		40	3	2.92	2 3/4	1/4	49		
		1	TSD	21.91	4:00	R	210	215	210	65		40	3 1/2	3.48	3 1/8	3/8	48		
		1	TSD	22.06	2:30	L	180	303	180	1410		40	1 7/8	1.80	2 5/8	- 3/4	53		
		1	TSD	22.45	1:30	L	210	222	210	80		40	3/4	0.68	5/8	1/8	60		
		1	TSD	22.61	2:00	R	180	486	180	70		40	1 1/4	1.24	1 1/8	1/8	55		
		1	TSD	22.83	6:00	L	300	782	300	74		40	4 3/4	4.72	4 1/2	1/4	43		
		1	TSD	23.04	5:00	R	210	300	210	21		40	3 5/8	3.60	3 3/8	1/4	44		
		1	TSD	23.18	3:55	L	210	384	210	1030		40	3 3/8	3.39	2 3/8	1	48		
		1	TSD	23.54	6:10	R	330	278	330	1248		40	5	4.91	5 1/8	- 1/8	43		
		3	TSD	23.91	1:02	R	60	423	60	1790		40	1/2	0.16	1/2	0	70		
		1	TSD	24.37	6:14	R	240	260	240	10		40	5	4.98	4 3/8	5/8	43		
		1	TSD	24.57	6:06	L	240	838	240	155		40	5	4.83	4 1/2	1/2	43		
		1	TSD	24.89	3:03	R	180	1191	180	987		40	2 1/2	2.42	2 5/8	- 1/8	51		
		3	TSD	25.25	1:00	R	60	571	60	705		40	1/2	0.12	1/2	0	71		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	TSD	25.56	1:59	R	120	940				40	1 1/4	1.22	1 5/8	- 3/8	55		
		1	TSD	25.71	2:04	R		400				40	1 3/8	1.31	1 5/8	- 1/4	55		
		1	TSD	25.80	1:32	R		800				40	3/4	0.72	1 1/8	- 3/8	59		
		1	TSD	25.94	1:28	R		529	90	6683		40	5/8	0.64	1 1/8	- 1/2	59		
		1	TSD	27.40	2:00	L	120	775	120	1438		40	1 1/4	1.24	1 5/8	- 3/8	55		
			TSD	27.53														Tomiko	
		1	TSD	27.92	6:04	L	240	1402	240	254		40	4 3/4	4.79	4 3/4	0	43		
		1	TSD	28.20	6:03	R	240	119				40	4 3/4	4.78	5	- 1/4	43		
		1	TSD	28.30	6:00	R		800				40	4 3/4	4.72	5	- 1/4	43		
		1	TSD	28.43	5:52	R		108	240	2538		40	4 3/4	4.57	5	- 1/4	43		
		1	TSD	29.12	2:15	R	135	1913	135	282		40	1 1/2	1.52	1 5/8	- 1/8	53		
		1	TSD	29.52	6:01	L	240	860	240	2256		40	4 3/4	4.74	5 1/4	- 1/2	43		
		1	TSD	30.12	1:56	L	120	465	120	737		40	1 1/4	1.17	1 5/8	- 3/8	56		
		1	TSD	30.40	1:52	R	120	260	120	1200		40	1 1/8	1.09	1 1/2	- 3/8	56		
		1	TSD	30.79	2:00	L	120	605	120	1163		40	1 1/4	1.24	1 1/2	- 1/4	55		
		1	TSD	31.22	6:20	R	330	468	330	38		40	5	5.09	5	0	42		
		1	TSD	31.41	5:54	L	330	341	330	10		40	4 5/8	4.61	4 7/8	- 1/4	43		
		1	TSD	31.60	5:32	R	330	664	330	243		40	4 1/4	4.20	4 3/8	- 1/8	43		
		1	TSD	32.01	6:00	L	330	1376	330	655		40	4 3/4	4.72	4 3/4	0	43		
			TSD	32.40														Jocko	
		1	TSD	32.42	5:10	R	330	630	330	9		40	4 3/4	4.79	4 5/8	1/8	46		
		1	TSD	32.63	5:26	L	330	354	330	2673		40	5	5.09	4 1/2	1/2	46		
		1	TSD	33.36	1:00	R	120	605	120	185		40	1/2	0.12	1/8	3/8	71		
		1	TSD	33.56	2:08	L	240	418	240	70		40	1 3/8	1.39	1 1/2	- 1/8	54		
		1	TSD	33.76	3:03	R	300	965	300	2433		40	2 1/2	2.42	2 1/2	0	51		
		1	TSD	34.52	3:06	L	300	781	300	1063		40	2 1/2	2.47	2 7/8	- 3/8	50		
		1	TSD	34.98	6:14	R	300	520	300	19615		40	5	4.98	5 1/8	- 1/8	43		
			TSD	37.65														Osborne	
		1	TSD	39.10	2:00	L	240	818	240	9841		40	1 1/4	1.24	2 5/8	-1 3/8	55		
			TSD	39.70														Diver	
		3	TSD	41.20	1:00	R	120	846	120	6498		40	1/2	0.12	7/8	- 3/8	71		
			TSD	41.83														Otter	
		1	TSD	42.85	2:30	R	270	2643	270	1570		40	1 3/4	1.80	3 3/8	-1 5/8	52		
		1	TSD	43.58	6:05	L	270	1016	270	81		40	4 7/8	4.81	5 3/8	- 1/2	43		
		1	TSD	43.82	3:02	L	240	546	240	10325		40	2 3/8	2.40	2 1/4	1/8	50		
		1	TSD	46.00	2:00	R	240	712	240	1423		40	1 1/4	1.24	2	- 3/4	55		
		3	TSD	46.50	0:59	L	120	880	120	3372		40	1/2	0.10	5/8	- 1/8	71		
			TSD	47.13														Bushnell	
		1	TSD	47.32	2:49	R	270	465	270	1507		40	2 1/8	2.15	2 3/4	- 5/8	51		
		1	TSD	47.80	4:41	L	300	438	300	84		40	4 1/4	4.25	4 3/4	- 1/2	47		
		1	TSD	48.00	4:03	R	210	495	210	785		40	3 1/2	3.54	3 3/4	- 1/4	48		
		1	TSD	48.36	5:15	L	330	474	330	322		40	4 7/8	4.88	4 3/4	1/8	46		
		1	TSD	48.56	4:11	R	270	194	270	1577		40	3 3/4	3.69	3 5/8	1/8	48		
			TSD	48.63														Kenney	
		1	TSD	49.08	3:32	L	270	652	270	84		40	3	2.96	3 5/8	- 5/8	49		
		1	TSD	49.30	6:18	R	300	424	300	245		40	5	5.06	5	0	43		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	TSD	49.51	1:57	R	210	235				40	1 1/4	1.18	2 3/4	-1 1/2	56		
		1	TSD	49.65	1:42	R		575				35	1 1/4	0.46	2 3/4	-1 1/2	60		
		1	TSD	49.71	5:20	R	150	339				35	3 7/8	2.57	3 3/4	1/8	43		
		1	TSD	49.77	6:42	R		300				35	3 7/8	3.75	3 3/4	1/8	38		
		1	TSD	49.85	6:20	R		105	240	28		35	3 7/8	3.43	3 3/4	1/8	39		221 2/29
		1	TSD	49.98	6:00	L	210	758	210	23		35	4 1/4	4.15	4 1/2	- 1/4	42		
		1	TSD	50.15	5:46	R	210	393	210	87		35	4	3.94	4 1/2	- 1/2	42		
		1	TSD	50.35	5:13	L	270	739	270	2734		40	4 7/8	4.84	3 3/4	1 1/8	46		
		1	TSD	51.05	4:05	R	240	319	240	575		40	3 1/2	3.57	2 5/8	7/8	48		
		1	TSD	51.40	6:02	L	330	616	330	322		40	4 3/4	4.76	4 7/8	- 1/8	43		
		1	TSD	51.65	4:07	L	270	641	270	2600		40	3 5/8	3.61	2 1/4	1 3/8	48		
		1	TSD	52.50	6:06	R	300	1550	300	5895		40	4 7/8	4.83	4 3/8	1/2	43		
		1	TSD	53.90	2:04	R	180	642	180	638		40	1 3/8	1.31	1 1/4	1/8	55		
		1	TSD	54.25	3:31	L	240	922	240	428		40	3	2.94	1 5/8	1 3/8	49		
		1	TSD	54.42	6:05	L	270	40	270	14		40	4 3/4	4.81	4 1/8	5/8	43		
		1	TSD	54.63	6:32	R	240	256	240	70		35	4 5/8	4.60	4 1/2	1/8	41		
		1	TSD	54.80	5:22	L	300	185	300	14		40	4	4.01	3 1/8	7/8	43		
		1	TSD	55.00	5:05	R	270	607	270	315		40	4 5/8	4.69	4 1/4	3/8	46		
		1	TSD	55.30	6:07	L	270	817	472	2062		40	4 7/8	4.85	4 3/8	1/2	43		
			TSD	55.75														Redwater	
		1	TSD	56.00	4:00	R	270	403	270	1328		40	3 1/2	3.48	4 1/4	- 3/4	48		
		1	TSD	56.46	1:30	L	150	921	150	2888		40	3/4	0.68	1 1/8	- 3/8	60		
		3	TSD	57.22	1:00	R	120	765	120	4498		40	1/2	0.12	5/8	- 1/8	71		
		1	TSD	58.25	4:00	L	330	467	330	288		40	3 1/2	3.48	3 3/4	- 1/4	48		
		1	TSD	58.53	3:00	R	240	735	240	5230		40	2 3/8	2.36	2 7/8	- 1/2	51		
		3	TSD	59.80	1:02	R	90	1458	90	127		40	1/2	0.16	1	- 1/2	70		
		1	TSD	60.07	2:41	L	240	392	240	2292		40	2	2.01	2 7/8	- 7/8	52		
		3	TSD	60.63	1:03	L	120	415	120	1602		40	1/2	0.18	1 1/8	- 5/8	69		
		1	TSD	61.07	4:06	R	270	149	270	1427		40	3 1/2	3.59	4 1/2	-1	48		
		1	TSD	61.66	2:00	R	150	2315	150	1146		40	1 1/4	1.24	1	1/4	55		
		1	TSD	62.21	4:01	L	270	353	270	69		40	3 1/2	3.50	4 1/8	- 5/8	48		
		1	TSD	62.42	3:03	R	240	645	240	590		40	2 1/2	2.42	2 7/8	- 3/8	51		
		3	TSD	62.69	1:08	L	120	435	120	1610		40	1/2	0.27	5/8	- 1/8	66		
		3	TSD	63.15	0:57	R	120	698	120	148		40	1/2	0.06	1/2	0	73		
		1	TSD	63.35	2:54	L	210	396	210	4746		40	2 1/4	2.25	3	- 3/4	51		
			TSD	63.95														Doherty	
		1	TSD	64.43	3:00	R	240	804	240	365		40	2 3/8	2.36	2 5/8	- 1/4	51		
		3	TSD	64.74	0:59	L	120	940	120	3860		40	1/2	0.10	3/4	- 1/4	71		
		1	TSD	65.70	3:00	L	300	713	300	583		40	2 3/8	2.36	2 3/8	0	51		
		1	TSD	66.03	3:02	R	270	451	270	786		40	2 3/8	2.40	2 5/8	- 1/4	50		
			TSD	66.37														Roxboro	
		3	TSD	66.41	0:55	L	120	301	120	1692		40	1/2	0.03	1 3/8	- 7/8	74		
		1	TSD	66.83	6:07	L	330	801	330	496		40	4 7/8	4.85	4 1/4	5/8	43		
		1	TSD	67.16	6:17	L	330	414	330	941		35	4 3/8	4.39	4 1/2	- 1/8	41		
		1	TSD	67.55	6:11	R	300	610	300	393		40	4 7/8	4.93	4 1/8	3/4	43		
		1	TSD	67.84	3:58	L	330	365	330	576		40	3 1/2	3.44	1 3/4	1 3/4	48		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	TSD	68.10	4:03	R	240	300	240	878		**40**	**3 1/2**	3.54	1 7/8	**1 5/8**	48		
		1	TSD	68.50	5:07	R	307	758	307	281		**40**	**4 3/4**	4.73	4	**3/4**	47		
		1	TSD	68.76	4:07	L	300	502	300	975		**40**	**3 5/8**	3.61	2 7/8	**3/4**	48		
		3	TSD	69.10	1:00	R	120	343	120	3735		**40**	**1/2**	0.12	1	**- 1/2**	71		
		1	TSD	70.01	2:11	L	240	1429	240	2190		**40**	**1 1/2**	1.45	7/8	**5/8**	54		
		1	TSD	70.75	2:30	R	240	812	240	737		**40**	**1 3/4**	1.80	1 5/8	**1/8**	52		
		1	TSD	71.27	3:30	R	240	2489	240	28		**40**	**3**	2.92	3	**0**	49		
		1	TSD	71.70	5:10	L	240	580	240	1758		**40**	**4 3/4**	4.79	3	**1 3/4**	46		
			TSD	71.86														Temagami	
		1	TSD	72.26	3:00	R	270	760	270	1633		**35**	**1 1/2**	1.57	1 1/4	**1/8**	46		
		1	TSD	72.77	4:00	R	300	280	300	235		**40**	**3 1/2**	3.48	2 1/2	**1**	48		
		1	TSD	73.08	6:03	L	330	1255	330	2067		**40**	**4 7/8**	4.78	4 3/4	**0**	43		
		1	TSD	73.72	3:03	R	270	241	270	2891		**40**	**2 1/2**	2.42	2 5/8	**- 1/8**	51		
		1	TSD	74.50	4:30	L	330	1146	330	237		**40**	**4**	4.04	4 7/8	**- 7/8**	47		
		1	TSD	74.84	3:01	R	300	520	300	661		**40**	**2 3/8**	2.38	2 3/4	**- 1/2**	50		
		1	TSD	75.18	4:13	L	330	299	300	432		**40**	**3 3/4**	3.72	4 3/8	**- 3/4**	48		
		1	TSD	75.48	3:00	R	300	705	300	952		**40**	**2 3/8**	2.36	2 3/8	**- 1/8**	51		
				75.90														Goward	
		1	TSD	75.94	1:30	R	200					**40**	**3/4**	0.68	1 1/4	**- 5/8**	60		
		3	TSD	76.44	1:00	R		6825				**40**	**1/2**	0.12	1 3/8	**- 7/8**	71		
		1	TSD	77.12	1:32	R			200	1960		40	**3/4**	0.72		**- 5/8**	59		
		1	TSD	77.66	4:08	L	330	434	330	350		**40**	**3 5/8**	3.63	4 1/2	**-1**	48		
		3	TSD	77.89	1:00	L	120	402	120	2382		**40**	**1/2**	0.12	1/2	**- 1/8**	71		
			TSD	78.50														Owaissa	
		1	TSD	78.62	3:30	R	270	1705	270	804		**40**	**3**	2.92	2	**1**	49		
		1	TSD	79.14	3:00	L	300	1132	300	106		**40**	**2 3/8**	2.36	2 3/8	**- 1/8**	51		
		1	TSD	79.41	3:55	R	330	62	330	702		**40**	**3 3/8**	3.39	3 5/8	**- 3/8**	48		
		1	TSD	79.70	5:11	R	330	228	330	385		**40**	**4 3/4**	4.81	4 5/8	**0**	46		
		1	TSD	79.93	5:09	L	330	114	330	854		**40**	**4 3/4**	4.77	4 5/8	**0**	46		
		3	TSD	80.17	0:52	R	120	358	120	200		**40**	**1/2**	0.00	1	**- 1/2**	76		
		1	TSD	80.39	4:01	L	330	570	330	1514		**40**	**3 1/2**	3.50	2 7/8	**1/2**	48		
		2b	TSD	80.87	3:07	L	250	244	250	8		**35**	**1 5/8**	1.67	7/8	**3/4**	46		Speed reduced 80.8 to 81.3
		2b	TSD	81.00	7:00	R	275	276	275	17		**35**	**5**	5.00	5 1/4	**- 3/8**	40		Speed reduced 80.8 to 81.3
		2b	TSD	81.15	5:07	L	275	297	275	823		**35**	**3 3/8**	3.39	2 1/2	**7/8**	42		Speed reduced 80.8 to 81.3
		1	TSD	81.45	5:28	L	330	185	330	87		**40**	**4 1/8**	4.12	3 1/8	**1**	43		
		1	TSD	81.56	4:12	R	330	185	330	1299		**40**	**3 3/4**	3.70	2 5/8	**1 1/8**	48		
		1	TSD	82.06	3:58	R	210	1070	210	17		**40**	**3 1/2**	3.44	2 1/2	**7/8**	48		
		1	TSD	82.27	6:18	L	330	210	330	6		**40**	**5**	5.06	5 1/8	**- 1/4**	43		
		1	TSD	82.49	6:22	R	330	289	330	6		**40**	**5**	5.13	4 7/8	**1/8**	42		
		1	TSD	82.72	5:34	L	330	1030	330	2484		**40**	**4 1/4**	4.23	3 5/8	**1/2**	43		
			TSD	82.90														Kelso	
			TSD	83.25														Kelso	
		1	TSD	83.43	6:04	R	275	413	275	19		**40**	**4 3/4**	4.79	4 1/8	**5/8**	43		
		1	TSD	83.61	6:07	L	275	409	275	439		**40**	**4 7/8**	4.85	4 3/8	**3/8**	43		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	TSD	83.85	3:01	R	300	64	300	15		**40**	**2 3/8**	2.38	1 1/4	**1**	50		
		1	TSD	84.00	4:08	L	330	298	330	162		**40**	**3 5/8**	3.63	2 1/2	**1**	48		
		1	TSD	84.19	5:02	R	330	33	330	392		**40**	**4 5/8**	4.64	4 1/8	**3/8**	47		
		1	TSD	84.45	1:59	L	240	802	240	253		**40**	**1 1/4**	1.22	3/4	**1/2**	55		
		1	TSD	84.68	3:07	R	300	52	300	32		**40**	**2 1/2**	2.49	1 3/4	**5/8**	50		
		1	TSD	84.89	4:39	L	330	774	330	66		**40**	**4 1/4**	4.21	3 1/4	**1**	47		
		1	TSD	85.16	6:04	R	330	683	330	166		**40**	**4 3/4**	4.79	5	**- 1/4**	43		
		1	TSD	85.38	2:47	L	270	77	270	1936		**40**	**2 1/8**	2.12	1/2	**1 5/8**	51		
		1	TSD	85.88	6:30	R	330	102	330	660		**35**	**4 1/2**	4.57	5 1/4	**-1 1/8**	41		
			TSD	86.00														Freeman	
		1	TSD	86.17	3:00	L	300	397	300	1629		**40**	**2 3/8**	2.36	1 7/8	**1/2**	51		
		1	TSD	86.67	3:54	R	330	328	330	21		**40**	**3 3/8**	3.37	2 1/2	**7/8**	48		
		1	TSD	86.87	6:18	L	330	461	330	374		**40**	**5**	5.06	5 1/8	**- 1/4**	43		
		1	TSD	87.11	6:23	L	260	180	260	6		**40**	**5**	5.15	5 1/4	**- 1/4**	42		
		1	TSD	87.25	6:16	R	270	165	270	210		**40**	**5**	5.02	5	**0**	43		
		1	TSD	87.41	3:01	L	135	295	135	542		**40**	**2 3/8**	2.38	3/4	**1 1/2**	50		
		1	TSD	87.62	3:44	R	180	264	180	400		**40**	**3 1/8**	3.18	2 5/8	**1/2**	48		
		3	TSD	87.76	1:05	L	100					40	**1/2**	0.21		**- 1/2**	68		
		1	TSD	87.85	1:30	L		759				**40**	**1**	0.68	1	**0**	62		
		1	TSD	87.93	1:45	L			130	312		**40**	**1**	0.96	5/8	**0**	57		
		3	TSD	88.01	0:30	R		80		1389		**40**	**1/2**	0.00	2 3/8	**- 1/8**	100		
		1	TSD	88.35	2:13	R	105	525	105	1138		**40**	**1 1/2**	1.48	5/8	**3/8**	54		
		1	TSD	88.69	2:30	L	120	371	120	28		**40**	**1 3/4**	1.80	1 1/8	**5/8**	52		
		1	TSD	88.80	6:36	R	200	154	200	64		**35**	**4 1/2**	4.66	4 1/2	**- 1/8**	40		
		1	TSD	88.99	6:08	L	270	659	270	311		**40**	**4 7/8**	4.87	4 7/8	**- 1/8**	43		
		1	TSD	89.34	2:00	R	100	1736	100	1114		**40**	**1 1/4**	1.24	1 1/8	**1/8**	55		
			TSD	89.70														Johnson	
		1	TSD	89.78	2:25	L	120	772	120	113		**40**	**1 3/4**	1.71	1	**5/8**	53		
		1	TSD	90.08	3:01	R	150	995	150	880		**40**	**2 3/8**	2.38	1 1/2	**3/4**	50		
		1	TSD	90.46	5:06	L	225	502	225	98		**40**	**4 3/4**	4.71	3 1/2	**1 1/4**	47		
		1	TSD	90.65	5:00	R	225	464	225	985		**40**	**4 5/8**	4.60	3 1/2	**1**	47		
		1	TSD	91.08	1:32	L	180	1372	180	220		**40**	**3/4**	0.72	1/2	**1/4**	59		
		1	TSD	91.35	5:12	R	330	227	300	7		**40**	**4 7/8**	4.82	4 1/4	**5/8**	47		
		1	TSD	91.53	6:01	L	330	579	300	5		**40**	**4 3/4**	4.74	5	**- 3/8**	43		
		1	TSD	91.73	2:02	R	240	687	240	614		**40**	**1 1/4**	1.28	1	**1/4**	55		
		1	TSD	92.03	3:00	R	300	594	300	1735		**40**	**2 3/8**	2.36	1 3/8	**7/8**	51		
		1	TSD	92.54	3:01	L	300	592	300	118		**40**	**2 3/8**	2.38	1 1/2	**3/4**	50		
		1	TSD	92.75	5:04	R	330	447	330	103		**40**	**4 5/8**	4.67	3 3/8	**1 1/8**	46		
		1	TSD	92.96	3:00	L	300	549	300	144		**40**	**2 3/8**	2.36	1 1/2	**3/4**	51		
		1	TSD	93.18	4:05	R	330	457	330	630		**40**	**3 1/2**	3.57	2 7/8	**5/8**	48		
		1	TSD	93.52	2:30	L	270	925	270	10		**40**	**1 3/4**	1.80	1 1/8	**1/2**	52		
		1	TSD	93.75	2:35	R	270	768	270	543		**30**	**1 7/8**	0.63	1 1/4	**1/2**	52		
		1	TSD	94.11	4:00	R	330	1270	330	599		**40**	**3 1/2**	3.48	1 7/8	**1 5/8**	48		
			TSD	94.18														Latchford	
		1	TSD	94.48	2:00	L	240	718	240	1057		**40**	**1 1/4**	1.24	2 3/8	**-1 1/8**	55		
		3	TSD	94.89	1:01	R	120	989	120	1740		**40**	**1/2**	0.14	1 1/2	**-1**	70		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	TSD	95.46	3:00	L	300	1051	250	15		40	2 3/8	2.36	1 1/2	3/4	51		CHANGED TO 1.5", Oct., 2007
		1	TSD	95.72	6:00	R	275	894	330	1425		40	4 3/4	4.72	5	- 1/4	43		
		1	TSD	96.19	4:00	L	330	173	330	14		40	3 1/2	3.48	2 3/8	1 1/8	48		
		1	TSD	96.35	3:59	R	330	539	275	58		40	3 1/2	3.46	2 3/4	3/4	48		
		1	TSD	96.54	6:07	L	330	331	275	2		40	4 7/8	4.85	4 3/8	3/8	43		
		1	TSD	96.69	5:21	R	275	172	330	44		40	5	4.99	3 3/4	1 1/4	46		
		1	TSD	96.84	4:05	L	180	356	180	1202		40	3 1/2	3.57	2 1/8	1 1/4	48		
		1	TSD	97.28	3:00	R	300	935	300	2917		40	2 3/8	2.36	2 7/8	- 1/2	51		
			TSD	97.50														Lorrain	
		1	TSD	98.10	2:59	R	300	1101	300	987		40	2 3/8	2.34	2 1/8	1/4	51		
		1	TSD	98.56	5:01	L	330	795	275	20		40	4 5/8	4.62	3 3/4	1	47		
			TSD	98.70														Gillies	
		1	TSD	98.80	5:00	R	275	784	330	363		40	4 5/8	4.60	4	5/8	47		
		1	TSD	99.08	6:06	L	330	370	330	1534		40	4 7/8	4.83	4 3/4	0	43		
			TSD	99.40														Cassidy	
		1	TSD	99.60	3:00	R	300	867	300	715		40	2 3/8	2.36	2 1/4	1/8	51		
		1	TSD	100.10	6:00	L	330	1633	330	478		40	4 3/4	4.72	4 1/8	1/2	43		
		1	TSD	100.55	6:04	R	330	891	330	1350		40	4 3/4	4.79	5	- 1/4	43		
		1	TSD	101.07	6:05	L	330	516	330	544		40	4 3/4	4.81	5 1/4	- 5/8	43		
		1	TSD	101.37	4:01	L	300	294	300	147		40	3 1/2	3.50	2 1/2	1	48		
		1	TSD	101.60	2:28	R	240	756				40	1 3/4	1.76	2 5/8	-1 3/8	52		
		1	TSD	101.72	5:01	R	90	339	330	1237		35	3 3/8	3.30	3 1/2	1/4	43		
		1	TSD	102.12	4:00	R	300	234	300	1265		40	3 1/2	3.48	3 5/8	- 1/8	48		
			TSD	102.40														Coleman	
		1	TSD	102.57	5:06	L	330	762	330	467		40	4 3/4	4.71	4 3/4	0	47		
			TSD	102.84														Cobalt	
		1	TSD	102.90	5:00	R	330	500				40	4 5/8	4.60	4 3/4	- 1/8	47		
		1	TSD	102.97	4:56	R		250				40	4 1/2	4.53	4 3/4	- 1/4	47		
		1	TSD	103.02	4:56	R		250	330	97		40	4 1/2	4.53	4 3/4	- 1/4	47		
		1	TSD	103.24	6:12	L	330	560	330	1180		40	5	4.94	4 1/2	1/8	43		
		1	TSD	103.63	3:00	R	300	1088	300	1438		40	2 3/8	2.36	1 3/8	1	51		
		1	TSD	104.22	4:00	L	330	999	330	891		40	3 1/2	3.48	3	3/8	48		
		1	TSD	104.73	3:00	R	300	1392	300	1257		40	2 3/8	2.36	1 3/4	5/8	51		
		1	TSD	105.31	5:00	L	515	733	462	962		40	4 5/8	4.60	4 3/8	1/8	47		
			TSD	105.71														North Cobalt	
		1	TSD	105.80	3:00	R	240	907	240	1835		40	2 3/8	2.36	2 7/8	- 1/2	51		
		1	TSD	106.42	2:02	L	330	1320	330	1821		40	1 1/4	1.28	1	1/4	55		
		3	TSD	106.99	1:02	L	120	691	120	2806		40	1/2	0.16	1	- 1/2	70		
			TSD	107.51														Haileybury	
		1	TSD	107.76	1:54	L	180	1222	180	172		40	1 1/8	1.13	1	0	56		
		1	TSD	108.01	3:05	R	240	458	240	578		40	2 1/2	2.45	2 7/8	- 1/4	50		
		1	TSD	108.28	3:01	L	240	591	240	2083		40	2 3/8	2.38	3 1/8	- 7/8	50		
		1	TSD	108.85	5:05	R	330	549	330	45		40	4 5/8	4.69	3 3/4	3/8	46		
		1	TSD	109.21	5:02	L	330	2101	330	883		40	4 5/8	4.64	4 1/8	1/2	47		
		1	TSD	109.83	6:04	R	330	1510	330	986		40	4 3/4	4.79	5 1/2	- 3/4	43		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		3	TSD	110.36	0:53	L	90	1424	90	535		40	**1/2**	0.00	7/8	**- 3/8**	75		
		1	TSD	110.69	2:54	R	180	416	180	386		40	**2 1/4**	2.25	1 1/2	**3/4**	51		
		1	TSD	110.92	4:55	L	330	371	330	211		40	**4 1/2**	4.51	4 1/8	**1/4**	47		
		1	TSD	111.10	4:40	R	240	103	240	3324		40	**4 1/4**	4.23	3 3/8	**7/8**	47		
		1	TSD	111.89	4:00	R	240	608	240	20		40	**3 1/2**	3.48	2 5/8	**7/8**	48		
		1	TSD	112.06	4:23	L	240	250	240			35	**2 3/4**	2.76	2 7/8	**- 1/4**	43		111.9 to North Sw New Lisk - 35 MPH
		1	TSD	112.22	2:45	L	90	96				35	**1 3/8**	1.36		**- 3/8**	48		
		3	TSD	112.41	1:16	L		1545	90	33351		35	**1/2**	0.09	1 3/4	**-1 1/4**	63		
			TSD	112.68														New Liskeard	
			TSD	118.10														Uno Park	
		3	TSD	118.93	2:00	R	90	1542	90	***14358***		10	**1/2**	0.00	1 3/8	**-2 1/2**	50		118.9 to 119.3 (bridge) - 10 MPH
		3	TSD	121.92	0:30	L		1133		***8815***		40	**1/2**	0.00	5/8	**- 1/8**	100		Spiral added at both ends of curve.
		2	TSD	123.90	2:02	L	90	1488	90	7146		40	**1 1/4**	1.28	5/8	**-1 1/4**	55		
			TSD	124.81														Thornloe	
		3	TSD	125.55	1:00	L	60	1279	60	2126		40	**1/2**	0.12	5/8	**- 1/8**	71		
		3	TSD	126.22	1:00	L	60	1582	60	2599		40	**1/2**	0.12	1	**- 1/2**	71		
		1	TSD	126.85	2:12	R	100	1500	100	5084		40	**1 1/2**	1.46	3	**-1 1/2**	54		
		1	TSD	128.20	2:00	R	300	1564	300	16492		40	**1 1/4**	1.24	2 1/4	**-1**	55		
			TSD	128.20														Earlton	
		1	TSD	131.85	3:45	R	270	1620	270	1699		40	**3 1/4**	3.20	5 3/8	**-2 1/8**	49		
		1	TSD	132.56	2:45	L	270	2410	270	2261		40	**2 1/8**	2.08	3 1/2	**-1 1/2**	52		
		1	TSD	133.37	1:59	L	240	1154	240	992		40	**1 1/4**	1.22	3	**-1 3/4**	55		
		2	TSD	133.82	2:29	R	270	968	270	6508		40	**1 3/4**	1.78	1 3/4	**0**	52		
			TSD	134.96														Heaslip	
		1	TSD	135.39	2:00	L	240	2515	240	15107		40	**1 1/4**	1.24	2 1/2	**-1 1/4**	55		
		1	TSD	138.51														Englehart	

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
			RSD	0.00						7737								Englehart	
		3	RSD	1.74	2:30	R	270	2360	270	22043		15	1/2	0.00	3/4	- 1/4	45		
		1	RSD	2.33														Kadman	
		1	RSD	4.89														Wawabewawa	
		1	RSD	6.28	2:30	L	270	470	270	1263		40	1 3/4	1.80	1 7/8	- 1/8	52		
		1	RSD	6.80	2:00	R	240	1350	240	1043		40	1 1/4	1.24	3/4	1/2	55		
		1	RSD	7.28	4:00	L	300	600	300	693		40	3 1/2	3.48	4 3/8	- 7/8	48		
		1	RSD	7.62	2:00	R	210	589	210	652		35	3/4	0.72	1 1/8	- 3/8	52		
			RSD	7.93														Krugerdor	
		1	RSD	8.06	1:30	L	180	1938	180	2018		40	3/4	0.68	5/8	1/8	60		
		1	RSD	8.86	4:00	R	300	1540	300	368		40	3 1/2	3.48	4 3/4	-1 1/4	48		
		1	RSD	9.30	3:00	L	270	1187	270	2570		40	2 3/8	2.36	3 1/8	- 3/4	51		
		1	RSD	10.10	4:00	L	300	1165	300	2969		40	3 1/2	3.48	4 3/8	- 7/8	48		
		1	RSD	11.00	4:00	R	300	1016	300	117		40	3 1/2	3.48	4	- 1/2	48		
			RSD	11.00														South Mindoka	
		1	RSD	11.34	4:02	L	300	1163	300	178		40	3 1/2	3.52	3 7/8	- 3/8	48		
		1	RSD	11.64	4:06	R	300	679	300	1331		40	3 1/2	3.59	4 1/4	- 3/4	48		
		1	RSD	12.15	1:20	R	120	1683	120	4109		40	1/2	0.49	1/2	0	61		
			RSD	12.55														Mindoka	
		1	RSD	13.21	4:00	L	270	430	270	502		40	3 1/2	3.48	4 1/8	- 5/8	48		
		1	RSD	13.52	4:00	R	300	700	300	91		40	3 1/2	3.48	4 1/4	- 3/4	48		
		1	RSD	13.77	4:00	L	330	500	330	1627		40	3 1/2	3.48	3 7/8	- 3/8	48		
		1	RSD	14.29	4:00	L	330	369	330	130		30	1 1/2	1.52	4 1/2	-3	40		
			RSD	14.43														Boston Creek	
		1	RSD	14.59	4:00	R	300	1260	208	77		30	1 1/2	1.52	3 3/4	-2 1/4	40		
		1	RSD	14.80	3:30	L	60	226	60	0		25	1/2	0.53	1/2	0	38		
		1	RSD	14.86	3:30	R	60	87	60	433		25	1/2	0.53	1/2	0	38		
			RSD	14.92														Adams Junction	
		1	RSD	15.09	4:00	L	210	968	210	270		25	3/4	0.75	2	-1 1/4	37		
		1	RSD	15.10														Boston Creek	Boston Creek Bridge
		1	RSD	15.27															Bridge
		1	RSD	15.30	4:00	R	300	300	300	631		40	3 1/2	3.48	5 3/8	-1 7/8	48		
		1	RSD	15.66	4:00	L	300	1187	300	2104		40	3 1/2	3.48	4 3/8	- 7/8	48		
		1	RSD	16.40	2:00	R	240	960	240	2876		40	1 1/4	1.24	2 1/4	-1	55		
		1	RSD	17.18	2:51	L	270	383	270	532		40	2 1/4	2.19	3 3/4	-1 1/2	51		
		1	RSD	17.46	3:00	R	300	401	300	1644		40	2 3/8	2.36	4 1/4	-1 7/8	51		
			RSD	17.80														Rosegrove	
		1	RSD	18.00	4:00	L	330	620	330	83		40	3 1/2	3.48	3 3/4	- 1/4	48		
		1	RSD	18.24	4:05	R	330	538	330	1048		40	3 1/2	3.57	3 7/8	- 3/8	48		
		1	RSD	18.84	4:00	R	300	1790	300	124		40	3 1/2	3.48	4	- 1/2	48		
		1	RSD	19.14	4:07	L	300	557	300	37		40	3 5/8	3.61	3 1/8	1/2	48		
		1	RSD	19.38	4:04	R	300	404	300	448		40	3 1/2	3.55	4	- 1/2	48		
		1	RSD	19.70	4:01	L	300	894	300	1959		40	3 1/2	3.50	3 7/8	- 3/8	48		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		3	RSD	20.27	1:01	L	135	313	0	0		40	1/2	0.14	1 3/4	-1 1/4	70		
		3	RSD	20.44	0:59	L	0	1200	0	0		40	1/2	0.10	1 3/4	-1 1/4	71		
		3	RSD	20.54	1:02	L	0	600	0	0		40	1/2	0.16	1 3/4	-1 1/4	70		
		3	RSD	20.68	1:01	L	0	592	135	5365		40	1/2	0.14	1 3/4	-1 1/4	70		
			RSD	21.86														Dane	
		1	RSD	21.96	3:00	R	300	707	300	120		40	2 3/8	2.36	4	-1 5/8	51		
		1	RSD	22.35	2:00	L	240	2083	240	133		40	1 1/4	1.24	2 3/8	-1 1/8	55		
		1	RSD	22.70	4:16	R	330	289	330	3116		40	3 3/4	3.78	4 1/2	- 3/4	48		
		3	RSD	23.73	0:49	L	120	3465	0	0		40	1/2	0.00	7/8	- 3/8	78		
		1	RSD	24.23	4:03	L	330	897	330	247		40	3 1/2	3.54	2 1/2	1	48		
		1	RSD	24.70	4:00	R	330	1890	330	192		40	3 1/2	3.48	4 1/4	- 3/4	48		
		1	RSD	25.13	3:59	L	330	1478	330	618		40	3 1/2	3.46	4 5/8	-1 1/8	48		
		1	RSD	25.53	4:00	R	300	301	300	2913		40	3 1/2	3.48	4 3/8	- 7/8	48		
			RSD	26.04														Swastika	
		1	RSD	26.33	2:30	L	150	1375	150	1296		40	1 3/4	1.80	2 1/2	- 3/4	52		
		1	RSD	26.85	2:00	R	210	572	210	2734		40	1 1/4	1.24	3 1/4	-2	55		
		1	RSD	27.51	4:12	L	240	362	240	39		40	3 3/4	3.70	4	- 1/4	48		
		1	RSD	27.72	4:09	R	330	610	330	951		40	3 5/8	3.65	3 7/8	- 1/4	48		
		1	RSD	28.17	1:52	L	210	1071	210	934		40	1 1/8	1.09	2 1/2	-1 3/8	56		
		3	RSD	28.56	0:56	R	120	503	0	0		40	1/2	0.05	2 1/2	-2	73		
		3	RSD	28.70	1:03	R	0	733	0	0		40	1/2	0.18	2 1/2	-2	69		
		1	RSD	28.90	4:13	R	210	139	0	0		40	3 3/4	3.72	4	- 1/4	48		South Spiral for next curve
		1	RSD	29.07	4:00	R	0	1650	0	0		40	3 1/2	3.48	4	- 1/2	48		
		1	RSD	29.27	4:08	R	0	450	0	0		40	3 5/8	3.63	4	- 3/8	48		
		1	RSD	29.41	3:52	R	0	388	330	4305		40	3 1/4	3.33	4	- 3/4	48		
			RSD	29.53														Kenogami	
		3	RSD	30.56	1:00	L	120	2270	0	0		40	1/2	0.12	1	- 1/2	71		
		3	RSD	30.86	1:06	L	0	452	120	4746		40	1/2	0.23	1	- 1/2	67		
			RSD	31.50														Goldthorpe	
		3	RSD	31.90	0:57	L	120	553	120	0		40	1/2	0.06	1 1/4	- 3/4	73		
		3	RSD	32.00	0:48	L	0	300	0	0		40	1/2	0.00	1 1/4	- 3/4	79		
		3	RSD	32.13	1:04	L	400	260	0	0		40	1/2	0.19	1 1/2	-1	68		
		3	RSD	32.18	1:12	L	0	410	0	0		40	1/2	0.34	1 1/2	-1	65		
		3	RSD	32.26	0:58	L	0	390	0	0		40	1/2	0.08	1 1/2	-1	72		
		3	RSD	32.57	1:00	L	0	2900	0	0		40	1/2	0.12	1 1/2	-1	71		
		3	RSD	32.92	1:02	L	120	628	120	2194		40	1/2	0.16	1 1/2	-1	70		
		1	RSD	33.57	3:00	R	300	934	180	0		40	2 3/8	2.36	4 1/2	-2 1/8	51		300/934/180 --> CHECK THIS OUT IN THE FIELD <---
		3	RSD	33.97	1:00	R	180	2402	150	6760		40	1/2	0.12	2 1/4	-1 3/4	71		
			RSD	34.70														Steele	
		1	RSD	35.27	3:00	L	300	90	300	102		40	2 3/8	2.36	4 1/4	-1 7/8	51		
		1	RSD	35.43	2:30	R	270	600	270	239		40	1 3/4	1.80	3 1/4	-1 1/2	52		
		1	RSD	35.71	3:00	L	300	420	300	2038		40	2 3/8	2.36	4 1/4	-1 7/8	51		
		3	RSD	36.63	1:00	L	120	4258	120	1246		40	1/2	0.12	1	- 1/2	71		
			RSD	37.30														Sesekenika	
		1	RSD	37.41	4:02	R	330	729	330	1053		40	3 1/2	3.52	4 1/8	- 5/8	48		

Curve List

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		1	RSD	37.82	3:00	R	300	225	300	2926		40	2 3/8	2.36	3 1/2	-1 1/8	51		
		1	RSD	38.55	1:57	R	180	644	180	1221		40	1 1/4	1.18	2 5/8	-1 3/8	56		
		1	RSD	38.96	1:58	L	180	582	180	1282		40	1 1/4	1.20	2 5/8	-1 3/8	56		
		3	RSD	39.39	0:59	R	120	785	120	1173		40	1/2	0.10	1 1/4	- 3/4	71		
		1	RSD	39.79	4:02	L	330	186	330	122		40	3 1/2	3.52	3	1/2	48		
		1	RSD	40.07	4:02	R	330	1217	330	1013		40	3 1/2	3.52	4 1/4	- 3/4	48		
		1	RSD	40.57	4:00	R	330	687	330	62		40	3 1/2	3.48	4	- 1/2	48		
		1	RSD	40.92	4:01	L	330	1551	330	2906		40	3 1/2	3.50	3 3/4	- 1/4	48		
		1	RSD	41.79	3:03	L	300	620	300	361		40	2 1/2	2.42	3 1/2	-1	51		
		1	RSD	42.10	4:05	R	330	661	330	11416		40	3 1/2	3.57	4 1/4	- 3/4	48		
			RSD	44.26														Bourkes	
		3	RSD	44.53	1:01	R	120	1265	120	475		40	1/2	0.14	1 3/8	- 7/8	70		
		1	RSD	44.85	1:57	L	240	375	240	1368		40	1 1/4	1.18	3 5/8	-2 3/8	56		
		1	RSD	45.28	2:54	L	270	486	270	122		40	2 1/4	2.25	3 3/4	-1 1/2	51		
		1	RSD	45.51	3:00	R	240	623	240	509		40	2 3/8	2.36	3 1/2	-1 1/8	51		
		3	RSD	45.80	1:00	L	120	1203	120	1980		40	1/2	0.12	1 5/8	-1 1/8	71		
		1	RSD	46.45	2:00	L	240	653	240	11114		40	1 1/4	1.24	3 1/4	-2	55		
		3	RSD	49.00	1:00	L	120	2795	120	2205		40	1/2	0.12	1 3/8	- 7/8	71		
			RSD	49.51														Wavell	
		3	RSD	49.70	1:00	L	120	915	120	230		40	1/2	0.12	1 5/8	-1 1/8	71		
		3	RSD	50.00	1:00	R	120	376	120	2335		40	1/2	0.12	2 1/4	-1 3/4	71		
		3	RSD	50.50	1:00	L	120	1056	120	10165		40	1/2	0.12	1 1/2	-1	71		
		3	RSD	52.70	0:36	L	60	470	60	3580		40	1/2	0.00	1/4	1/4	91		
		3	RSD	53.53	0:37	L	60	931	60	922		40	1/2	0.00	5/8	- 1/8	90		
		1	RSD	53.91	1:59	R	240	660	240	1939		40	1 1/4	1.22	3 3/4	-2 1/2	55		
		1	RSD	54.53	2:00	R	240	963	240	12805		40	1 1/4	1.24	3 5/8	-2 3/8	55		
			RSD	56.17														Ramore	
		1	RSD	57.13	2:02	R	240	590	240	297		40	1 1/4	1.28	1 7/8	- 5/8	55		
		1	RSD	57.63	2:00	L	240	2547	240	1889		40	1 1/4	1.24	2 5/8	-1 3/8	55		
			RSD	58.27														Bridge	
		1	RSD	58.33	3:10	R	240	143	240	2904		30	1	1.00	2 5/8	-1 5/8	42		
		1	RSD	59.03	3:51	R	330	307	330	3445		40	3 3/8	3.31	4 7/8	-1 1/2	49		
		1	RSD	60.00	2:00	L	240	2191	240	1734		40	1 1/4	1.24	2 5/8	-1 3/8	55		
		1	RSD	60.65	2:58	R	300	1338	300	2761		40	2 3/8	2.32	3 7/8	-1 1/2	51		
			RSD	61.51														Vimy Ridge	
		3	RSD	61.59	0:37	R	60	740	60	5289		40	1/2	0.00	1/4	1/4	90		
		1	RSD	62.71	2:47	L	300	364	300	2583		40	2 1/8	2.12	3	- 7/8	51		
		1	RSD	63.46	2:00	R	240	1357	240	6681		40	1 1/4	1.24	3 1/4	-2	55		
		1	RSD	65.10	2:00	L	240	1692	240	2116		40	1 1/4	1.24	3 1/8	-1 7/8	55		
		1	RSD	65.95	2:00	L	240	2022	240	209		35	3/4	0.72	3/4	0	52		
			RSD	66.44														Matheson	
		1	RSD	66.50	2:00	R	180	2127	180	5889		35	3/4	0.72	3/4	0	52		
		3	RSD	68.00	1:00	R	120	1279	120	28692		40	1/2	0.12	3/4	- 1/4	71		
		3	RSD	73.54	0:15	L	0	53	0	9977		40	1/2	0.00	1/8	3/8	141		
		1	RSD	75.58	3:00	R	300	949	300	4436		40	2 3/8	2.36	3 3/4	-1 3/8	51		
			RSD	76.39														Val Gagne	

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	RSD	76.65	2:00	L	210	384	210	7772		40	**1 1/4**	1.24	3 1/4	**-2**	55		
		1	RSD	78.34	3:59	L	330	853	330	4451		40	**3 1/2**	3.46	4 3/8	**- 7/8**	48		
			RSD	79.28														Monteith	
		1	RSD	79.44	4:01	R	180	828	180	4629		40	**3 1/2**	3.50	4 1/4	**- 3/4**	48		
		2	RSD	80.51	1:59	R	180	445	180	3088		40	**1 1/4**	1.22	1 1/2	**- 1/4**	55		Changed from 2 5/8 to 1 1/2 Sept 2014
		1	RSD	81.34	4:01	L	330	669	330	11423		40	**3 1/2**	3.50	4 1/4	**- 3/4**	48		CHANGED FROM 5" TO 4" Aug. 22, 2008 - RGL
			RSD	83.25														Kelso	
		1	RSD	83.74	3:59	R	330	889	330	3581		40	**3 1/2**	3.46	4	**- 1/2**	48		CHANGED FROM 4.5" TO 4" Aug. 25, 2008 - RGL
		1	RSD	84.72	4:00	L	330	971	330	5059		40	**3 1/2**	3.48	3	**1/2**	48		CHANGED FROM 4.5" TO 3" Aug. 26, 2008 - RGL
			RSD	85.68														Porquis	
		1	RSD	85.86	10:00	L		1152		1721		15	**1/2**	0.58	3/8	**1/8**	22		CHANGED FROM 0" to 0.5" Aug. 29, 2008 - RGL
			RSD	86.30															Crossing
		3	RSD	86.80	1:00	R	120	5062	120	2390		40	**1/2**	0.12	3/4	**- 1/4**	71		
		3	RSD	87.88	1:00	L	120	1053	120	3124		40	**1/2**	0.12	1 1/8	**- 5/8**	71		
			RSD	88.35														Kilburn	
			RSD	88.70														Alexo Mine	
		1	RSD	88.74	3:00	R	300	900	300	10652		40	**2 3/8**	2.36	3 1/8	**- 3/4**	51		
		1	RSD	91.01	5:00	L	330	538	330	2061		40	**4 5/8**	4.60	3 7/8	**3/4**	47		CHANGED FROM 5" TO 4" Oct. 22, 2008 - RGL
		1	RSD	91.63	3:00	L	135	954	135	3270		40	**2 3/8**	2.36	2 3/4	**- 3/8**	51		
			RSD	92.18														McIntosh Springs	
		2	RSD	92.48	3:57	R	180	868	180	608		40	**3 1/2**	3.42	2 1/2	**1**	48		M. Saunders Sept 15/14. Elevation 2.5". Body = 1,105 ft. Max spd 46. 2340' surface.
		1	RSD	92.78	4:00	L	300	78	300	1619		40	**3 1/2**	3.48	3 7/8	**- 3/8**	48		CHANGED FROM 5.5" TO 4" Oct. 7, 2008 - RGL
		1	RSD	93.23	2:59	R	135	619	135	1900		40	**2 3/8**	2.34	2 7/8	**- 1/2**	51		CHANGED FROM 4" TO 2.5" Oct. 22, 2008 - RGL
		1	RSD	93.74	3:01	R	135	482	135	619		40	**2 3/8**	2.38	2 7/8	**- 1/2**	50		CHANGED FROM 4" TO 2.5" Oct. 21, 2008 - RGL
		1	RSD	94.01	2:58	L	135	473	135	1472		40	**2 3/8**	2.32	3 1/4	**- 7/8**	51		CHANGED FROM 5" TO 2.5" Oct. 8, 2008 - RGL
		1	RSD	94.42	4:34	R	203	329	203	815		40	**4 1/8**	4.11	1 5/8	**2 1/2**	47		
			RSD	94.50														Barber's Bay	
		1	RSD	94.74	5:45	R	160	538	160	45		35	**3**	2.93	4	**-1**	39	1.125	
		1	RSD	94.91	5:30	L	240	386	200	3323		40	**4 1/8**	4.16	4 7/8	**- 3/4**	43		
		1	RSD	95.67	1:55	L	90	404	90	2251		40	**1 1/8**	1.15	2 1/2	**-1 3/8**	55		
			RSD	95.86														Connaught	Connaught Bridge
			RSD	96.00														Connaught	Connaught Bridge
		1	RSD	96.35	2:56	L	135	1077	135	1164		40	**2 1/4**	2.29	2 1/8	**1/8**	51		
		1	RSD	96.80	3:01	R	135	1004	135	2040		40	**2 3/8**	2.38	2 5/8	**- 1/4**	50		
		1	RSD	97.37	1:56	L	90	641	90	8018		40	**1 1/8**	1.17	1	**1/8**	55		
		1	RSD	99.01	3:05	R	135	278	135	3287		40	**2 1/2**	2.45	3	**- 1/2**	50		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	RSD	99.83	2:59	L	300	1200	300	706		40	**2 3/8**	2.34	3 1/4	**- 7/8**	51		
		1	RSD	100.21	3:00	R	135	654	135	11969		40	**2 3/8**	2.36	2 3/4	**- 3/8**	51		
			RSD	100.70														Dugwal	
			RSD	102.80														Keyson	
		1	RSD	102.92	3:00	L	270	331	270	2547		40	**2 3/8**	2.36	2 3/4	**- 3/8**	51		
			RSD	103.60														Hoyle	
		1	RSD	103.62	3:00	R	210	1074	210	10533		40	**2 3/8**	2.36	2 1/2	**- 1/8**	51		
		1	RSD	105.86	4:01	L	330	426	330	27931		40	**3 1/2**	3.50			48		
			RSD	106.90														Pamour	
			RSD	109.70														Porcupine	
		1	RSD	111.38	3:00	R	210	788	210	2336		40	**2 3/8**	2.36			51		
		1	RSD	112.08	3:00	R	330	781	330	319		40	**2 3/8**	2.36			51		
			RSD	112.40														South Porcupine	
		1	RSD	112.40	3:00	L	330	766	330	387		40	**2 3/8**	2.36			51		
		1	RSD	112.70	3:00	R	330	250	330	1766		40	**2 3/8**	2.36			51		
		1	RSD	113.22	6:00	R	270	451	270	1127		40	**4 3/4**	4.72			43		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		1	RSD	113.65	6:00	L	330	739	330	4564		40	**4 3/4**	4.72			43		
			RSD	114.04														Dome Junction	
		1	RSD	114.75	2:00	L	180	455	180	1901		40	**1 1/4**	1.24			55		
		1	RSD	115.31	6:05	R	310	718	310	3823		40	**4 7/8**	4.81			43		
			RSD	116.16															

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
			DSD	0.00						150								Porquis Junction	
		1	DSD	0.07	9:45	R	0	413	0	244		15	**1/2**	0.54	5/8	**- 1/8**	23		CHANGED FROM 0" to 0.5" Aug. 29, 2008 - RGL
		3	DSD	0.24	4:00	R	0	890	0	13322		15	**1/2**	0.00	1/8	**3/8**	35		
		3	DSD	3.04	2:00	L	240	1574	240	4763		30	**1/2**	0.26	2 1/8	**-1 5/8**	50		
		3	DSD	4.20	2:00	R	180	275	180	482		30	**1/2**	0.26	2	**-1 1/2**	50		
			DSD	4.30														Nellie Lake	
		1	DSD	4.46	3:00	R	210	772	210	5907		30	**7/8**	0.89	4 1/8	**-3 1/4**	43		RSI MP 4.47
		3	DSD	5.85	2:00	L	210	1255	210	88353		30	**1/2**	0.26	1 5/8	**-1 1/8**	50		RSI MP 5.89; Serge 1.5" SE 20120703
			DSD	6.90														Niddville	
			DSD	8.90														Devonshire	
			DSD	12.90														Holland	
		3	DSD	22.85	0:30	L	140	858	140	19377		40	**1/2**	0.00	3/8	**1/8**	100		Serge: 0.5" SE 20120703
			DSD	23.90														Nahma	
		1	DSD	26.76	3:55	L	330	712	330	5280		40	**3 3/8**	3.39	4 3/4	**-1 3/8**	48		Time table shows 30/30
		3	DSD	27.96	0:30	L	0	770	0	100		40	**1/2**	0.00	3/8	**1/8**	100		Time table shows 15/15

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
			KLSD	0.00						186								Swastika	Swastika Jct
		3	KLSD	0.10	12:00	R		695				10	1/2	0.00	1/2	0	20		SOUTH LEG WYE
		3	KLSD	0.19	12:00	L		992		520		10	1/2	0.00	1/4	1/4	20		NORTH LEG WYE
		3	KLSD	0.34	6:00	R	270	560	270	2347		10	1/2	0.00	1/4	1/4	29		EXIST. SUPER-ELEV. SAME AS HWY. XING
			KLSD	0.81														Shaniko	
		1	KLSD	0.96	3:00	L	135	564	135	2094		30	7/8	0.89	1 1/4	- 3/8	43		
		1	KLSD	1.44	4:48	R	210	86	210	208		30	2	2.02	3	-1	39		
		1	KLSD	1.63	6:24	L	270	54	270	348		30	3	3.03	4	-1	37		
		1	KLSD	1.79	5:36	L	170	77	170	588		30	2 1/2	2.53	3 1/4	- 3/4	37		
		3	KLSD	2.00	1:11	R	60	502	60	285		30	1/2	0.00	1/8	3/8	65		
		1	KLSD	2.16	10:12	R	170	168				25	3 1/2	3.46	2 7/8	5/8	30		
		1	KLSD	2.20	8:48	R		160				25	2 7/8	2.85	2 7/8	0	31		
		1	KLSD	2.27	9:41	R		167	190	805		25	3 1/4	3.24	2 3/4	1/2	30		
		2	KLSD	2.49	5:05	L	225	220	225	59		30	2 1/4	2.20	2 5/8	- 3/8	38		
		2	KLSD	2.63	3:51	R	180	492	180	603		30	1 1/2	1.43	2	- 1/2	41		
		3	KLSD	2.94	1:03	L	60	954	60	2250		30	1/2	0.00	1/4	1/4	69		
		2	KLSD	3.53	4:45	R	250	150				30	2	1.99	2 3/4	- 3/4	39		
		2	KLSD	3.57	4:00	R		150				30	1 1/2	1.52	2 3/4	-1 1/4	40		
		2	KLSD	3.65	3:00	R		250	200	3166		30	7/8	0.89	2 3/4	-1 7/8	43		
		3	KLSD	4.34	1:20	R		808		770		30	1/2	0.00	1/4	1/4	61		
		3	KLSD	4.66	1:30	L		942		989		30	1/2	0.00	1/8	3/8	58		
		2	KLSD	5.03	8:40	L	100	750	100	263		30	4 1/2	4.46	5/8	3 7/8	35		
		2	KLSD	5.24	6:40	R	270	160	270	3749		30	3 1/4	3.20	1 5/8	1 5/8	37		EXIST. SUPER-ELEV. SAME AS XING (5.19 - 15 MPH, 5.42 & 5.92 - 10 MPH)
			KLSD	5.65														Kirkland Lake	
		3	KLSD	6.37	2:02	L	90	505	90	1378		30	1/2	0.28	1/8	3/8	50		
		3	KLSD	6.77	0:59	R	60	622	60	77		30	1/2	0.00	1/2	0	71		
		1	KLSD	7.00	2:28	L	120	1315	120	687		30	5/8	0.55	1 1/8	- 1/2	46		
		1	KLSD	7.42	6:00	R	270	1025	270	1065		30	2 3/4	2.78	2 1/2	1/4	37		
		1	KLSD	7.88	8:22	L	270	632	270	3387		30	4 1/4	4.27	3 1/8	1 1/8	35		
		1	KLSD	8.79	6:11	R	270	218	270	243		30	2 7/8	2.90	4 3/8	-1 1/2	37		
		1	KLSD	8.99	4:03	L	100	819	100	25		30	1 1/2	1.55	2 1/4	- 3/4	40		
		1	KLSD	9.18	4:01	R	180	449	180	1291		30	1 1/2	1.53	2 7/8	-1 3/8	40		
			KLSD	9.55														King Kirkland	
		3	KLSD	9.59	2:00	R	90	735	90	3715		30	1/2	0.26	1 1/4	- 3/4	50		
		1	KLSD	10.46	10:00	L	270	327	270	160		25	3 3/8	3.38	2 1/8	1 1/4	30		
		1	KLSD	10.68	6:05	R	200	715	200	859		25	1 5/8	1.66	2 3/4	-1 1/8	33		
		1	KLSD	11.02	2:58	L	135	503	135	302		30	7/8	0.87	1 3/8	- 1/2	43		
		1	KLSD	11.24	5:56	R	270	410	270	560		30	2 3/4	2.74	4 3/4	-2	37		
		1	KLSD	11.60	4:00	L	180	1312	180	622		30	1 1/2	1.52	3	-1 1/2	40		
		1	KLSD	11.99	3:01	R	135	982	135	898		30	7/8	0.90	1 5/8	- 3/4	43		
		1	KLSD	12.34	4:00	R	180	288	180	561		30	1 1/2	1.52	1 3/4	- 1/4	40		
		1	KLSD	12.61	5:58	L	270	520	270	1643		30	2 3/4	2.76	3 5/8	- 7/8	37		

Curve List

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		1	KLSD	12.80														McNamara	
		1	KLSD	13.18	4:00	R	180	1343	180	8406		30	1 1/2	1.52	2 5/8	-1 1/8	40		
			KLSD	14.00														Northlands Park	
		1	KLSD	15.04	3:00	L	135	882	135	2977		30	7/8	0.89	2 1/4	-1 3/8	43		
		1	KLSD	15.78	3:41	L	165	359	165	485		30	1 3/8	1.32	2 1/8	- 3/4	41		
		1	KLSD	16.05	5:57	R	270	592	270	1342		30	2 3/4	2.75	4 1/8	-1 3/8	37		
			KLSD	16.41														Dobie	
		1	KLSD	16.50	6:00	L	270	399	270	1885		30	2 3/4	2.78	4	-1 1/4	37		
		3	KLSD	17.07	2:00	R	90	1200	90	1190		30	1/2	0.26	1 1/4	- 3/4	50		
		1	KLSD	17.49	3:03	L	135	364	135	457		30	7/8	0.92	2 1/4	-1 3/8	43		
		1	KLSD	17.72	2:53	R	135	673	135	4261		30	7/8	0.82	3 1/2	-2 5/8	44		
		3	KLSD	18.67	1:53	L	90	321	90	825		30	1/2	0.19	1 1/2	-1	52		
		3	KLSD	18.92	2:00	R	90	306	90	1163		30	1/2	0.26	1	- 1/2	50		
		1	KLSD	19.25	8:32	R	270	128	270	130		25	2 3/4	2.73	1 3/4	1	31		
		1	KLSD	19.44	8:02	L		1079				25	2 1/2	2.51	2 7/8	- 3/8	31		
		1	KLSD	19.78	8:00	R	210	83	210	97		25	2 1/2	2.50	2 3/8	1/8	31		
		1	KLSD	19.93	10:02	L	270	398	270	324		25	3 3/8	3.39	3	3/8	30		
			KLSD	20.10														Diamond Lake	
		1	KLSD	20.20	6:00	R	270	623	270	1784		30	2 3/4	2.78	3 5/8	- 7/8	37		
		1	KLSD	20.77	5:05	R	225	828	225	166		30	2 1/4	2.20	3 7/8	-1 5/8	38		
		1	KLSD	21.03	6:57	L	270	696	270	1622		30	3 3/8	3.38	4 3/8	-1	36		
		3	KLSD	21.57	1:59	R	90	962	90	1900		30	1/2	0.25	1 3/8	- 7/8	50		
		3	KLSD	22.10	1:59	L	90	532	90	1899		30	1/2	0.25	1 1/8	- 5/8	50		
		1	KLSD	22.57	6:00	L	230	43				30	3 7/8	2.78	4 3/8	- 1/2	40		
		1	KLSD	22.64	3:00	L		200				30	3 7/8	0.89	4 3/8	- 1/2	57		
		1	KLSD	22.67	6:08	L		150				30	3 7/8	2.86	4 3/8	- 1/2	40		
		1	KLSD	22.68	7:44	L		100	4.5			30	3 7/8	3.87	4 3/8	- 1/2	36		
		1	KLSD	22.73	6:08	L		400				30	3 7/8	2.86	4 3/8	- 1/2	40		
		1	KLSD	22.84	6:00	L		200	270	140		30	3 7/8	2.78	4 3/8	- 1/2	40		
		1	KLSD	23.12	4:00	R	180	2380	180	2248		30	1 1/2	1.52	2 3/4	-1 1/4	40		
		1	KLSD	23.86	3:52	L	180	231	180	219		30	1 3/8	1.44	3 3/8	-2	40		
		3	KLSD	24.06	1:02	R	60	1004	60	1573		30	1/2	0.00	1/8	3/8	70		
		3	KLSD	24.58	2:03	L	90	1037	90	1666		30	1/2	0.29	1	- 1/2	49		
		1	KLSD	25.12	6:00	L	270	653	270	227		30	2 3/4	2.78	4	-1 1/4	37		
		1	KLSD	25.36	3:55	R	180	429	180	804		30	1 1/2	1.47	3 5/8	-2 1/8	41		
		1	KLSD	25.65	6:00	L	270	231	270	355		30	2 3/4	2.78	3 3/4	-1	37		
			KLSD	25.87														Beaver Lake	
		1	KLSD	25.93	6:01	R	270	884	270	1703		30	2 3/4	2.79	4	-1 1/4	37		
		1	KLSD	26.50	6:04	L	270	645	270	775		30	2 7/8	2.82	3 1/8	- 1/4	37		
		1	KLSD	26.87	5:01	R	225	689	225	4091		30	2 1/8	2.16	3 7/8	-1 3/4	38		
		3	KLSD	27.84	1:00	R	60	825	60	6863		30	1/2	0.00	1/8	3/8	71		
		3	KLSD	29.33	2:01	R	90	896	90	519		30	1/2	0.27	1 3/8	- 7/8	50		
		3	KLSD	29.65	2:00	L	90	1070	90	370		30	1/2	0.26	1 1/8	- 5/8	50		
		1	KLSD	29.89	2:59	R	135	658	135	3451		30	7/8	0.88	2 3/8	-1 1/2	43		
		1	KLSD	30.73	4:00	L	180	348	180	2231		30	1 1/2	1.52	2 3/4	-1 1/4	40		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		3	KLSD	31.28	1:05	L	60	490	60	3095		30	1/2	0.00	5/8	- 1/8	68		
			KLSD	32.00														Cheminis	
		1	KLSD	32.05	6:00	R	270	812	270	1823		30	2 3/4	2.78	4 1/2	-1 3/4	37		
		1	KLSD	32.62	9:17	R	270	651	270	448		30	4 7/8	4.85	3 1/4	1 5/8	35		
		1	KLSD	32.88	6:03	L	270	192	270	499		30	2 3/4	2.81	3 3/8	- 5/8	37		
		1	KLSD	33.14	6:58	L	270	500				30	4 1/4	3.39	4 1/4	0	39		
		1	KLSD	33.22	7:16	L		300				30	4 1/4	3.58	4 1/4	0	38		
		1	KLSD	33.27	6:52	L		300				30	4 1/4	3.33	4 1/4	0	39		
		1	KLSD	33.31	6:22	L		144	270	2041		30	4 1/4	3.01	4 1/4	0	40		
		3	KLSD	33.83	2:04	R	90	440	90	151		30	1/2	0.30	1	- 1/2	49		
		1	KLSD	33.97	5:46	L	270	67	270	520		30	2 5/8	2.63	3 7/8	-1 1/4	37		
		1	KLSD	34.19	5:56	R	270	73	270	1244		30	2 3/4	2.74	3 7/8	-1 1/8	37		
		1	KLSD	34.49	8:15	R	120	110	120	44		25	2 5/8	2.61	3 1/8	- 1/2	31		
		1	KLSD	34.60	8:06	L	140	189	140	386		25	2 1/2	2.54	2 7/8	- 3/8	31		
		1	KLSD	34.77	4:00	R	180	153	180	540		30	1 1/2	1.52	3	-1 1/2	40		
		3	KLSD	34.96	2:03	L	90	248	90	273		30	1/2	0.29	1 1/2	-1	49		
		1	KLSD	35.12	5:00	L	225	235	225	188		30	2 1/8	2.15	3 1/2	-1 3/8	38		
		1	KLSD	35.29	6:02	R	270	194	270	2033		30	2 7/8	2.80	4 7/8	-2	37		
		1	KLSD	35.98	2:46	L	135	2298	135	609		30	3/4	0.74	1 1/4	- 1/2	44		
		1	KLSD	36.42	4:02	R	180	494	180	451		30	1 1/2	1.54	2 1/8	- 5/8	40		
		1	KLSD	36.64	5:16	L	225	100	225	115		30	2 3/8	2.32	2 5/8	- 1/4	38		
		1	KLSD	36.77	3:30	R	165	134	165	1611		30	1 1/4	1.21	1 1/4	0	42		
		1	KLSD	37.30	3:01	R	135	1804	135	794		30	7/8	0.90	1 1/4	- 3/8	43		
		1	KLSD	37.76	2:59	L	135	847	135	1489		30	7/8	0.88	7/8	0	43		
		1	KLSD	38.22	5:06	R	225	318	225	534		30	2 1/4	2.21	3 5/8	-1 3/8	38		
		1	KLSD	38.47	6:03	L	270	276	270	1366		30	2 7/8	2.81	4	-1 1/8	37		
		1	KLSD	38.87	3:57	L	180	345	180	2025		30	1 1/2	1.49	3	-1 1/2	40		
		3	KLSD	39.40	2:04	R	90	647	90	528		30	1/2	0.30	1 1/4	- 3/4	49		
		3	KLSD	39.67	2:01	R	90	791	90	1469		30	1/2	0.27	3	-2 1/2	50		
		3	KLSD	40.10	2:00	L	90	484	90	854		30	1/2	0.26	1 1/8	- 5/8	50		
		1	KLSD	40.47	6:00	L	270	929	270	200		30	2 3/4	2.78	4 5/8	-1 7/8	37		
		1	KLSD	40.83	4:32	R	210	1560	210	177		30	1 7/8	1.86	3 1/4	-1 3/8	39		
		3	KLSD	41.20	0:40	L		1542		1393		30	1/2	0.00	3/8	1/8	87		
		1	KLSD	41.71	4:54	L	235	581	235	1623		30	2 1/8	2.09	3 3/4	-1 5/8	39		
			KLSD	41.85														Kanasuta	
		1	KLSD	42.24	4:01	R	180	918	180	2942		30	1 1/2	1.53	2 7/8	-1 3/8	40		
		1	KLSD	42.97	5:00	R	225	176	225	444		30	2 1/8	2.15	4	-1 7/8	38		
		3	KLSD	43.28	2:00	L	90	1523	90	4329		30	1/2	0.26	1	- 1/2	50		
			KLSD	44.29														Lake Fortune	
		1	KLSD	44.33	4:06	R	180	361	180	296		30	1 1/2	1.58	2 3/8	- 7/8	40		
		1	KLSD	44.51	8:24	L	270	33	270	828		30	4 1/4	4.29	3 1/4	1	35		
		1	KLSD	44.76	3:38	R	165	222	165	246		30	1 1/4	1.29	1 3/8	- 1/8	41		
		1	KLSD	44.92	4:54	L	225	133	225	74		30	2 1/8	2.09	1 7/8	1/4	39		
		3	KLSD	45.06	5:58	R	270	148	270	504		10	1/2	0.00	1 1/2	-1	29		
		3	KLSD	45.31	10:34	L		382		48		10	1/2	0.00	1 5/8	-1 1/8	22		
		3	KLSD	45.47	10:20	R		531		14		10	1/2	0.00	3/4	- 1/4	22		

Curve List

Zero Point Latitude	Zero Point Longitude	Rev	Subdiv	Mileage	Degree of Curve (deg:min)	Curve Dir	South Spiral (ft)	Length of Simple Curve (ft)	North Spiral (ft)	Length of Following Tangent (ft)	Dir (N/S)	Posted Speed (Freight)	Required Super-elevation	Calculated Elevation	Exist. Ave. Superelev. (As-built and TEC Car)	Approx. Elevation Change	Max Speed	Location	Remarks
		3	KLSD	45.58	8:33	L		289		120		10	1/2	0.00	1 3/4	-1 1/4	24		
		3	KLSD	45.79	3:31	R	165	953	165	348		10	1/2	0.00	1	- 1/2	38		
		1	KLSD	46.08	3:01	L	135	885	135	4298		30	7/8	0.90	1 1/2	- 5/8	43		
			KLSD	46.58														Arntfield	
		1	KLSD	47.07	3:00	R	135	429	135	4415		30	7/8	0.89	1 3/8	- 1/2	43		
		3	KLSD	48.21	1:31	L	75	2358	75	813		30	1/2	0.00	3/8	1/8	57		
		3	KLSD	48.68	0:36	R		762		4458		30	1/2	0.00	1/4	1/4	91		
			KLSD	49.27														Aldermac	
		3	KLSD	49.64	1:35	R	75	383	75	5796		30	1/2	0.00	1/4	1/4	56		
		3	KLSD	50.85	2:00	L	90	372	90	3408		30	1/2	0.26	5/8	- 1/8	50		
		1	KLSD	51.67	6:02	R	270	823	270	2582		30	2 3/4	2.80	3 1/4	- 1/2	37		
		1	KLSD	52.40	6:02	L	270	573	270	785		30	2 3/4	2.80	4 1/4	-1 1/2	37		
		1	KLSD	52.72	2:57	R	135	441	135	1215		30	7/8	0.86	2	-1 1/8	43		
		3	KLSD	53.06	1:00	R	60	313	60	586		30	1/2	0.00	3/8	1/8	71		
		1	KLSD	53.29	3:00	L	135	612	135	1141		30	7/8	0.89	1 1/2	- 5/8	43		
		1	KLSD	53.66	4:03	R	180	336	180	2308		30	1 1/2	1.55	1/4	1 1/4	40		
		3	KLSD	54.21	0:30	L		573		5341		30	1/2	0.00	7/8	- 3/8	100		
			KLSD	55.26														Boischatel	
		1	KLSD	55.34	4:00	R	180	250	180	65		30	1 1/2	1.52	7/8	5/8	40		
		1	KLSD	55.52	5:02	L	225	696	225	36		30	2 1/8	2.17	3/4	1 3/8	38		
		3	KLSD	55.72	6:03	R	270	376	270	2272		10	1/2	0.00	3	-2 1/2	29		
		3	KLSD	56.34	6:00	R	90	946	90	1306		10	1/2	0.00	5/8	- 1/8	29		
		3	KLSD	56.80	10:04	L	250	567	250	194		10	1/2	0.00	1/4	1/4	22		
		3	KLSD	57.03	8:05	R	200	626	200	792		10	1/2	0.00	1 5/8	-1 1/8	25		
		3	KLSD	57.38	4:00	R	180	518	180	2050		10	1/2	0.00	1/8	3/8	35		
		3	KLSD	57.95	4:00	L	180	863	180	561		10	1/2	0.00	1/4	1/4	35		
		3	KLSD	58.25	4:34	L	210	388	210			10	1/2	0.00	1/8	3/8	33		
		3	KLSD	58.39	4:30	L		620		238		10	1/2	0.00	1/4	1/4	33		
			KLSD	58.43														C/L Diamond	
		3	KLSD	58.50	7:00	L		605		1371		10	1/2	0.00	1/2	0	27		
		3	KLSD	58.83	6:00	L		168		279		10	1/2	0.00	1/8	3/8	29		
		3	KLSD	58.90	6:00	R		167		173		10	1/2	0.00	1/2	0	29		
		3	KLSD	58.97	6:00	R		250		325		10	1/2	0.00	1/4	1/4	29		
		3	KLSD	59.08	6:00	L		250		2583		10	1/2	0.00	1/4	1/4	29		
		3	KLSD	59.66	8:00	R	270	480	270	1100		10	1/2	0.00	3/8	1/8	25		
		3	KLSD	59.94	3:00	L		244		46		10	1/2	0.00			41		
		3	KLSD	59.98	8:00	L		96		52		10	1/2	0.00			25		
			KLSD	60.00														Noranda	
		3	KLSD	60.01	11:00	R		75				10	1/2	0.00			21		