

NORTHBOUND HORIZONTAL ALIGNMENT											
Element	Point Type	Mile Mark	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	AASHTO Banking	Design Speed
Tangent	PT	133.981	7074+18.43	719821.513	1764530.686						
	PC	134.236	7087+67.74	721133.918	1764844.120						
Arc	PC	134.236	7087+67.74	721133.918	1764844.120	22920	2358.03	5°53'40.70"	Left	RC	70
	PI	134.460	7099+47.80	722281.694	1765118.237						
	CC			726458.034	1742551.068						
	PCC	134.683	7111+25.77	723451.553	1765273.028						
Arc	PCC	134.683	7111+25.77	723451.553	1765273.028	11500	1991.25	9°55'15.17"	Left	RC	70
	PI	134.872	7121+23.89	724441.048	1765403.954						
	CC			724960.041	1753872.394						
	PT	135.060	7131+17.02	725438.304	1765362.444						
Tangent	PT	135.060	7131+17.02	725438.304	1765362.444						
	PC	135.255	7141+43.94	726464.330	1765319.737						
Arc	PC	135.255	7141+43.94	726464.330	1765319.737	7625	5247.38	39°25'47.43"	Right	0.028	70
	PI	135.772	7168+76.32	729194.351	1765206.102						
	CC			726781.439	1772938.140						
	PT	136.248	7193+91.31	731375.201	1766852.257						
Tangent	PT	136.248	7193+91.31	731375.201	1766852.257						
	PC	136.400	7201+91.72	732014.048	1767334.472						

NORTHBOUND VERTICAL ALIGNMENT									
Element	Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	POB	7130+25.00	828.30	5	2.36%				
	PVC	7130+30.00	828.41						
Symmetrical Parabola	PVC	7130+30.00	828.41	770	2.36%	-0.41%	278	-2.67	774.57
	POVC	7130+50.00	828.88						
	POVC	7131+00.00	829.98						
	POVC	7131+50.00	830.99						
	POVC	7132+00.00	831.91						
	POVC	7132+50.00	832.74						
	POVC	7133+00.00	833.47						
	POVC	7133+50.00	834.12						
	POVC	7134+00.00	834.68						
	PVI	7134+15.00	837.50						
	POVC	7134+50.00	835.15						
	POVC	7135+00.00	835.53						
	POVC	7135+50.00	835.82						
	POVC	7136+00.00	836.02						
	POVC	7136+50.00	836.13						
	Linear	VHIGH	7136+85.99						
POVC		7136+85.99	836.15						
POVC		7137+00.00	836.15						
POVC		7137+50.00	836.08						
PVT		7138+00.00	835.92						
Symmetrical Parabola	PVT	7138+00.00	835.92	290	-0.41%	0.88%	225	0.47	
	POVT	7138+50.00	835.72						
	POVT	7139+00.00	835.51						
	POVT	7139+50.00	835.31						
	PVC	7139+80.00	835.18						
	PVC	7139+80.00	835.18						
	POVC	7140+00.00	835.11						
	POVC	7140+50.00	835.00						
	VLOW	7140+72.32	834.99						
Linear	POVC	7141+00.00	835.01	5	0.88%				
	PVI	7141+25.00	834.59						
	POVC	7141+50.00	835.13						
	POVC	7142+00.00	835.36						
	POVC	7142+50.00	835.69						
Linear	PVT	7142+70.00	835.86	5	0.88%				
	POE	7142+75.00	835.91						

NORTHBOUND ALIGNMENT SHEET

PROJECT NAME:	ST. JOHNSBURY-LYNDON
PROJECT NUMBER:	IM 091-3(50)
FILE NAME:	\\a346\cos\zila346\lhornb.dgn
PROJECT LEADER:	PTS
DESIGNED BY:	NLL
IPARM FILE NAME:	plla346_60
PLOT DATE:	10/17/2013
DRAWN BY:	WWG
CHECKED BY:	PTS
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