# VHB Scope of Work

#### 9 Month Schedule

- Task 1: Project Management & Coordination
  - Kick-off meeting
  - 8 monthly progress meetings w/ DOT staff
- Task 2: Existing Conditions Inventory & Analysis
  - Summary of past planning efforts
    - St. Lawrence & Atlantic passenger rail service study
    - High level feasibility study (PACTS)
  - Assessment of 3 options:
    - 1. Restoration of rail service
    - 2. Rail with Trail (RWT) configuration
    - 3. Interim Trail after removal of rail infrastructure
  - Environmental due diligence



Berlin Sub-Division Corridor in Yarmouth

# VHB Scope of Work

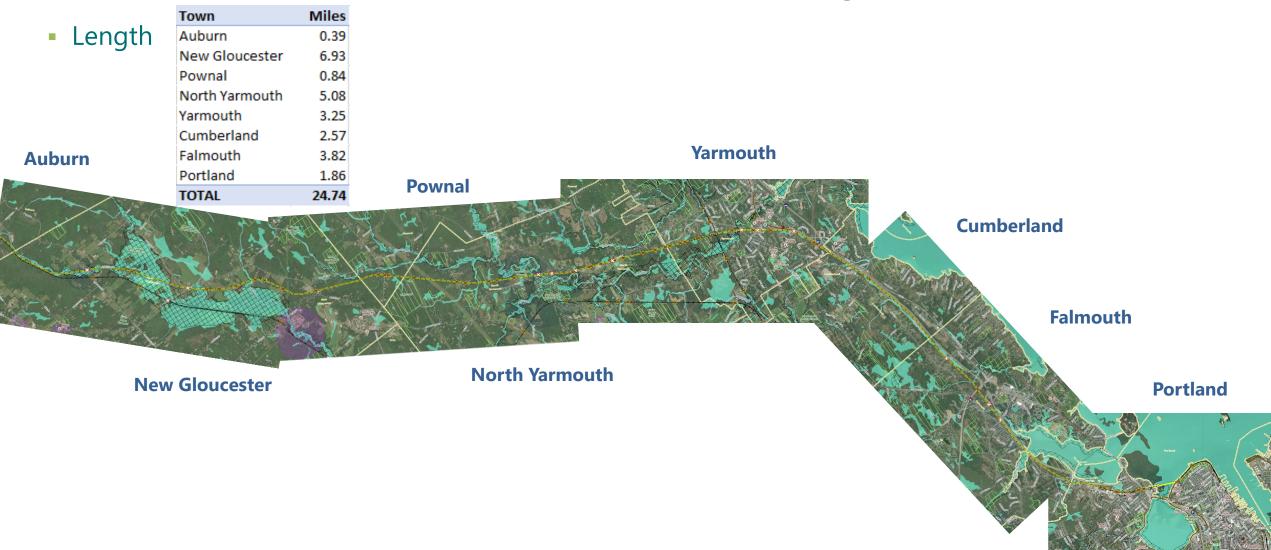
- Task 3: Conceptual Cost Estimates
  - Construction <u>and</u> maintenance costs for:
    - 1. Restoration of rail service
    - 2. Rail with Trail (RWT) configuration (gravel & paved)
    - 3. Interim Trail after removal of rail infrastructure (g & p)
- Task 4: Analysis of Economic Benefits (RKG)
  - 4A: Trail user demographics & land use character
  - 4B: Describe/analyze economic benefits (real estate, tourism, and jobs created)
  - 4C: Economic impact of rail option and trail option(s)
- Task 5: Project Stakeholder Meetings
  - Monthly mtgs w/ Rail Corridor Use Advisory Council
  - One public meeting (virtual)
- Task 6: Summary Report (PDF only)



Berlin Sub-Division Bridge in Pownal

### Rail Corridor Context

### **Berlin Subdivision Corridor Characteristics (for Cost Estimating)**



## Rail Corridor Context

#### **Berlin Subdivision Corridor Characteristics (for Cost Estimating)**

- Roadway types

Road Type 🕝	Number of Roads
Local Road	22
Private	23
State Road	3
Grand Total	48

Signalized Crossing	<b>▼ Total</b>
No	37
Yes	11
Grand Total	48

ad crossings (4	,	objectid - federal_cr	asset_sys_ display_co state_owne	- crossing_t	position_o	- timetable_	- intersecti -	Road type	~ crossing_s	- rail_seal	- signalized	- crossing_l	- crossing_1	- pvmnt_m
		1318 170831C	987809 RRXING-987809 Yes	Public	RR Under	2	1-295		None	None	No	None		
		223 170855R	897433 RRXING-897433 Yes	Private	At Grade	14.41	Local Road	Local Road	Plank	None	No	16		
adway types		73 170849M	897427 RRXING-897427 Yes	By Agreement	At Grade	13.13	Local Road	Local Road	None	None	No	None		
auway types		74 170850G	897428 RRXING-897428 Yes	Deeded	At Grade	13.33	Local Road	Local Road	None	None	No	None		
<i>y y</i> 1		220 170852V	897430 RRXING-897430 Yes	Private	At Grade	None	Local Road	Local Road	None	None	No	None		
		228 170859T	897443 RRXING-897443 Yes	Public	At Grade	15.6	Bridge / North /		Asphalt	Rubber	Yes	117'	Fair	Yes
Road Type 🔻 Number o	f Roads	37 170836L	896073 RRXING-896073 Yes	Public	At Grade	5.55	Bucknam Road		Asphalt	Rubber	Yes	54'	Good	Yes
Road Type Trumber o	Noaus	229 943047A	897444 RRXING-897444 Yes	By Agreement	At Grade	16.06	Chandler Brook		Plank	None	No	20'	Fair	None
Local Road	22	65 170842P	897418 RRXING-897418 Yes	Public	At Grade	11.1		Local Road	Plank	None	No	20'	CRITICAL	Yes
Local Road	22	232 170861U	897735 RRXING-897735 Yes	Public	At Grade	17.02	Cluff Road	Local Road	Plank	None	No	36'	CRITICAL	No
B	22	243 170873N	898029 RRXING-898029 Yes	Public	At Grade	24.43	Cobbs Road	Local Road	Plank	None	Yes	36'	CRITICAL	No
Private	23	67 170845K	897421 RRXING-897421 Yes	Public	At Grade	11.65	Elm Street	Local Road	Asphalt	None	Yes	49'	Fair	Yes
1	_	62 170838A	896075 RRXING-896075 Yes	Public	At Grade	6.79	Johnson Road	Local Road	Asphalt	Rubber	No	33'	Good	Yes
State Road	3	36 170835E	896071 RRXING-896071 Yes	Public	At Grade	5.21 17.18	Lunt Road	Local Road	Asphalt	Chair Rails	Yes	55'	Poor	Yes
		233 170862B	898015 RRXING-898015 Yes	Public	At Grade	11.43	Miliken Road	Local Road	Asphalt	None	No	28'	Fair	Yes
Grand Total	48	1081 170844D 1048 170854J	923522 RRXING-923522 Yes 923803 RRXING-923803 Yes	Public Public	At Grade At Grade	14.17	Mill St. North Rd. / Skillin	Local Road	Gravel	None	No Yes	36' 110'	Fair Fair	No Yes
Grana rotar	40			Public		13.06			Asphalt Asphalt	None Rubber	No	26'	Fair	
		222 943042R 64 170841H	897432 RRXING-897432 Yes 896079 RRXING-896079 Yes	Public	At Grade At Grade	10.66	Old Field Road Portland Street		Asphalt	None	Yes	44'	Fair	Yes
		68 839759T	897422 RRXING-897422 Yes	Deeded	At Grade	11.84	Riverbend Drive		Asphalt	Rubber	No	32'	Good	Yes
		224 170856X	897434 RRXING-897434 Yes	Public	At Grade	14.89	Sawyers/North F		Asphalt	None	Yes	86'	Fair	No
					At Grade	10.14	State Garage	Local Road	Asphalt	None	No	24'	Good	No
		E2 170940B												
		63 170840B	896077 RRXING-896077 Yes	Private									0000	NO
		1317 170832J	987806 RRXING-987806 Yes	Public	RR Under	2.1	VERANDA ST	Local Road	None	None	No	None	0000	NO
analized or not		1317 170832J 225 NONE	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes	Public Private	RR Under At Grade	2.1 14.93	VERANDA ST None	Local Road Private	None Plank	None None	No No	None 16		
analized or not		1317 170832J 225 NONE 1184 None	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes	Public Private Private	RR Under At Grade At Grade	2.1 14.93 20.96	VERANDA ST None None	Local Road Private Private	None Plank Plank	None None None	No No No	None 16 16	Excellent	None
gnalized or not		1317 170832J 225 NONE 1184 None 1451 None	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes	Public Private Private By Agreement	RR Under At Grade At Grade At Grade	2.1 14.93 20.96 10.19	VERANDA ST None None None	Local Road Private Private Private	None Plank Plank Plank	None None None None	No No No	None 16 16 None		
		1317 170832J 225 NONE 1184 None 1451 None 69 NONE	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897423 RRXING-897423 Yes	Public Private Private By Agreement None	RR Under At Grade At Grade At Grade At Grade	2.1 14.93 20.96 10.19 None	VERANDA ST None None None None	Local Road Private Private Private Private	None Plank Plank Plank None	None None None None	No No No No	None 16 16 None None	Excellent	None
		1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897423 RRXING-897423 Yes 897425 RRXING-897425 Yes	Public Private Private By Agreement None Deeded	RR Under At Grade At Grade At Grade At Grade At Grade At Grade	2.1 14.93 20.96 10.19 None None	VERANDA ST None None None None None	Local Road Private Private Private Private Private Private	None Plank Plank Plank None None	None None None None None	No No No No No	None 16 16 None None None	Excellent	None
gnalized or not Signalized Crossing		1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170851N	987806 RRXING-987806 Ves 897435 RRXING-897435 Ves 949614 RRXING-949614 Ves 1001538 RRXING-1001538 Ves 897423 RRXING-897423 Ves 897425 RRXING-897425 Ves 897429 RRXING-897429 Ves	Public Private Private By Agreement None Deeded None	RR Under At Grade	2.1 14.93 20.96 10.19 None None	VERANDAST None None None None None None None	Local Road Private Private Private Private Private Private Private Private	None Plank Plank Plank None None None	None None None None None None None None	No No No No No No	None 16 16 None None None None	Excellent	None
Signalized Crossing	Total	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170853C	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897423 RRXING-897423 Yes 897428 RRXING-897425 Yes 897429 RRXING-897429 Yes 897431 RRXING-897431 Yes	Public Private Private By Agreement None Deeded None Deeded	RR Under At Grade	2.1 14.93 20.96 10.19 None None None 14.14	VERANDA ST None None None None None None None None	Local Road Private Private Private Private Private Private Private Private Private	None Plank Plank Plank None None	None None None None None None None None	No No No No No No No	None 16 16 None None None None None	Excellent	None
Signalized Crossing	Total	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170851N 221 170853C 230 943048G	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897423 RRXING-897423 Yes 897429 RRXING-897425 Yes 897429 RRXING-897429 Yes 897431 RRXING-897431 Yes 897733 RRXING-897733 Yes	Public Private Private By Agreement None Deeded None Deeded None	RR Under At Grade	2.1 14.93 20.96 10.19 None None 14.14 16.4	VERANDA ST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None None	None None None None None None None None	No No No No No No No No	None 16 16 None None None None None	Excellent Excellent CRITICAL	None None
		1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 943048G 231 943048G	987806 RRXING-987806 Ves 897435 RRXING-897435 Ves 949614 RRXING-996141 Ves 1001538 RRXING-1001538 Ves 897423 RRXING-897423 Ves 897425 RRXING-897425 Ves 897429 RRXING-897429 Ves 897431 RRXING-897431 Ves 897733 RRXING-897733 Ves 897734 RRXING-897734 Ves	Public Private Private By Agreement None Deeded None Deeded None Deeded	RR Under At Grade	2.1 14.93 20.96 10.19 None None 14.14 16.4	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank Plank Plank	None None None None None None None None	No N	None 16 None None None None None 16	Excellent Excellent CRITICAL Good	None None None
Signalized Crossing No	Total 37	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170851N 221 170853C 230 943048G	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897423 RRXING-897423 Yes 897429 RRXING-897425 Yes 897429 RRXING-897429 Yes 897431 RRXING-897431 Yes 897733 RRXING-897733 Yes	Public Private Private By Agreement None Deeded None Deeded None	RR Under At Grade	2.1 14.93 20.96 10.19 None None 14.14 16.4	VERANDA ST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None None	None None None None None None None None	No No No No No No No No	None 16 16 None None None None None	Excellent Excellent CRITICAL	None None
Signalized Crossing	Total 37	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 9430486 221 943049N 234 170863H	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897425 RRXING-897423 Yes 897425 RRXING-897425 Yes 897426 RRXING-897425 Yes 897431 RRXING-897431 Yes 897733 RRXING-897733 Yes 897734 RRXING-897734 Yes 898018 RRXING-898018 Yes	Public Private Private By Agreement None Deeded None Deeded None Deeded None Deeded None	RR Under At Grade	2.1 14.93 20.96 10.19 None None None 14.14 16.4 16.55 None	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank None None None Plank Plank Plank Plank Plank Plank	None None None None None None None None	No N	None 16 16 None None None None 16 16 None None None	Excellent Excellent CRITICAL Good	None None None
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Signalized Crossing No	Total 37	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 943048G 231 943049N 234 170863H 242 943053D 1185 None NONE	987806 RRXING-987806 Ves 897458 RRXING-897435 Ves 949614 RRXING-949614 Ves 1001538 RRXING-1001538 Ves 897423 RRXING-897425 Ves 897425 RRXING-897425 Ves 897428 RRXING-897431 Ves 897733 RRXING-897431 Ves 897734 RRXING-897733 Ves 897534 RRXING-897634 Ves 898018 RRXING-898018 Ves 971653 RRXING-9898018 Nes 898028 RRXING-971653 RXING-971653 No 897439 RRXING-974339 Ves	Public Private Private By Agreement None Deeded None Deeded None Deeded None Private By Agreement	RR Under At Grade	2.1 74.93 720.96 710.19 None None 14.14 716.4 716.55 None None 14.61 714.55	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank Plank Plank Plank Plank Plank Plank Plank Plank	None None None None None None None None	No N	None 716 None None None None None None None 16 716 None None 1716 None None None None None None None	Excellent Excellent  CRITICAL Good Poor  Excellent	None None None None None
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Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 1194 None 1451 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 9430486 231 943049N 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T	987806 RRXING-987806 Ves 897435 RRXING-897435 Ves 949614 RRXING-99614 Ves 1001538 RRXING-1001538 Ves 897423 RRXING-897423 Ves 897425 RRXING-897425 Ves 897426 RRXING-897425 Ves 897431 RRXING-897431 Ves 897431 RRXING-89733 Ves 897431 RRXING-89733 Ves 897431 RRXING-897032 Ves 898018 RRXING-897032 Ves 971653 RRXING-897035 Ves 971653 RRXING-8971653 No 897439 RRXING-8971653 No 897439 RRXING-898025 Ves 898026 RRXING-898025 Ves	Public Private Private By Agreement None Deeded None Deeded None Deeded Private Private By Agreement Deeded Private Private Private Private Private Private	RR Under At Grade	2.1 74.93 720.96 70.19 None None None 74.14 76.55 None 74.61 74.55 72.1	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank	None None None None None None None None	No N	None 716 716 None None None None None None None 16 716 716 None None None None None None None None	Excellent Excellent CRITICAL Good Poor Excellent Excellent	None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 11951 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 943048G 231 943049N 234 170863H 242 943052D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S	987806 RRXING-987806 Ves 897435 RRXING-897435 Ves 949614 RRXING-996141 Ves 1001538 RRXING-1001538 Ves 897423 RRXING-897425 Ves 897425 RRXING-897425 Ves 897426 RRXING-897425 Ves 897427 RRXING-897431 Ves 897733 RRXING-897431 Ves 897734 RRXING-89734 Ves 898018 RRXING-898018 Ves 898028 RRXING-9898018 Ves 971653 RXING-9898018 Ves 898024 RXING-898024 Ves 898024 RRXING-898024 Ves 898026 RXING-898024 Ves 897424 RXING-897424 Ves	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement Sone Private By Agreement Deeded Deeded Deeded Deeded Deeded Deeded Deeded Deeded	RR Under At Grade	2.1 74.93 70.96 70.19 None None 14.14 76.55 None None 14.61 74.55 71.85 71.85 71.87	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank	None None None None None None None None	No N	None 716 716 None None None None None None 16 716 None None None None None None None None	Excellent Excellent  CRITICAL Good Poor  Excellent Excellent CRITICAL	None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170853C 230 943048G 231 943049N 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S 235 943051P	987806 RRXING-987806 Yes 987435 RRXING-897435 Yes 949614 RRXING-999614 Yes 1001538 RRXING-1001538 Yes 897425 RRXING-897423 Yes 897425 RRXING-897425 Yes 897426 RRXING-897427 Yes 897431 RRXING-89733 Yes 897733 RRXING-897341 Yes 897733 RRXING-89734 Yes 897736 RRXING-89738 Yes 897808 RRXING-898018 Yes 898028 RRXING-898028 Yes 971653 RRXING-897653 No 897439 RRXING-897653 No 897439 RRXING-897499 Yes 898025 RRXING-898025 Yes 898026 RRXING-898025 Yes 898026 RRXING-898025 Yes 897424 RRXING-898025 Yes 898025 RRXING-898025 Yes 897424 RRXING-898025 Yes 897424 RRXING-898025 Yes 897424 RRXING-898025 Yes	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement Deeded None Private By Agreement Deeded Private None Deeded None Private None None None Private None None None None None None None Non	RR Under At Grade	2.1 714.93 20.96 710.19 None None 14.14 716.4 16.55 None None 14.61 714.55 21.85 72.1 12.74 718.73	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank Plank None None None Plank	None None None None None None None None	No N	None 716 716 None None None None None None None 116 None None 16 None None 176 None None 176 None None None None None None None	Excellent Excellent  CRITICAL Good Poor Excellent  Excellent CRITICAL Good	None None None None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 11981 None 1451 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 9430486 231 943049N 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 1708465 235 943051P 236 170866D	987806 RRXING-987806 Ves 897435 RRXING-897435 Ves 949614 RRXING-996144 Ves 1001538 RRXING-996144 Ves 897423 RRXING-897423 Ves 897423 RRXING-897425 Ves 897429 RRXING-897429 Ves 897431 RRXING-897431 Ves 897733 RRXING-897334 Ves 897734 RRXING-897340 Ves 898018 RRXING-898018 Ves 971653 RRXING-897653 No 897439 RRXING-897653 No 897439 RRXING-898025 Ves 898026 RRXING-898025 Ves 898026 RRXING-898025 Ves 897424 RRXING-898025 Ves 898026 RRXING-898025 Ves 898026 RRXING-898025 Ves 898026 RRXING-898020 Ves 898020 RRXING-898020 Ves	Public Private Private By Agreement None Deeded None Deeded None Private Private By Agreement Deeded None Private Private Deeded Private Deeded Private Deeded Private Deeded	RR Under At Grade	2.1 74.93 720.96 70.19 None None None 14.14 76.55 None None 14.61 74.55 22.1 72.74 78.73 70.57	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank	None None None None None None None None	No N	None 716 716 None None None None None 116 716 716 None None None None 716 None None 720 None None	Excellent Excellent  CRITICAL Good Poor Excellent Excellent CRITICAL Good CRITICAL	None None None None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 11981 None 69 NONE 71 170847Y 219 170851N 221 170852C 230 943048G 231 943049N 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S 235 943051P 236 1708667K	987806 RRXING-987806 Ves 897435 RRXING-897435 Ves 949614 RRXING-996141 Ves 1001538 RRXING-1001538 Ves 897423 RRXING-897425 Ves 897425 RRXING-897425 Ves 897426 RRXING-897425 Ves 897427 RRXING-897431 Ves 897733 RRXING-897431 Ves 897734 RRXING-897431 Ves 897734 RRXING-89733 Ves 897636 RRXING-898018 Ves 971653 RRXING-898028 Ves 971653 RRXING-898028 Ves 971653 RRXING-898020 Ves 898024 RRXING-897439 Ves 898024 RRXING-897424 Ves 898026 RRXING-897424 Ves 898026 RRXING-897424 Ves 898029 RRXING-897424 Ves 898029 RRXING-897424 Ves 898029 RRXING-8980219 Ves 898020 RRXING-898020 Ves	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement Sone Private By Agreement Deeded None Private Deeded Deeded Deeded Deeded Deeded	RR Under At Grade	2.1 74.93 70.96 70.19 None None None 14.14 16.4 76.55 None None 14.61 14.55 21.85 22.1 12.74 78.73 20.57 721.13	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank	None None None None None None None None	No	None 716 716 None None None None None 16 16 None None 16 None None None None None None None None	Excellent Excellent  CRITICAL Good Poor  Excellent Excellent CRITICAL Good Excellent Excellent Excellent	None None None None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170853N 221 170853C 230 943048G 231 943049N 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S 235 943051P 236 170866D 237 1708678	987806 RRXING-987806 Yes 997458 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897425 RRXING-897423 Yes 897425 RRXING-897425 Yes 897426 RRXING-897425 Yes 897427 RRXING-897431 Yes 897431 RRXING-897431 Yes 897733 RRXING-89733 Yes 897734 RRXING-89733 Yes 897734 RRXING-897031 Yes 898018 RRXING-898018 Yes 971653 RRXING-898028 Yes 971653 RRXING-898028 Yes 971653 RRXING-898020 Yes 898024 RRXING-898024 Yes 898026 RRXING-898024 Yes 898026 RRXING-898024 Yes 898026 RRXING-898025 Yes 897424 RRXING-898024 Yes 898020 RRXING-898020 Yes 898020 RRXING-898020 Ves 898020 RRXING-898020 Ves 898020 RRXING-898020 Yes 898020 RRXING-898020 Yes 898020 RRXING-898020 Yes 898020 RRXING-898020 Yes	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement Deeded None Private By Agreement Deeded None Deeded Deeded Deeded Deeded	RR Under At Grade	2.1 14.93 20.96 70.19 None None 14.14 16.4 16.55 None None 14.61 14.55 21.85 22.1 12.74 18.73 20.57 21.13 21.52	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank	None None None None None None None None	No	None 716 716 None None None None None 16 16 None None 16 None None None None None None None None	Excellent Excellent CRITICAL Good Poor Excellent CRITICAL Good CRITICAL Excellent Excellent Excellent Excellent Excellent	None None None None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 1185 None 69 NONE 71 170847Y 219 170853C 230 9430486 231 943049N 224 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S 235 943051P 236 170866D 237 170866D 237 170866C 238 170866B	987806 RRXING-987806 Yes 937435 RRXING-897435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-1001538 Yes 897425 RRXING-1001538 Yes 897426 RRXING-897425 Yes 897427 RRXING-897427 Yes 897431 RRXING-897431 Yes 897733 RRXING-897431 Yes 897734 RRXING-89733 Yes 897738 RRXING-89734 Yes 898018 RRXING-898028 Yes 971653 RRXING-989028 Yes 971653 RRXING-971653 No 897439 RRXING-898028 Yes 8974939 RRXING-898020 Yes 898024 RRXING-898025 Yes 897424 RRXING-898025 Yes 897424 RRXING-897424 Yes 898019 RRXING-898020 Yes 898020 RRXING-898020 Yes 898020 RRXING-898020 Yes 898022 RRXING-898020 Yes 898023 RRXING-898020 Yes 898023 RRXING-898020 Yes 898023 RRXING-898021 Yes 898023 RRXING-898021 Yes 898023 RRXING-898021 Yes	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement Deeded None Private Private Deeded None Deeded Deeded Deeded Deeded Deeded Deeded Deeded By Agreement	RR Under At Grade	2.1 74.93 720.96 70.19 None None None 14.14 16.55 None 14.61 74.55 22.1 72.74 18.73 70.57 71.13 71.52 71.13	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank Plank None None None Plank	None None None None None None None None	No	None 716 716 None None None None None None None None	Excellent Excellent CRITICAL Good Poor Excellent CRITICAL Good CRITICAL Excellent Excellent Excellent Excellent Excellent	None None None None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 1194 None 69 NONE 71 170847Y 219 170851N 221 170853C 230 943048G 231 943048N 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S 235 943051P 236 170866B 237 170867K 238 170866S 1462 943050H	987806 RRXING-987806 Yes 897435 RRXING-897435 Yes 949614 RRXING-996141 Yes 1001538 RRXING-1001538 Yes 897423 RRXING-897423 Yes 897425 RRXING-897425 Yes 897426 RRXING-897425 Yes 897427 RRXING-897431 Yes 897731 RRXING-897431 Yes 897733 RRXING-897431 Yes 897734 RRXING-897031 Yes 898018 RRXING-897031 Yes 898018 RRXING-89733 No 897638 RRXING-898028 Yes 971653 RRXING-978020 Yes 897424 RXXING-898024 Yes 898025 RXXING-898025 Yes 898026 RXING-898019 Yes 898020 RXING-898010 Yes 898020 RXING-898020 Yes 898020 RXING-898020 Yes 898020 RXING-898020 Yes 898021 RXING-898020 Yes	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement By Agreement Deeded None Private Deeded None Deeded By Agreement Deeded Deeded Deeded Deeded Deeded Deeded By Agreement Private	RR Under At Grade	2.1 74.93 70.96 70.96 70.19 None None None 14.14 76.55 None None 14.61 14.55 71.85 72.18 72.11 72.74 78.73 70.57 71.13 71.52 72.15 72.15 72.15 72.15 72.15 72.15 73.15 74.15 75.15 76	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None Plank	None None None None None None None None	No	None 716 None None None None None 16 716 None None 16 None None None 1716 None None None None None None None None	Excellent Excellent  CRITICAL Good Poor  Excellent  Excellent CRITICAL Good CRITICAL Good CRITICAL Good CRITICAL Excellent Excellent Excellent Excellent Excellent	None None None None None None None None
Signalized Crossing No Yes	<b>Total</b> 37 11	1317 170832J 225 NONE 1184 None 1451 None 69 NONE 71 170847Y 219 170853N 221 170853C 230 943048G 231 943048H 234 170863H 242 943053D 1185 None 226 NONE 239 170869Y 240 170870T 70 170846S 235 943051P 236 170866D 237 170867X 238 170868S 1462 943050H 34 NONE	987806 RRXING-987806 Yes 994614 RRXING-987435 Yes 949614 RRXING-949614 Yes 1001538 RRXING-949614 Yes 897425 RRXING-897425 Yes 897425 RRXING-897425 Yes 897426 RRXING-897425 Yes 897427 RRXING-897431 Yes 897431 RRXING-897431 Yes 897733 RRXING-897733 Yes 897734 RRXING-897734 Yes 898018 RRXING-898018 Yes 898018 RRXING-898018 Yes 971653 RRXING-971653 No 897439 RRXING-898028 Yes 971653 RRXING-971653 No 897439 RRXING-898024 Yes 898026 RRXING-898024 Yes 898027 RRXING-898025 Yes 898047 RRXING-898025 Yes 898049 RRXING-898020 Yes 898020 RRXING-898020 Yes 898020 RRXING-898020 Yes 898020 RRXING-898020 Yes 898021 RRXING-898017 Yes 898021 RRXING-898017 Yes 898027 RRXING-896069 Yes	Public Private Private By Agreement None Deeded None Deeded None Private By Agreement Private By Agreement Deeded None Private By Agreement Deeded None Deeded Private Deeded None Deeded Deeded Deeded Deeded Deeded Deeded Deeded Deeded Deeded	RR Under At Grade	2.1 74.93 70.96 70.19 None None None 14.14 76.4 76.55 None None 14.61 74.55 72.1 85 72.1 72.74 78.73 70.57 71.13 71.52 78.01 78	VERANDAST None None None None None None None None	Local Road Private	None Plank Plank Plank None None None None Plank	None None None None None None None None	No	None 716 None None None None None None None 16 None None None 16 None None None 16 None None None None None None None None	Excellent Excellent  CRITICAL Good Poor  Excellent CRITICAL GOOD Excellent Excellent CRITICAL Excellent Excellent Excellent Excellent Excellent Fair	None None None None None None None None

## Rail Corridor Context

#### **Berlin Subdivision Corridor Characteristics (for Cost Estimating)**

- Road crossings (48)
- Roadway types

Road Type 🔻 Number	er of Roads
Local Road	22
Private	23
State Road	3
Grand Total	48

Signal	lized	or	not
91191	11200		

Signalized Crossing	<b>▼</b> Total
No	37
Yes	11
Grand Total	48

Bridges (9)

Bridge Name	₩.	Max Span 🔻	Length 🔻	Design Main	Material <b>T</b>
BERLIN #04.50		85	324	02 - Stringer/Multi-beam or Girder	3 - Steel
BERLIN #11.66		125	129	10 - Truss - Thru	3 - Steel
BERLIN #15.70		110	114	10 - Truss - Thru	3 - Steel
BERLIN #16.70		16	17	02 - Stringer/Multi-beam or Girder	3 - Steel
BERLIN #21.80		14	15	02 - Stringer/Multi-beam or Girder	3 - Steel
BERLIN #22.90		23	24	02 - Stringer/Multi-beam or Girder	3 - Steel
BERLIN #23.90		64	67	03 - Girder and Floorbeam System	3 - Steel
BERLIN #24.40		64	67	03 - Girder and Floorbeam System	3 - Steel
BERLIN #24.90		63	65	03 - Girder and Floorbeam System	3 - Steel

Superstructure Condition Rating	Ψ.	Substructure Rating
5 - Fair Condition (minor section loss)		5 - Fair Condition (minor section loss)
4 - Poor Condition (advanced deterioration)		5 - Fair Condition (minor section loss)
5 - Fair Condition (minor section loss)		6 - Satisfactory Condition (minor deterioration)
6 - Satisfactory Condition (minor deterioration)		5 - Fair Condition (minor section loss)
6 - Satisfactory Condition (minor deterioration)		5 - Fair Condition (minor section loss)
5 - Fair Condition (minor section loss)		5 - Fair Condition (minor section loss)
4 - Poor Condition (advanced deterioration)		4 - Poor Condition (advanced deterioration)
5 - Fair Condition (minor section loss)		6 - Satisfactory Condition (minor deterioration)
5 - Fair Condition (minor section loss)		6 - Satisfactory Condition (minor deterioration)