

March 1, 2024**Addendum No. 01****File Reference Number: RFQ 2024 004****Title: Eight (8) Number 8 115lb Turnouts, Five (5) Number 11 115lb Turnouts, and One (1) Number 20 115lb Turnout****RE: Clarifications/Questions**

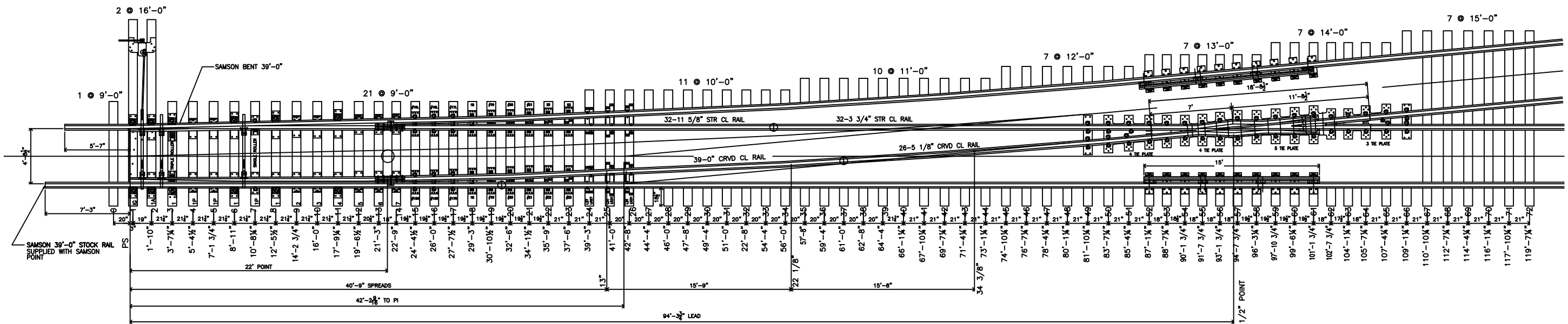
Please refer to the following information / clarifications:

Part 3 – RFQ Specifications – Schedule 3-A – Scope of Work**Item 1:** Please provide the available reference drawings for the Number 11 Turnouts and the Number 8 Turnouts.**Answer:** Please find DWG No. B-1412 for the Number 11 115lb Turnouts attached to this Addendum at Appendix A and the ONTC No. 8 Turnout Drawing for the Number 8 115lb Turnouts attached to this Addendum at Appendix B.

Regards,

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

APPENDIX A



NOTES

- 115RE HH RAIL
- #11 RBM FROG 18' 8 1/2" OAL DRILLED 3 1/2 x 6 x 6
- 22' 0" SWITCH POINTS SAMSON & KNIFE AREA 115 UNIFORM RISER
- 15' 0" AREA 504 GUARD RAILS W/WELDED SHOULDER PLATES 3/4 x 8
- BOLTLESS ADJUSTABLE BRACE AND GAGE PLATE, 1 x 8 PLATE
- MILLED 1P PLATES & WELDED SHOULDER SLIDE AND HEEL PLATES
- MILLED PANDROL TURNOUT PLATES & HTP
- FROG PLATES AS SHOWN 4 & 5 TIE DESIGN, 3/4" PLATE
- CLOSURE RAIL LENGTHS AND TIES LISTED FOR REFERENCE
- LEFT HAND TURNOUT SHOWN
- SINGLE SAMSON TURNOUT HAS SAMSON POINT ON STRAIGHT TRACK WITH BENT STOCK RAIL KNIFE POINT FOR TURNOUT TRACK

OPTIONAL COMPONENTS

- A. SCHWIHAG TURNOUT ROLLERS
 - TIE #3, BRACED: TRIPLE ROLLER
 - TIE #7, NOT BRACED: SINGLE ROLLER
- B. 3 EACH INSULATED ADJUSTABLE SWITCH RODS
- C. 1 EACH INSULATED #1-G PANDROL ADJUSTABLE GAGE PLATE WITH CLIPS

Bill of Materials 115RE #11 New Turnout Single Samson Point		
Qty	UOM	Description
1	each	Railbound Manganese Frog complete with the following plates:
1	each	5-tie integral base plate
2	each	4-tie integral base plate
1	each	3-tie integral base plate
2	each	Single plates.
		All frog plates will be furnished with Pandrol shoulders and Pandrol clips. The frog plates in the body of the frog will be e-clipped to the frog.
1	pair	15' AREMA Guard Rails complete blocks, bolts, and standard AREMA guard rail plates
1	pair	22' Uniform-Riser Double Reinforced Switch Points with single side-jaw clips; one point Samson and one point Knife-cut
3	each	Non-Insulated Adjustable Switch Rods
1	each	Non-Insulated #1-G Pandrol Adjustable Gage Plate with clips
10	each	Pandrol Adjustable Braced Plates with clips
12	each	Pandrol Adjustable Braces
10	each	Standard AREMA Shoulder Slide Plates (6 ea. #1 P, 2 ea. #2, 2 ea. #3)
2	each	Plain Plates
4	each	Heel Plates
18	each	Pandrol Turnout Plates for tie numbers 15 through 23
12	each	Hook Twin Tie Plates for tie numbers 24 through 26 (2 ea. L27, 2 ea. LR27, 4 ea. L31, 4 ea. LR31)
1	pair	5-Hole Floating Heel Block Assemblies Complete
1	each	39' Undercut Stock Rail with vertex bend
1	each	Racor 31-B Switch Stand with 6' connecting rod
192	each	15/16" x 6" Screw Spikes

Bill of Materials 115RE #11 New Turnout Double Samson Point		
Qty	UOM	Description
1	each	Railbound Manganese Frog complete with the following plates:
1	each	5-tie integral base plate;
2	each	4-tie integral base plate;
1	each	3-tie integral base plate; and
2	each	Single plates.
		All frog plates will be furnished with Pandrol shoulders and Pandrol clips. The frog plates in the body of the frog will be e-clipped to the frog.
1	pair	15' AREMA Guard Rails complete blocks, bolts, and standard AREMA guard rail plates
1	pair	22' Uniform-Riser Double Reinforced Switch Points with single side-jaw clips; both points Samson
3	each	Non-Insulated Adjustable Switch Rods
1	each	Non-Insulated #1-G Pandrol Adjustable Gage Plate with clips
10	each	Pandrol Adjustable Braced Plates with clips
12	each	Pandrol Adjustable Braces
10	each	Standard AREMA Shoulder Slide Plates (6 ea. #1 P, 2 ea. #2, 2 ea. #3)
2	each	Plain Plates
4	each	Heel Plates
18	each	Pandrol Turnout Plates for tie numbers 15 through 23
12	each	Hook Twin Tie Plates for tie numbers 24 through 26 (2 ea. L27, 2 ea. LR27, 4 ea. L31, 4 ea. LR31)
1	pair	5-Hole Floating Heel Block Assemblies Complete
1	each	39' Undercut Stock Rail with vertex bend
1	each	39' Undercut Stock Rail - Straight
1	each	Racor 31-B Switch Stand with 6' connecting rod
192	each	15/16" x 6" Screw Spikes

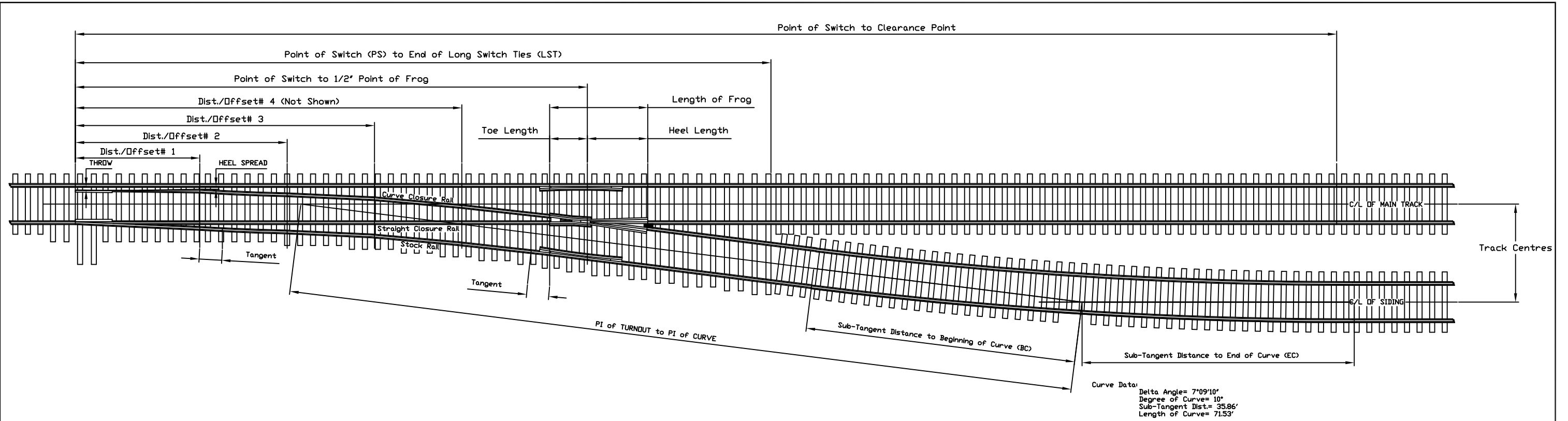
Tie Dimensions and Quantities					
Tie No.	Length	Tie Spacing	Dist. From PS to CL of Tie	Length & Qty	
1	16'	3.00	0'-3"	2@16'	
2	16'	19.00	1'-10"		
3	9'	21.25	3'-7 1/4"		
4	9'	21.25	5'-4 1/2"		
5	9'	21.25	7'-1 3/4"		
6	9'	21.25	8'-11"		
7	9'	21.25	10'-8 1/4"		
8	9'	21.25	12'-5 1/2"		
9	9'	21.25	14'-2 3/4"		
10	9'	21.25	16'-0"		
11	9'	21.25	17'-9 1/4"		
12	9'	21.25	19'-6 1/2"		
13	9'	20.50	21'-3"		21@9'
14	9'	18.00	22'-9"		
15	9'	19.50	24'-4 1/2"		
16	9'	19.50	26'-0"		
17	9'	19.50	27'-7 1/2"		
18	9'	19.50	29'-3"		
19	9'	19.50	30'-10 1/2"		
20	9'	19.50	32'-6"		
21	9'	19.50	34'-1 1/2"		
22	9'	19.50	35'-9"		
23	9'	21.00	37'-6"	11@10'	
24	10'	21.00	39'-3"		
25	10'	21.00	41'-0"		
26	10'	20.00	42'-8"		
27	10'	20.00	44'-4"		
28	10'	20.00	46'-0"		
29	10'	20.00	47'-8"		
30	10'	20.00	49'-4"		
31	10'	20.00	51'-0"		
32	10'	20.00	52'-8"		
33	10'	20.00	54'-4"		
34	10'	20.00	56'-0"		
35	11'	20.00	57'-8"		
36	11'	20.00	59'-4"		

Tie Dimensions and Quantities				
Tie No.	Length	Tie Spacing	Dist. From PS to CL of Tie	Length & Qty
37	11'	20.00	61'-0"	10@11'
38	11'	20.00	62'-8"	
39	11'	20.00	64'-4"	
40	11'	21.25	66'-1 1/4"	
41	11'	21.00	67'-10 1/4"	
42	11'	21.00	69'-7 1/4"	
43	11'	21.00	71'-4 1/4"	
44	11'	21.00	73'-1 1/4"	
45	12'	21.00	74'-10 1/4"	
46	12'	21.00	76'-7 1/4"	
47	12'	21.00	78'-4 1/4"	
48	12'	21.00	80'-1 1/4"	7@12'
49	12'	21.00	81'-10 1/4"	
50	12'	21.00	83'-7 1/4"	
51	12'	21.00	85'-4 1/4"	
52	13'	21.00	87'-1 1/4"	
53	13'	18.00	88'-7 1/4"	
54	13'	18.50	90'-1 3/4"	
55	13'	18.00	91'-7 3/4"	
56	13'	18.00	93'-1 3/4"	
57	13'	18.00	94'-7 3/4"	
58	13'	19.50	96'-3 1/4"	
59	14'	19.50	97'-10 3/4"	
60	14'	19.50	99'-6 1/4"	
61	14'	19.50	101'-1 3/4"	
62	14'	18.00	102'-7 3/4"	
63	14'	17.50	104'-1 1/4"	
64	14'	18.00	105'-7 1/4"	
65	14'	21.00	107'-4 1/4"	
66	15'	21.00	109'-1 1/4"	7@14'
67	15'	21.00	110'-10 1/4"	
68	15'	21.00	112'-7 1/4"	
69	15'	21.00	114'-4 1/4"	
70	15'	21.00	116'-1 1/4"	
71	15'	21.00	117'-10 1/4"	
72	15'	21.00	119'-7 1/4"	

- 7 20120813 Corrected offset dimensions BRW
 - 6 20120302 Chg table decimals to fract BRW
 - 5 20120213 Changed tbl heel blks, sw pts BRW
- No. Date Revision 7 By

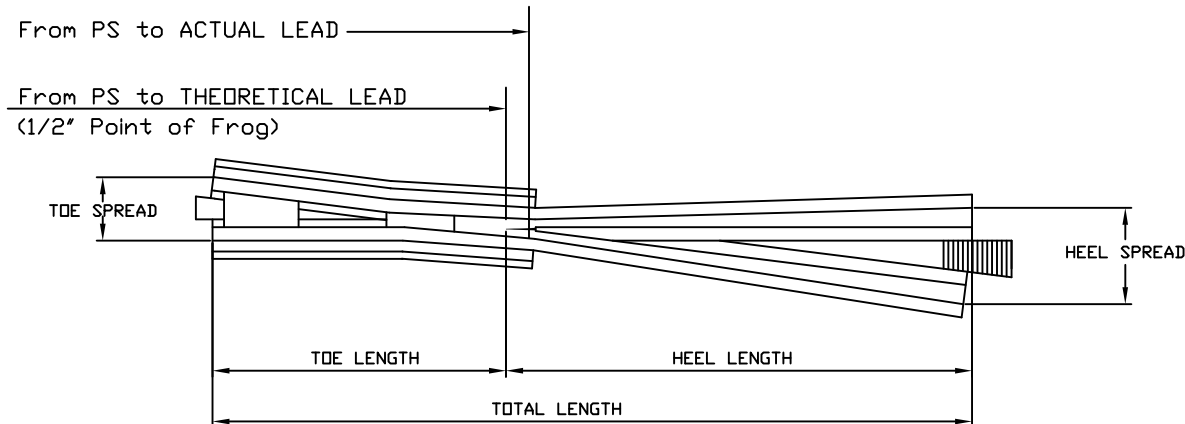
TRK-STDPL
 ONR 22 FOOT NUMBER 11
 STANDARD TURNOUT

APPENDIX B



Rail Section	Turnout Number	SWITCH			FROG		LEAD		Tang. Adj. to		CURVE C/L of TURNOUT			CLOSURE RAIL DATA			TURNOUT CURVE OFFSETS					TURNOUT LAYOUT DIMENSIONS					CLEARANCE POINT						
		Switch Point	Heel Angle	Throw	Heel Spread	Type	Angle	Actual	Theoretical	Heel of Switch	Toe of Frog	Int'sect. Angle	Degree Curve	Radius	Straight Closure Rail	Curved Closure Rail	Curved Closure Stock Rail	Dist#1	Offset	Dist#2	Offset	Dist#3	Offset	PS to PI	PS to PF	PS to HF	PS to LST	C/C at 14 FT	C/C at 13 FT	DIFF.	Sdg. Deg. Crv	Sub-Tang.	
80 90	# 8	15'	1°54'37"	4 3/4'	6 1/4'	Rail Bounded Self Manganese	7°09'10"	65'-6"	65'-2"	2'-2"	6'-8"	5°14'33"	12°37'	452.69'	48'-3"	48'-6 5/8"	41'-7 9/16"	25'-6"	11 5/16"	36'-0"	19 5/16"	46'-6"	2'-6 3/16"	27.96'	37.54'	45.54'	75.83'	6'	175.28'	167.25'	8.03'	10°	35.86'
80 90	# 8	15'	1°54'37"	4 3/4'	6 1/4'	Rail Bounded Self Manganese	7°09'10"	65'-7 1/4"	65'-3 1/4"	2'-2"	6'-8"	5°14'33"	12°37'	452.69'	43'-6"	43'-9 5/8"	41'-7 9/16"	25'-6"	11 5/16"	36'-0"	19 5/16"	46'-6"	2'-6 3/16"	28.01'	37.60'	45.60'	75.83'	6'	175.63'	167.30'	8.33'	10°	35.86'
115	# 8	15'	1°54'37"	4 3/4'	6 1/4'	Rail Bounded Self Manganese	7°09'10"	65'-7 1/4"	65'-3 1/4"	2'-2"	6'-8"	5°14'33"	11°24'10"	503.35'	43'-7"	43'-9 3/8"	43'-9 3/8"	27'-0"	12 1/2"	39'-0"	22 1/2"	51'-0"	2'-11 7/8"	28.01'	37.60'	45.60'	76.02'	6.02'	175.68'	167.30'	8.33'	10°	35.86'
80 90 115	# 11	22'	1°18'08"	5' 4 3/4'	6 1/4'	Rail Bounded Self Manganese	5°12'18"	94'-3 3/4"	93'-10 1/4"	3'-0"	6'-8"	3°34'10"	6°12'47"	922.65'	65'-3 3/4"	65'-5 1/8"	62'-10 1/4"	40'-9"	13"	56'-6"	22 1/8"	72'-2"	2'-10 3/8"	42.62'	51.69'	63.40'	119.27'	6.98'	240.67'	228.64'	12.03'	6°	43.41'

TURNOUT FROG DATA								
Rail Section	Turnout Number	Type	Angle	Toe Length	Heel Length	Total	Toe Spread	Heel Spread
80 90	# 8	Rail Bounded Self Manganese	7°09'10"	2'-3"	5'-0"	7'-3"	2 7/8"	8"
80 90 115	# 8	Rail Bounded Self Manganese	7°09'10"	7'-0"	8'-0"	15'-0"	10"	12 1/2"
80 90 115	# 11	Rail Bounded Self Manganese	5°12'18"	7'-0"	11'-8 1/2"	18'-8 1/2"	7 1/8"	13 1/4"



ONTARIO NORTHLAND
RAIL SERVICES
ENGINEERING DEPARTMENT

STANDARD TURNOUT DATA

DR. BY:	P. HOULE	CAD. NO.
CH. BY:		DWG. NO.
DATE:	04/11/98	
SCALE:	N.T.S.	