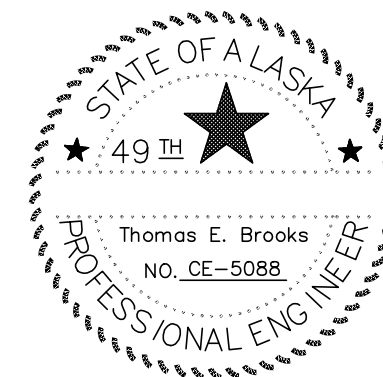


TURNOUT DATA

FROG NO.	SWITCH GEOMETRY	FROG ANGLE	PS TO PI	ACTUAL LEAD	TURNOUT CURVE	PS TO 13.5' CLEARANCE POINT"	PREFERRED DEGREE OF RETURN CURVE'
7	16'-6"	8°10'16"	31'-9"	65'		131'-11"	12°30'
9	16'-6"	6°21'35"	30'-3"	73'	9°36'35"	159'-5"	7°30'
11	22' (16'-6")*	5°12'18"	39'-7 1/4"	91'-10 1/4"	6°10'56"	197'-8 1/4"	5°00'
15	30'	3°49'06"	55'-1 1/2"	126'-4 1/2"	3°25'13"	270'-3 1/4"	2°45'
11	19'-6"	5°12'18"	31'-3"	83'-6"	5°39'48"	189'-5"	5°00'
15	26'	3°49'06"	39'-11 7/16"	111'-2 3/4"	3°5'30"	255'-1"	2°45'

*SOME OLDER TURNOUTS USED 16'6" SWITCH POINTS

REQUIRED LENGTH BETWEEN FACING POINTS OF SWITCH:
 NO. 9 TURNOUTS: 40' MINIMUM, 100 FT PREFERRED
 NO. 11, NO 15 TURNOUTS: 100' MINIMUM
 FOR UNIT TRAINS AND INTERMODAL TRAINS, ONE CAR LENGTH
 MINIMUM, 100' PREFERRED



ALASKA RAILROAD CORPORATION ENGINEERING SERVICES P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500			
STANDARD PLAN ARRC STANDARDS TURNOUT DATA			
APPROVED:	DATE:		
DESIGNED BY: JLS	SCALE: NTS	DRAWING	VERSION
DRAWN BY: JLS	DATE: 12/23/2008	XXX	01
CHECKED BY:	PAGE: 1 of 1		
APPROVED BY: TEB			