

ITEMS USED IN ALL # 9 TURNOUTS

QTY.	COMPONENT DESCRIPTION	DWG #	BNSF ITEM #	UPRR ITEM #
1	16'-6" (EXT. 35'-10") STRAIGHT SAMSON SWITCH POINT (NO TIP)	241100	SEE DWG	SEE DWG
1	16'-6" (EXT. 35'-10") STRAIGHT SAMSON SWITCH POINT (WITH TIP)	241100	SEE DWG	SEE DWG
1	36'-7" STRAIGHT SAMSON STOCK RAIL	241500	SEE DWG	SEE DWG
1	36'-5" BENT/CURVED SAMSON STOCK RAIL	241500	SEE DWG	SEE DWG
1 EA.	SWITCH ROD NO. 2	241600	SEE DWG	SEE DWG
2	"GP" GAGE PLATE FOR TIES 6A & 10A AHEAD OF POINT	241304	515821526	N/A
1	"GP0/2A" ADJUSTABLE BRACE GAGE PLATE FOR TIE 2A	241301	515821501	N/A
2	"1A" PLATE FOR TIE 1A	241307	515821539	N/A
1	"GP5 & GP9" ADJUSTABLE BRACE GAGE PLATE FOR TIES 5 & 9	241305	515821526	N/A
2	EKOSLIDE ROLLER ASSEMBLY TYPE CZ-5	UPRR 2223/BNSF 2413.15	SEE DWG	SEE DWG
4	"BP1" ADJUSTABLE BRACE SLIDE PLATE	241306	515821532	557-2960
4	"SP1" SLIDE PLATE	241306	515821533	557-2961
2	RRSP - ROLLER RISER SLIDE PLATE FOR TIE 8	UPRR 2223/BNSF 2413.19	SEE DWG	SEE DWG
2	EKOSLIDE ROLLER ASSEMBLY TYPE CX	UPRR 2223/BNSF 2413.14	SEE DWG	SEE DWG
4	"SP2" RISER SLIDE PLATE FOR TIES 9 AND 10	241306	515821534	N/A
2	TURNOUT PLATES T11 THRU T20	241307	SEE DWG	SEE DWG
1	"GP14" GAGE PLATE FOR TIE 14	241311	SEE DWG	SEE DWG
1	"GP23" GAGE PLATE FOR TIE 23	241312	SEE DWG	SEE DWG
1	"GP32" GAGE PLATE FOR TIE 32	241313	SEE DWG	SEE DWG
1	29'-7 1/2" CLOSURE INSULATED JOINT RAIL	341001	524400030	N/A
1	31'-4" INSULATED JOINT TURNOUT RAIL	341001	524400027	N/A
1	29'-7 1/2" CLOSURE RAIL (ONLY IN NON-INSULATED T.O.)	341001	N/A	N/A
1	31'-4" TURNOUT RAIL (ONLY IN NON-INSULATED T.O.)	341001	N/A	N/A
207	136 LB. RAIL (IN LINEAR FEET)	N/A	N/A	N/A
142	PANDROL TIE PLATE	263000	525820956	503-9020
14	MODIFIED PANDROL TIE PLATE	263001	N/A	N/A
462	PANDROL ECLIP E-2055 (SUBTRACT 8 FOR INSULATED T.O.)	132500	521710020	503-6100
8	INSULATED JOINT CLIP ASSEMBLY (ONLY IN INSULATED T.O.)	132800	SEE DWG	SEE DWG
1064	15/16" DIA. x 6 1/2" LG. "RAILROAD APPROVED" SCREW SPIKES	130800	527570012	503-8620
2208	RAIL ANCHORS FOR BNSF	135010	520130012	N/A
432	RAIL ANCHORS FOR UPRR	135010	N/A	550-1650

ITEMS SPECIAL TO MANUAL OR POWER AND A CHOICE OF FROGS

QTY.	REQUIRED FOR MANUAL	DWG #	BNSF ITEM #	UPRR ITEM #
2	"BP0" PLATE FOR TIE 0	241306	515821535	N/A
1	"GP1" ADJUSTABLE BRACE GAGE PLATE FOR TIE 1	241300	SEE DWG	SEE DWG
2	RBP - ADJUSTABLE BRACE ROLLER PLATE FOR TIE 2	UPRR 2223/BNSF 2413.19	SEE DWG	SEE DWG
1	7" X 9" X 10'-0" TIE (TIE 0)	N/A	0484000005T	502-1000
2	7" X 9" X 16'-0" OR 7" X 9" X 17'-0" TIE (TIES 1 AND 2)	N/A	004929576	502-1600
1	SWITCH ROD NO. 1	241600	SEE DWG	557-5587
QTY.	REQUIRED FOR POWER	DWG #	BNSF ITEM #	UPRR ITEM #
1	"GP0/2A" ADJUSTABLE BRACE GAGE PLATE FOR TIE 0	241301	515821501	N/A
1	"GPM1L/R" ADJ. BRACE MACHINE GAGE PLATE FOR TIE 1	241302	SEE DWG	SEE DWG
1	"GPM2L/R" ADJ. BRACE MACHINE GAGE PLATE FOR TIE 2	241303	SEE DWG	SEE DWG
2	RBP - ADJUSTABLE BRACE ROLLER PLATE FOR TIE 4	UPRR 2223/BNSF 2413.19	SEE DWG	SEE DWG
1	8" (TOP) X 10" X 10'-0" TIE (TIE 0)	250000	048400996N	502-4300
2	7" X 10" X 14'-0" TRAPEZOID TIE (TIES 1 AND #2)	250000	048400999N	502-4899
1	SWITCH ROD NO. 1 WITH BASKET (ADJUSTER)	241601	SEE DWG	557-5585
QTY.	FROGS	DWG #	BNSF ITEM #	UPRR ITEM #
1	RBM WITH PLATES	151000	SEE DWG	SEE DWG
1	SOLID MANGANESE SELF GUARDED FROG WITH PLATES	151200	SEE DWG	SEE DWG
6	"FGP" FROG GAGE PLATE	156000	515821497	555-6806
QTY.	ITEMS REQUIRED FOR RBM FROGS	DWG #	BNSF ITEM #	UPRR ITEM #
2	13'-0" BOLTLESS ADJUSTABLE GUARD BAR	160100	516240060	556-5250

TIES USED IN ALL # 9 TURNOUTS

QTY.	SIZE	TIE NUMBER
10	7" X 9" X 10'-0"	TIES 1A THRU 10A
11	7" X 9" X 10'-0"	TIES 3 THRU 13
20	7" X 9" X 11'-0"	TIES 14 THRU 33
6	7" X 9" X 12'-0"	TIES 34 THRU 39
6	7" X 9" X 13'-0"	TIES 40 THRU 45
5	7" X 9" X 14'-0"	TIES 46 THRU 50
5	7" X 9" X 15'-0"	TIES 51 THRU 55
6	7" X 9" X 16'-0"	TIES 56 THRU 61
6	7" X 9" X 17'-0"	TIES 62 THRU 67

NOTES FOR MANUFACTURERS

1. ALL MATERIAL TO MEET OR EXCEED RAILROADS RELATED SPECIFICATIONS.
2. SIGNAL DEPARTMENT TO FURNISH DAP PLATING FOR MACHINE MOUNTING.
3. TRAPEZOID HEAD BLOCK TIES ARE DAPPED PER DWG 250000.

POWER OPERATED ITEM NUMBERS	BNSF L.H.		BNSF R.H.		UPRR L.H.		UPRR R.H.	
	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH
USE OF BONDED JOINT IN TURNOUTS	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH
136 LB - #9 TURNOUT W/ RBM FROG, PANEL (COMPLETE)	518789100	518789099	518789098	518789097	N/A	N/A	N/A	N/A
136 LB - #9 TURNOUT W/ SMSG FROG, PANEL (COMPLETE)	518789104	518789103	518789102	518789101	N/A	N/A	N/A	N/A
136 LB - #9 TURNOUT W/ RBM FROG, PREPLATED TIES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
136 LB - #9 TURNOUT W/ SMSG FROG, PREPLATED TIES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

MANUAL OPERATED ITEM NUMBERS	BNSF L.H.		BNSF R.H.		UPRR L.H.		UPRR R.H.	
	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH
USE OF BONDED JOINT IN TURNOUTS	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH	WITHOUT	WITH
136 LB - #9 TURNOUT W/ RBM FROG, PANEL (COMPLETE)	518789092	518789091	518789090	518789089	N/A	N/A	N/A	N/A
136 LB - #91 TURNOUT W/ SMSG FROG, PANEL (COMPLETE)	518789096	518789095	518789094	518789093	N/A	N/A	N/A	N/A
136 LB - #9 TURNOUT W/ RBM FROG, PREPLATED TIES	N/A	N/A	N/A	N/A	557-8056	N/A	557-8057	N/A
136 LB - #9 TURNOUT W/ SMSG FROG, PREPLATED TIES	N/A	N/A	N/A	N/A	557-8054	N/A	557-8055	N/A



COMMON STANDARDS

**NO. 9 TURNOUT WITH RBM AND SMSG FROGS
BILL OF MATERIALS**

FILE OWNER: BNSF DATE: FEB. 16, 2017

REV. NO.: 5 DWG NO: 341200

341200