

**ITEMS USED IN ALL NO. 15 TURNOUTS**

QTY.	COMPONENT DESCRIPTION	DWG NO.	BNSF ITEM NO.	UPRR ITEM NO.
1	26-0" (EXT. 37"-7") STRT SAMSON SWITCH POINT (NO TIP)	245100	SEE DWG	SEE DWG
1	26-0" (EXT. 37"-7") CURVED SAMSON SWITCH POINT (W/TIP)	245100	SEE DWG	SEE DWG
1	47"-11" STRAIGHT SAMSON STOCK RAIL	241500	SEE DWG	SEE DWG
1	46'-2" BENT/CURVED SAMSON STOCK RAIL	241500	SEE DWG	SEE DWG
1 EA.	SWITCH RODS NO. 2 AND 3	241600	516620171	557-5586
2	"GP" GAGE PLATE FOR TIES 6A & 10A AHEAD OF POINT	241304	515821526	N/A
2	"1A" PLATE FOR TIE 1A AHEAD OF POINT	241306	515821540	N/A
2	"GPO/2A" ADJUSTABLE BRACE GAGE PLATE FOR TIES 0 & 2A	241301	515821003	N/A
1	"GP5" ADJUSTABLE BRACE GAGE PLATE FOR TIE 5	245305	515910639	N/A
1	"GP12" GAGE PLATE FOR TIE 12	245300	515910640	N/A
2	RBP - ADJUSTABLE BRACE ROLLER PLATE FOR TIE 3	UPRR 2223/BNSF 2413.19	SEE DWG	SEE DWG
2	EKOSLIDE ROLLER ASSEMBLY TYPE CZ-5	UPRR 2223/BNSF 2413.15	SEE DWG	SEE DWG
4	RSP - ROLLER SLIDE PLATE FOR TIES 6 & 10	UPRR 2223/BNSF 2413.19	SEE DWG	SEE DWG
4	EKOSLIDE ROLLER ASSEMBLY TYPE CX	UPRR 2223/BNSF 2413.14	SEE DWG	SEE DWG
8	"BP1" ADJUSTABLE BRACE SLIDE PLATE	241306	515821014	557-2638
4	"SP1" SLIDE PLATE	241306	515821069	557-2849
2	RISER SLIDE PLATES - RSP1, RSP2, AND RSP3	243309	SEE DWG	SEE DWG
2	TURNOUT PLATES T17 THRU T29	245307	SEE DWG	557-8991
1	"GP26" GAGE PLATE FOR TIE 26	245310	SEE DWG	SEE DWG
1	"GP38" GAGE PLATE FOR TIE 38	245311	SEE DWG	SEE DWG
1	"GP50" GAGE PLATE FOR TIE 50	245312	SEE DWG	SEE DWG
2	19'-6" BOLTLESS ADJUSTABLE GUARD RAIL	160100	516240059	556-5260
6	"FGP" FROG GAGE PLATE	156000	515821497	555-6806
1	39'-0" CLOSURE INSULATED JOINT RAIL	345001	524400035	N/A
1	35'-9" INSULATED JOINT TURNOUT RAIL	345001	524400034	N/A
384	136 OR 141 LB. RAIL (IN LINEAR FEET)	176000	SEE DWG	SEE DWG
218	PANDROL TIE PLATE	263000	525820956	503-9020
14	MODIFIED PANDROL TIE PLATE	263001	N/A	N/A
720	PANDROL CLIP E-2055	132500	521710020	503-6100
8	PANDROL INSULATED JOINT CLIP ASSEMBLY	132800	521710020	503-5580
1424	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
610	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 #
1	"GP1" ADJUSTABLE BRACE GAGE PLATE FOR TIE 1	241300	SEE DWG	SEE DWG
2	"BP1" ADJUSTABLE BRACE SLIDE PLATE FOR TIE 2	245306	515821014	557-2638
1	7" X 9" X 10'-0" TIE (TIE 0)	N/A	N/A	502-1000
2	7" X 9" X 16'-0" OR 7" X 9" X 17'-0" TIE (TIES 1 AND 2)	N/A	N/A	502-1600
1	SWITCH ROD NO. 1	241600	SEE DWG	557-5587

  

QTY.	REQUIRED FOR POWER	DWG #	BNSF ITEM #	UPRR ITEM #
1	SWITCH ROD NO. 1 WITH BASKET (ADJUSTER)	241601	SEE DWG	557-5585
1	"GPM1L/R" ADJUSTABLE BRACE MACHINE GAGE PLATE FOR TIE 1	241302	SEE DWG	SEE DWG
1	"GPM2L/R" ADJUSTABLE BRACE MACHINE GAGE PLATE FOR TIE 2	241303	SEE DWG	SEE DWG
1	8" (TOP) X 10" X 10'-0" TIE (TIE 0)	N/A	SEE DWG	502-4300
2	7" X 10" X 14'-0" TRAPEZOID TIE (TIES 1 AND 2)	250000	SEE DWG	502-4899

  

QTY.	REQUIRED FOR POWER	DWG #	BNSF ITEM #	UPRR ITEM #
1	30'-11" RBM WITH PLATES	157100	SEE DWG	SEE DWG
1	30'-11" SOLID MANGANESE SPRING FROG WITH PLATES	157200	SEE DWG	SEE DWG

**TIES USED IN ALL #15 TURNOUTS**

QTY.	SIZE	TIE NUMBER
10	7" X 9" X 10'-0"	TIES 1A THRU 10A
19	7" X 9" X 10'-0"	TIES 3 THRU 21
25	7" X 9" X 11'-0"	TIES 22 THRU 46
11	7" X 9" X 12'-0"	TIES 47 THRU 57
9	7" X 9" X 13'-0"	TIES 58 THRU 66
9	7" X 9" X 14'-0"	TIES 67 THRU 75
10	7" X 9" X 15'-0"	TIES 76 THRU 85
9	7" X 9" X 16'-0"	TIES 86 THRU 94
9	7" X 9" X 17'-0"	TIES 95 THRU 103

**NOTES FOR MANUFACTURERS**

- ALL MATERIAL TO MEET OR EXCEED RAILROADS RELATED SPECIFICATIONS.
- SIGNAL DEPARTMENT TO FURNISH #1 ROD BASKET ADJUSTER AND DAP PLATING FOR MACHINE MOUNTING.
- TRAPEZOID HEAD BLOCK TIES ARE DAPPED PER DWG 250000.

MANUAL OPERATED ITEM NUMBERS	BNSF L.H.	BNSF R.H.	UPRR L.H.	UPRR R.H.
136 LB - #15 TURNOUT W/ SPRING SWITCH AND RBM FROG, PANEL (COMPLETE)	518789148	518789149	N/A	N/A
136 LB - #15 TURNOUT W/ SPRING SWITCH AND SPRING FROG, PANEL (COMPLETE)	518789150	518789151	N/A	N/A
136 LB - #15 TURNOUT W/ RBM FROG, PREPLATED TIES	N/A	N/A	557-8289	557-8290
136 LB - #15 TURNOUT W/ SPRING FROG, PREPLATED TIES	N/A	N/A	557-8295	557-8296
136 LB - #15 TURNOUT W/ SPRING SWITCH AND RBM FROG, PREPLATED TIES	N/A	N/A	557-8287	557-8288
136 LB - #15 TURNOUT W/ SPRING SWITCH AND SPRING FROG, PREPLATED TIES	N/A	N/A	557-8293	557-8294
141 LB - #15 TURNOUT W/ SPRING SWITCH AND RBM FROG, PANEL (COMPLETE)	518789238	518789239	N/A	N/A
141 LB - #15 TURNOUT W/ SPRING SWITCH AND SPRING FROG, PANEL (COMPLETE)	518789240	518789241	N/A	N/A

POWER OPERATED ITEM NUMBERS	BNSF L.H.	BNSF R.H.	UPRR L.H.	UPRR R.H.
136 LB - #15 TURNOUT W/ RBM FROG, PANEL (COMPLETE)	518789130	518789129	N/A	N/A
136 LB - #15 TURNOUT W/ SPRING FROG, PANEL (COMPLETE)	518789132	518789131	N/A	N/A
136 LB - #15 TURNOUT W/ RBM FROG, PREPLATED TIES	N/A	N/A	557-8245	557-8246
136 LB - #15 TURNOUT W/ SPRING FROG, PREPLATED TIES	N/A	N/A	557-8240	557-8241
141 LB - #15 TURNOUT W/ RBM FROG, PANEL (COMPLETE)	518789242	518789243	N/A	N/A
141 LB - #15 TURNOUT W/ SPRING FROG, PANEL (COMPLETE)	518789244	518789245	N/A	N/A



**COMMON STANDARDS**

**NO. 15 TURNOUT 136/141 LB. WITH RBM AND SPRING FROGS, BILL OF MATERIALS**

FILE OWNER: UPRR	DATE: NOV. 22, 2016
REV. NO.: 7	DWG NO: 345200

345200