

DCA-08-MR-009
Metrolink – UP Collision
Chatsworth, CA
September 12, 2008

ATTACHMENT 10

CP Bernson Westbound Pre-accident
Inspection and Test Records

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PART 236 INSPECTIONS and TESTS



NAME: RON MONGIELLO
 SIGNATURE: *Ron Mongiello* DATE: 8-28-08
 SUBDIVISION: VENTURA
 REVIEWED BY: *Ron Mongiello* DATE: 9-10-08

Test must be made when placed in service, modified or disarranged, and at least once every designated time frame thereafter.

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- C = Test complete. Equipment in satisfactory condition
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- * = Explain on back of form.

M.P.	LOCATION	DATE OF TEST	MONTHLY					1 YEAR				2 YEAR						
			SW. CKT. CONT. 236.103	SHUNT FOUING 236.104	GAGE ATS INDUCTOR 236.576	SWITCH OBSTRUCTION 236.382	TEST ATS INDUCTOR 236.576	SIGNAL MECH. 236.102 (a)	TIMER NAME	PREDETERMINED TIME	TIME RELEASE/TIME RELAY 236.109			APPROACH LOCKING 236.377	TIME LOCKING 236.378	ROUTE LOCKING 236.379	INDICATION LOCKING 236.380	TRAFFIC LOCKING 236.381
											ACTUAL TIME	TEST RESULTS	TEST RESULTS					
442.65	SIGNALS 4426-4427	8-27-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
444.40	CP TOPANGA	8-28-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
445.70	SIGNALS 4451-4452-4453-4454	8-25-08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
446.10	HAND THROW SWITCH & SIGNAL	8-25-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
446.80	CP BERNSON	8-21-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
447.10	HAND THROW SWITCH & SIGNAL	8-20-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
447.15	HAND THROW SWITCH	8-20-08	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
447.60	HAND THROW SWITCH & SIGNAL	8-20-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
447.60	HAND THROW DERAIL	8-20-08	A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
448.30	SIGNALS 4483-4484	8-8-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
449.30	HAND THROW SWITCH & ELECTRIC LOCK	8-6-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
450.00	HAND THROW SWITCH & SIGNAL	8-11-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
450.35	HAND THROW SWITCH & SIGNAL	8-11-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
450.40	SIGNALS 4503-4504	8-6-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
451.80	SIGNALS 4517-4518	8-6-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
452.05	HAND THROW SWITCH & SIGNAL	8-19-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
453.10	CP RAYMER	8-19-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
453.55	HAND THROW SWITCH & ELECTRIC LOCK	8-7-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
453.60	HAND THROW SWITCH	8-7-08	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
453.70	CP ELLIKER	8-12-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
453.70	CP ELLIKER #1 POWER SWITCH	8-12-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
453.70	CP ELLIKER #1X POWER SWITCH	8-12-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
PART 236 INSPECTIONS and TESTS



NAME: **RON MONGIELLO**
 SIGNATURE: *Ron Mongiello*
 SUBDIVISION: **VENTURA**
 REVIEWED BY: *John P. As*

DATE: **8-1-08**
 DATE: **8-8-08**

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			SW. CKT. CONT. 236.103	SHUNT FOULING 236.104	GROUNDS 236.107	GAGE ATS INDUCTOR 236.576	SMWCH OBSTRUCTION 236.382	TEST ATS INDUCTOR 236.576	SL SIGNAL MECH. 236.102 (a)	TIMER NAME	PREDETERMINED TIME	ACTUAL TIME	TEST RESULTS	APPROACH LOCKING 236.377	TIME LOCKING 236.378	ROUTE LOCKING 236.379	INDICATION LOCKING 236.380	TRAFFIC LOCKING 236.381											
442.65	SIGNALS 4426-4427	7-31-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	
444.40	CP TOPANGA	7-29-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2
445.70	SIGNALS 4451-4452-4453-4454	7-28-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3
446.10	HAND THROW SWITCH & SIGNAL	7-28-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4
446.80	CP BERNSON	7-23-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5
447.10	HAND THROW SWITCH & SIGNAL	7-18-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6
447.15	HAND THROW SWITCH	7-18-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7
447.60	HAND THROW SWITCH & SIGNAL	7-18-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8
447.60	HAND THROW SWITCH & SIGNAL	7-18-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9
447.60	HAND THROW DERAIL	7-18-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10
448.30	SIGNALS 4483-4484	7-10-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11
449.30	HAND THROW SWITCH & ELECTRIC LOCK	7-9-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12
450.00	HAND THROW SWITCH & SIGNAL	7-11-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13
450.35	HAND THROW SWITCH & SIGNAL	7-11-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14
450.40	SIGNALS 4503-4504	7-9-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15
451.80	SIGNALS 4517-4518	7-9-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16
452.05	HAND THROW SWITCH & SIGNAL	7-16-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17
453.10	CP RAYMER	7-17-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18
453.55	HAND THROW SWITCH & ELECTRIC LOCK	7-9-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19
453.60	HAND THROW SWITCH	7-9-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20
453.70	CP ELLIKER	7-16-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21
453.70	CP ELLIKER #1 POWER SWITCH	7-16-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22
453.70	CP ELLIKER #1X POWER SWITCH	7-16-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23
																													24

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PART 236 INSPECTIONS and TESTS



NAME: RGN MONGIELLO
 SIGNATURE: [Signature] DATE: 6-30-08
 SUBDIVISION: VENTURA
 REVIEWED BY: [Signature] DATE: 7-14-08

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									TIMER NAME	PREDETERMINED TIME	ACTUAL TIME	TEST RESULTS									
442.65	SIGNALS 4426-4427	6-30-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1
444.40	CP TOPANGA	6-30-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2
445.70	SIGNALS 4451-4452-4453-4454	6-24-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3
446.10	HAND THROW SWITCH & SIGNAL	6-24-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4
446.80	CP BERNSON	6-23-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5
447.10	HAND THROW SWITCH & SIGNAL	6-20-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6
447.15	HAND THROW SWITCH	6-20-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7
447.60	HAND THROW SWITCH & SIGNAL	6-20-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8
447.60	HAND THROW SWITCH & SIGNAL	6-20-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9
447.60	HAND THROW DERAIL	6-20-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10
448.30	SIGNALS 4483-4484	6-13-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11
449.30	HAND THROW SWITCH & ELECTRIC LOCK	6-10-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12
450.00	HAND THROW SWITCH & SIGNAL	6-6-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13
450.35	HAND THROW SWITCH & SIGNAL	6-6-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14
450.40	SIGNALS 4503-4504	6-5-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15
451.80	SIGNALS 4517-4518	6-5-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16
452.05	HAND THROW SWITCH & SIGNAL	6-17-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17
453.10	CP RAYMER	6-18-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18
453.55	HAND THROW SWITCH & ELECTRIC LOCK	6-11-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19
453.60	HAND THROW SWITCH	6-11-08	C	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20
453.70	CP ELLIKER	6-12-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21
453.70	CP ELLIKER #1 POWER SWITCH	6-12-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22
453.70	CP ELLIKER #1X POWER SWITCH	6-12-08	A	C	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23
																					24

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 Communications and Signals Department
 PART 236 INSPECTIONS and TESTS



NAME: RON MONGIELLO
 SIGNATURE: [Signature]
 SUBDIVISION: VENTURA
 REVIEWED BY: [Signature]

DATE: 5-3-08
 DATE: 6-4-08

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				SV. CRT. CONT. 236.103	SHUNT FOULING 236.104	GAGE ATS INDUCTOR 236.576	SWITCH OBSTRUCTION 236.382	TEST ATS INDUCTOR 236.576	SI SIGNAL MECH. 236.102 (a)	TIMER NAME	PREDETERMINED TIME	ACTUAL TIME	TEST RESULTS	APPROACH LOCKING 236.377	TIME LOCKING 236.378	ROUTE LOCKING 236.379	INDICATION LOCKING 236.380	TRAFFIC LOCKING 236.381	236.109	TIME RELEASE/TIME RELAY		
442.65	SIGNALS 4426-4427	5-30-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
444.40	CP TOPANGA	5-28-08	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
445.70	SIGNALS 4451-4452-4453-4454	5-22-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
446.10	HAND THROW SWITCH & SIGNAL	5-22-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
446.80	CP BERNSON	5-21-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
447.10	HAND THROW SWITCH & SIGNAL	5-20-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
447.15	HAND THROW SWITCH	5-20-08	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
447.60	HAND THROW SWITCH & SIGNAL	5-20-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
447.60	HAND THROW DERAIL	5-20-08	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
448.30	SIGNALS 4483-4484	5-9-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
449.30	HAND THROW SWITCH & ELECTRIC LOCK	5-8-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
450.00	HAND THROW SWITCH & SIGNAL	5-7-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
450.35	HAND THROW SWITCH & SIGNAL	5-7-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
450.40	SIGNALS 4503-4504	5-6-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
451.80	SIGNALS 4517-4518	5-6-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
452.05	HAND THROW SWITCH & SIGNAL	5-16-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
453.10	CP RAYMER	5-19-08	A	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
453.55	HAND THROW SWITCH & ELECTRIC LOCK	5-14-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
453.60	HAND THROW SWITCH	5-14-08	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
453.70	CP ELLIKER	5-12-08	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
453.70	CP ELLIKER #1 POWER SWITCH	5-14-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
453.70	CP ELLIKER #1X POWER SWITCH	5-14-08	C	C	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
PART 236 INSPECTIONS and TESTS



NAME: **RON MONGIELLO**

SIGNATURE: *Ron Mongiello*

DATE: **4-30-08**

SUBDIVISION: **VENTURA**

DATE: **5-5-08**

REVIEWED BY: *[Signature]*

Test must be made when placed in service, modified or disarranged, and at least once every designated time frame thereafter.

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- * = Explain on back of form.

M.P.	LOCATION	DATE OF TEST	MONTHLY					1 YEAR				2 YEAR					LINE NO.										
			SW. CRT. CONT. 236.103	SHUNT FOULING 238.104	GAGE ATS INDUCTOR 236.576	SWITCH OBSTRUCTION 236.362	TEST ATS INDUCTOR 236.576	SL SIGNAL MECH. 236.102 (a)	TIMER NAME	PREDETERMINED TIME	ACTUAL TIME	TEST RESULTS	APPROACH LOCKING 236.377	TIME LOCKING 236.378	ROUTE LOCKING 236.379	INDICATION LOCKING 236.380		TRAFFIC LOCKING 236.381									
																			TIME RELEASE/TIME RELAY 236.108								
442.65	SIGNALS 4426-4427	4-29-08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1			
444.40	CP TOPANGA	4-18-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2		
445.70	SIGNALS 4451-4452-4453-4454	4-19-08	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	
446.10	HAND THROW SWITCH & SIGNAL	4-19-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	
446.80	CP BERNSON	4-24-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	
447.10	HAND THROW SWITCH & SIGNAL	4-18-08	A	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	
447.15	HAND THROW SWITCH	4-18-08	A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7	
447.60	HAND THROW SWITCH & SIGNAL	4-21-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	
447.60	HAND THROW DERAIL	4-21-08	C	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	
448.30	SIGNALS 4483-4484	4-9-08	N/A	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10	
449.30	HAND THROW SWITCH & ELECTRIC LOCK	4-8-08	A	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11	
450.00	HAND THROW SWITCH & SIGNAL	4-4-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12	
450.35	HAND THROW SWITCH & SIGNAL	4-4-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13	
450.40	SIGNALS 4503-4504	4-4-08	N/A	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14	
451.80	SIGNALS 4517-4518	4-4-08	N/A	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15	
452.05	HAND THROW SWITCH & SIGNAL	4-3-08	A	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	
453.10	CP RAYMER	4-17-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17	
453.55	HAND THROW SWITCH & ELECTRIC LOCK	4-22-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18	
453.60	HAND THROW SWITCH	4-22-08	A	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19	
453.70	CP ELLIKER	4-10-08	N/A	N/A	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20	
453.70	CP ELLIKER #1 POWER SWITCH	4-10-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21	
453.70	CP ELLIKER #1X POWER SWITCH	4-10-08	C	C	N/A	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	
																										23	
																											24

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PART 236 INSPECTIONS and TESTS



NAME: S.T. MORRIS
 SIGNATURE: *[Signature]*
 SUBDIVISION: VENTURA
 REVIEWED BY: *[Signature]*
 DATE: 7/30/08
 DATE: 8-8-08

Test must be made when placed in service, modified or disarranged, and at least once every designated time frame thereafter.

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LINE NO.	LOCATION	DATE OF TEST	MONTHLY						1 YEAR			2 YEAR						
			SW. CRT. CONT. 236.103	SHUNT FOULING 236.104	GROUNDS 236.107	GAGE ATS INDUCTOR 236.576	SWITCH OBSTRUCTION 236.382	TEST ATS INDUCTOR 236.576	SL SIGNAL MECH. 236.102 (a)	TIMER NAME	PREDETERMINED TIME	ACTUAL TIME	TEST RESULTS	APPROACH LOCKING 236.377	TIME LOCKING 236.378	ROUTE LOCKING 236.379	INDICATION LOCKING 236.380	TRAFFIC LOCKING 236.381
1	C.P. BERNSON	7/27/08								TE	360"	360"	C					
2										DTE	20"	20"	C					
3										ORTE	30"	30"	C					
4										FLTE	20"	21"	C					
5										SLTE	20"	21"	C					
6														C	C	C	C	C
7	FM OVER 1N	7/30/08												C	C	C	C	C
8	TM OVER 1N													C	C	C	C	C
9	FS OVER 1R													C	C	C	C	C
10	TS OVER 1R													C	C	C	C	C
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS

SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.106
 D.C. POLAR RELAY Rule 236.106 and 234.283
 D.C. NON-POLAR RELAY Rule 236.106 and 234.283



C.P. BERNSON
 ST
 400000
 500 OHM

VENTURA
 T SIG STOP
 SAFETRAN
 213152

RECORDING MARK:
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 A = Adjustment made & test complete.
 R = Repairs or replacement needed.
 S = Repairs or replacement made.
 * = Explain on back of form.

RATED									
MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING		MAX. CHANGE OVER			
NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE
2.42V		6.65V							

YEAR	2008	INITIAL CHARGE	12V.	RESULT OF TEST:	C
NEUTRAL CONTACTS					
MINIMUM RELEASE	2.87	POLAR CONTACTS		NAME (print) S.T. MORRIS	
MAXIMUM	5.35	CHANGE-OVER		SIGNATURE <i>[Signature]</i>	
DIRECT PICK-UP		Comments:		REVIEWED BY (print) J. McIntyre	
WORKING				SIGNATURE <i>[Signature]</i>	
				DATE 2/24/2008	
				DATE 3-4-03	

YEAR		INITIAL CHARGE		RESULT OF TEST:	
NEUTRAL CONTACTS					
MINIMUM RELEASE		POLAR CONTACTS		NAME (print)	
MAXIMUM		CHANGE-OVER		SIGNATURE	
DIRECT PICK-UP		Comments:		REVIEWED BY (print)	
WORKING				SIGNATURE	
				DATE	
				DATE	

YEAR		INITIAL CHARGE		RESULT OF TEST:	
NEUTRAL CONTACTS					
MINIMUM RELEASE		POLAR CONTACTS		NAME (print)	
MAXIMUM		CHANGE-OVER		SIGNATURE	
DIRECT PICK-UP		Comments:		REVIEWED BY (print)	
WORKING				SIGNATURE	
				DATE	
				DATE	

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.106 and 234.263

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- Explain on back of form.

SUBDIVISION VENTURA LOCATION VENTURA
 RELAY NAME RWR RELAY TYPE ST
 MANUFACTURER SAFETRAN PIECE NO. 400520
 SERIAL NO. 216883 COIL RESISTANCE 500 OHM
 C.P. BERNSON

RATED			
MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER
NORMAL	REVERSE	NORMAL	REVERSE
3.23v.	10.45v.		

YEAR	2008	INITIAL CHARGE	12v.	RESULT OF TEST:	C
		NEUTRAL CONTACTS	2X2	POLAR CONTACTS	
		MINIMUM RELEASE	3.81	NORMAL	REVERSE
		MAXIMUM DIRECT PICK-UP	5.81	CHANGE-OVER	Comments:
		WORKING			
		NAME (print)	S.T. MORRIS	DATE	2/24/2008
		SIGNATURE	<i>[Signature]</i>	REVIEWED BY (print)	J. MCINTYRE
		SIGNATURE	<i>[Signature]</i>	DATE	3-14-08

YEAR		INITIAL CHARGE		RESULT OF TEST:
		NEUTRAL CONTACTS		
		MINIMUM RELEASE	NORMAL REVERSE	
		MAXIMUM DIRECT PICK-UP	Comments:	
		WORKING		
		NAME (print)		DATE
		SIGNATURE		DATE
		REVIEWED BY (print)		DATE
		SIGNATURE		DATE

YEAR		INITIAL CHARGE		RESULT OF TEST:
		NEUTRAL CONTACTS		
		MINIMUM RELEASE	NORMAL REVERSE	
		MAXIMUM DIRECT PICK-UP	Comments:	
		WORKING		
		NAME (print)		DATE
		SIGNATURE		DATE
		REVIEWED BY (print)		DATE
		SIGNATURE		DATE

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.283
 D.C. NON-POLAR RELAY Rule 236.106 and 234.283

SUBDIVISION VENTURA LOCATION
 RELAY NAME NWTPPR RELAY TYPE ST
 MANUFACTURER SAFETRAN PIECE NO. 400000
 SERIAL NO. 110308 COIL RESISTANCE 500 OHM
 C.P. BERNSON

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- S = Repairs or replacement made.
- Exploit on back of form.

YEAR		2008		RATED		RESULT OF TEST:	
INITIAL CHARGE		12V.				C	
NEUTRAL CONTACTS		6X6		POLAR CONTACTS			
MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING		MAX. CHANGE OVER	
NORMAL		NORMAL		NORMAL		NORMAL	
REVERSE		REVERSE	2.91	REVERSE		REVERSE	
MAXIMUM		CHANGE-OVER		Comments:			
DIRECT PICK-UP		NORMAL	5.88	REVERSE			
WORKING		REVERSE		NORMAL			
		REVERSE		REVERSE			
				NAME (print) S.T. MORRIS		DATE 2/24/2008	
				SIGNATURE <i>[Signature]</i>			
				REVIEWED BY (print) J. McIntyre		DATE 3-4-08	
				SIGNATURE <i>[Signature]</i>			

YEAR				RESULT OF TEST:	
INITIAL CHARGE					
NEUTRAL CONTACTS					
MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING	
NORMAL		NORMAL		NORMAL	
REVERSE		REVERSE		REVERSE	
MAXIMUM		CHANGE-OVER		Comments:	
DIRECT PICK-UP		NORMAL		REVERSE	
WORKING		REVERSE		NORMAL	
		REVERSE		REVERSE	
				NAME (print)	
				SIGNATURE	
				REVIEWED BY (print)	
				SIGNATURE	
				DATE	
				DATE	

YEAR				RESULT OF TEST:	
INITIAL CHARGE					
NEUTRAL CONTACTS					
MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING	
NORMAL		NORMAL		NORMAL	
REVERSE		REVERSE		REVERSE	
MAXIMUM		CHANGE-OVER		Comments:	
DIRECT PICK-UP		NORMAL		REVERSE	
WORKING		REVERSE		NORMAL	
		REVERSE		REVERSE	
				NAME (print)	
				SIGNATURE	
				REVIEWED BY (print)	
				SIGNATURE	
				DATE	
				DATE	

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.106 and 234.263

SUBDIVISION VENTURA LOCATION C.P. BERNSON
 RELAY NAME NWR RELAY TYPE ST
 MANUFACTURER SAFETRAN PIECE NO. 400520
 SERIAL NO. 216893 COIL RESISTANCE 500 OHM

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YEAR	2008	INITIAL CHARGE	RATED						RESULT OF TEST:
			NEUTRAL CONTACTS		POLAR CONTACTS		CHANGE-OVER		
		MINIMUM	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER				
		RELEASE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	
		12V.	3.23V.	10.45V.					
		2X2	3.77		NORMAL	REVERSE			
		MAXIMUM	9.47		Comments:				
		DIRECT PICK-UP							
		WORKING							

NAME (print) S.T. MORRIS
 SIGNATURE *[Signature]*
 REVIEWED BY (print) J. MCINTYRE
 SIGNATURE *[Signature]*
 DATE 2/24/2008
 DATE 3-4-08

NAME (print)
 SIGNATURE
 REVIEWED BY (print)
 SIGNATURE
 DATE
 DATE

NAME (print)
 SIGNATURE
 REVIEWED BY (print)
 SIGNATURE
 DATE
 DATE

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.106 and 234.263

RECORDING MARK:

- C = Test complete. Equipment in satisfactory condition
- A = Adjustment made & test complete.
- R = Repairs or replacement needed.
- S = Repairs or replacement made.
- Equipment in satisfactory condition.
- Equipment on back of form.

SUBDIVISION VENTURA LOCATION
 RELAY NAME HR RELAY TYPE
 MANUFACTURER SAFETRAN PIECE NO.
 SERIAL NO. 110314 COIL RESISTANCE 500 OHM
 C.P. BERNSON
 ST 400000

YEAR	2008	INITIAL CHARGE	RATED						RESULT OF TEST:
			NEUTRAL CONTACTS		POLAR CONTACTS		CHANGE-OVER		
		MINIMUM	MAX. DIRECT PICK-UP	WORKING		MAX. CHANGE OVER			
		RELEASE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	
		2.42V.	6.65V.						
		12V.							
		6X6							
		MINIMUM	3.01						
		RELEASE							
		MAXIMUM	5.84						
		DIRECT PICK-UP							
		WORKING							

NAME (print) S.T. MORRIS
 SIGNATURE *[Signature]*
 REVIEWED BY (print) J. McIntyre
 SIGNATURE *[Signature]*
 DATE 2/24/2008
 DATE 3-4-08

YEAR	INITIAL CHARGE	RATED						RESULT OF TEST:
		NEUTRAL CONTACTS		POLAR CONTACTS		CHANGE-OVER		
		MINIMUM	MAX. DIRECT PICK-UP	WORKING		MAX. CHANGE OVER		
		RELEASE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE

NAME (print)
 SIGNATURE
 REVIEWED BY (print)
 SIGNATURE
 DATE
 DATE

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.105 and 234.263

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- R = Repairs or replacement needed.
- S = Repairs or replacement made.
- Equipment in satisfactory condition.
- Explain on back of form.

SUBDIVISION VENTURA LOCATION C.P. BERNSON
 RELAY NAME F SIG STOP RELAY TYPE ST
 MANUFACTURER SAFETRAIN PIECE NO. 400000
 SERIAL NO. 300948 COIL RESISTANCE 500 OHM

RATED			
MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER
NORMAL	NORMAL	NORMAL	NORMAL
REVERSE	REVERSE	REVERSE	REVERSE
2.42V.	6.65V.		

YEAR	2008	INITIAL CHARGE	12V.	RESULT OF TEST:	C
NEUTRAL CONTACTS		POLAR CONTACTS		NAME (print) S.T. MORRIS	
MINIMUM RELEASE		NORMAL	3.32	SIGNATURE	DATE 2/24/2008
MAXIMUM		REVERSE	5.81	REVIEWED BY (print) J. McIntyre	DATE 3-11-08
DIRECT PICK-UP		NORMAL		SIGNATURE	
WORKING		REVERSE			
CHANGE-OVER		Comments:			

YEAR		INITIAL CHARGE		RESULT OF TEST:	
NEUTRAL CONTACTS		POLAR CONTACTS		NAME (print)	
MINIMUM RELEASE		NORMAL		SIGNATURE	DATE
MAXIMUM		REVERSE		REVIEWED BY (print)	DATE
DIRECT PICK-UP		NORMAL		SIGNATURE	
WORKING		REVERSE			
CHANGE-OVER		Comments:			

YEAR		INITIAL CHARGE		RESULT OF TEST:	
NEUTRAL CONTACTS		POLAR CONTACTS		NAME (print)	
MINIMUM RELEASE		NORMAL		SIGNATURE	DATE
MAXIMUM		REVERSE		REVIEWED BY (print)	DATE
DIRECT PICK-UP		NORMAL		SIGNATURE	
WORKING		REVERSE			
CHANGE-OVER		Comments:			

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.106 and 234.263

SUBDIVISION VENTURA LOCATION
 RELAY NAME DTTR RELAY TYPE ST
 MANUFACTURER SAFETRAN PIECE NO. 4000510
 SERIAL NO. 300261 COIL RESISTANCE 2 OHM
 C.P. BERNSON

RECORDING MARK:

- C = Test complete. Equipment in satisfactory condition
- A = Adjustment made & test complete.
- R = Repairs or replacement needed.
- S = Repairs or replacement made.
- Equipment in satisfactory condition.
- Explain on back of form.

RATED			
MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER
NORMAL .0620a.	NORMAL .1738a.	NORMAL	NORMAL
REVERSE	REVERSE	REVERSE	REVERSE

YEAR	2008	INITIAL CHARGE	12 V.	RESULT OF TEST:	C
NEUTRAL CONTACTS		POLAR CONTACTS		NAME (print) S.T. MORRIS	
MINIMUM	0.0872	NORMAL	REVERSE	SIGNATURE	DATE 2/24/2008
RELEASE		CHANGE-OVER		REVIEWED BY (print) J. McIntyre	DATE 3-4-08
MAXIMUM	0.1499	Comments:		SIGNATURE	
DIRECT PICK-UP					
WORKING					

YEAR		INITIAL CHARGE		RESULT OF TEST:	
NEUTRAL CONTACTS		POLAR CONTACTS		NAME (print)	
MINIMUM		NORMAL	REVERSE	SIGNATURE	DATE
RELEASE		CHANGE-OVER		REVIEWED BY (print)	DATE
MAXIMUM		Comments:		SIGNATURE	
DIRECT PICK-UP					
WORKING					

YEAR		INITIAL CHARGE		RESULT OF TEST:	
NEUTRAL CONTACTS		POLAR CONTACTS		NAME (print)	
MINIMUM		NORMAL	REVERSE	SIGNATURE	DATE
RELEASE		CHANGE-OVER		REVIEWED BY (print)	DATE
MAXIMUM		Comments:		SIGNATURE	
DIRECT PICK-UP					
WORKING					

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.106 and 234.263

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- R = Repairs or replacement needed.
- S = Repairs or replacement made.
- Equipment in satisfactory condition.
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SUBDIVISION VENTURA LOCATION C.P. BERNSON
 RELAY NAME DTR RELAY TYPE ST
 MANUFACTURER SAFETRAN PIECE NO. 4000510
 SERIAL NO. 300271 COIL RESISTANCE 2 OHM

YEAR	2008	INITIAL CHARGE		12 V.		RATED				RESULT OF TEST:			
		NEUTRAL CONTACTS	4X4	MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER						
		NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE				
				0.0952									
		MAXIMUM											
		DIRECT PICK-UP		0.1494									
		WORKING											
POLAR CONTACTS													
		NORMAL	REVERSE	NORMAL	REVERSE								
		CHANGE-OVER											
		Comments:											
		NAME (print)			S.T. MORRIS			DATE			2/24/2008		
		SIGNATURE			<i>[Signature]</i>			REVIEWED BY (print)			J. McIntyre		
		SIGNATURE			<i>[Signature]</i>			DATE			3-11-07		

YEAR	2008	INITIAL CHARGE		12 V.		RATED				RESULT OF TEST:			
		NEUTRAL CONTACTS	4X4	MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER						
		NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE				
		MAXIMUM											
		DIRECT PICK-UP											
		WORKING											
POLAR CONTACTS													
		NORMAL	REVERSE	NORMAL	REVERSE								
		CHANGE-OVER											
		Comments:											
		NAME (print)						DATE					
		SIGNATURE						REVIEWED BY (print)					
		SIGNATURE						DATE					

YEAR	2008	INITIAL CHARGE		12 V.		RATED				RESULT OF TEST:			
		NEUTRAL CONTACTS	4X4	MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER						
		NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE				
		MAXIMUM											
		DIRECT PICK-UP											
		WORKING											
POLAR CONTACTS													
		NORMAL	REVERSE	NORMAL	REVERSE								
		CHANGE-OVER											
		Comments:											
		NAME (print)						DATE					
		SIGNATURE						REVIEWED BY (print)					
		SIGNATURE						DATE					

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.105
 D.C. POLAR RELAY Rule 236.106 and 234.283
 D.C. NON-POLAR RELAY Rule 236.105 and 234.283

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 Equipment in satisfactory condition.
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SUBDIVISION VENTURA LOCATION
 RELAY NAME 4461NWTPR RELAY TYPE B
 MANUFACTURER GRS PIECE NO. A62-125
 SERIAL NO. 29477M070 COIL RESISTANCE 500 OHM
 C.P. BERNSON

YEAR	2008	INITIAL CHARGE	RATED						RESULT OF TEST:		
			MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING			MAX. CHANGE OVER	
		12V	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	
		6X6	0.0039	0.0127							
		NEUTRAL CONTACTS	POLAR CONTACTS								
		MINIMUM RELEASE	0.0064								
		MAXIMUM DIRECT PICK-UP	0.0118								
		WORKING									
		CHANGE-OVER									
		Comments:									
		NAME (print)	S. T. MORRIS								
		SIGNATURE	<i>[Signature]</i>								
		REVIEWED BY (print)	J. Mc Intyre								
		SIGNATURE	<i>[Signature]</i>								
		DATE	2/24/2008								

YEAR	INITIAL CHARGE	RATED						RESULT OF TEST:			
		MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING			MAX. CHANGE OVER		
		12V	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	
		6X6	0.0039	0.0127							
		NEUTRAL CONTACTS	POLAR CONTACTS								
		MINIMUM RELEASE	0.0064								
		MAXIMUM DIRECT PICK-UP	0.0118								
		WORKING									
		CHANGE-OVER									
		Comments:									
		NAME (print)	S. T. MORRIS								
		SIGNATURE	<i>[Signature]</i>								
		REVIEWED BY (print)	J. Mc Intyre								
		SIGNATURE	<i>[Signature]</i>								
		DATE	2/24/2008								

YEAR	INITIAL CHARGE	RATED						RESULT OF TEST:			
		MINIMUM RELEASE		MAX. DIRECT PICK-UP		WORKING			MAX. CHANGE OVER		
		12V	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	NORMAL	REVERSE	
		6X6	0.0039	0.0127							
		NEUTRAL CONTACTS	POLAR CONTACTS								
		MINIMUM RELEASE	0.0064								
		MAXIMUM DIRECT PICK-UP	0.0118								
		WORKING									
		CHANGE-OVER									
		Comments:									
		NAME (print)	S. T. MORRIS								
		SIGNATURE	<i>[Signature]</i>								
		REVIEWED BY (print)	J. Mc Intyre								
		SIGNATURE	<i>[Signature]</i>								
		DATE	2/24/2008								

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
 PARTS 234 and 236 RELAY INSPECTIONS and TESTS



SEARCHLIGHT SIGNAL Rule 236.102(b)
 ELECTRIC SWITCH LOCK Rule 236.106
 D.C. POLAR RELAY Rule 236.106 and 234.263
 D.C. NON-POLAR RELAY Rule 236.106 and 234.263

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SUBDIVISION VENTURA LOCATION VENTURA
 RELAY NAME 2WLR RELAY TYPE ST
 MANUFACTURER SAFETRAN PIECE NO. 400000
 SERIAL NO. 213258 COIL RESISTANCE 500 OHM
 C.P. BERNSON

RATED			
MINIMUM RELEASE	MAX. DIRECT PICK-UP	WORKING	MAX. CHANGE OVER
NORMAL	REVERSE	NORMAL	REVERSE
2.42V	6.65V		

YEAR	2008	INITIAL CHARGE	12V.	RESULT OF TEST:
		NEUTRAL CONTACTS	6X6	C
		MINIMUM RELEASE	2.82	
		MAXIMUM DIRECT PICK-UP	5.79	
		WORKING		
		POLAR CONTACTS		
		CHANGE-OVER		
		Comments:		
		NAME (print)	S.T. MORRIS	
		SIGNATURE	<i>[Signature]</i>	DATE 2/24/20
		REVIEWED BY (print)	J. McIntyre	
		SIGNATURE	<i>[Signature]</i>	DATE 3-4-20

YEAR		INITIAL CHARGE		RESULT OF TEST:
		NEUTRAL CONTACTS		
		MINIMUM RELEASE		
		MAXIMUM DIRECT PICK-UP		
		WORKING		
		POLAR CONTACTS		
		CHANGE-OVER		
		Comments:		
		NAME (print)		
		SIGNATURE		DATE
		REVIEWED BY (print)		
		SIGNATURE		DATE

YEAR		INITIAL CHARGE		RESULT OF TEST:
		NEUTRAL CONTACTS		
		MINIMUM RELEASE		
		MAXIMUM DIRECT PICK-UP		
		WORKING		
		POLAR CONTACTS		
		CHANGE-OVER		
		Comments:		
		NAME (print)		
		SIGNATURE		DATE
		REVIEWED BY (print)		
		SIGNATURE		DATE

TEN YEAR INSULATION RESISTANCE TEST FOR WIRES IN TRUNKING AND CABLES
 RULES 234.267 and 236.108



RECORDING MARK:

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- * A= Adjustment made & test complete. Equipment in satisfactory condition.
- * R= Repairs or replacement needed.
- * S= Repairs or replacement made. Equipment in satisfactory condition.
- * * Explain on back of form.

LOCATION: C.P. BERNSON
 SUBDIVISION: VENTURA

TESTED BY:
 NAME (Print): S.T. MORRIS
 SIGNATURE: *[Signature]*

MONTH: JULY
 YEAR: 2008

DATE OF TEST	CABLE	WIRE I.D.	TEST RESULTS	RESISTANCE	CIRCUITS NOT MEETING SPECIFICATIONS	REMARKS	CONDITION
7/27/2008	19C #14	SP	C	INF			
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		SP					
		4471HP					
		N4471HP					
		4471NWTPP					
		N4471NWTPP					

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
Communications and Signals Department

TEN YEAR INSULATION RESISTANCE TEST FOR WIRES IN TRUNKING AND CABLES
RULES 234.267 and 236.108



RECORDING MARK:

- C = Test complete. Equipment in satisfactory condition.
- A = Adjustment made & test complete. Equipment in satisfactory condition.
- R = Repairs or replacement needed.
- S = Repairs or replacement made. Equipment in satisfactory condition.
- * = Explain on back of form.

LOCATION: C.P. BERNSON
SUBDIVISION: VENTURA

TESTED BY: S. MORRIS
NAME (Print):
SIGNATURE:

MONTH: JULY
YEAR: 2008

DATE OF TEST	CABLE	WIRE I.D.	TEST RESULTS	RESISTANCE	CIRCUITS NOT MEETING SPECIFICATIONS	CONDITION
7/27/2008	10C #9	SP	C	INF		
		SP				
		SP				
		SP				
		SP				
		NTSGYE		2G		
		TSGE		INF		
		TSYE				
		NTSRE				
		TSRE				

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
Communications and Signals Department

TEN YEAR INSULATION RESISTANCE TEST FOR WIRES IN TRUNKING AND CABLES
RULES 234.267 and 236.108



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- * R = Repairs or replacement needed.
- * S = Repairs or replacement made. Equipment in satisfactory condition.
- * = Explain on back of form.

LOCATION: C.P. BERNSON
SUBDIVISION: VENTURA

TESTED BY:
NAME (Print): S.T. MORRIS
SIGNATURE: *[Signature]*

MONTH: JULY
YEAR: 2008

DATE OF TEST	CABLE	WIRE I.D.	TEST RESULTS	RESISTANCE	CIRCUITS NOT MEETING SPECIFICATIONS	REMARKS	CONDITION
7/27/2008	10C #9	SP	C	INF			
		SP		↓			
		SP		500M			
		SP		↓			
		NTMGYE		↓			
		TMGE		INF			
		TMYE		↓			
		NTMRE		↓			
		TMRE		↓			

SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
 Communications and Signals Department
TEN YEAR INSULATION RESISTANCE TEST FOR WIRES IN TRUNKING AND CABLES
 RULES 234.267 and 236.108



RECORDING MARK:

- C = Test complete. Equipment in satisfactory condition.
- * A = Adjustment made & test complete. Equipment in satisfactory condition.
- * R = Repairs or replacement needed.
- * S = Repairs or replacement made. Equipment in satisfactory condition.

LOCATION: C.P. BERNSON
SUBDIVISION: VENTURA

TESTED BY:
NAME (Print): S.T. MORRIS
SIGNATURE: 

MONTH: JULY
YEAR: 2008

* = Explain on back of form.

DATE OF TEST	CABLE	WIRE I.D.	TEST RESULTS	RESISTANCE	CIRCUITS NOT MEETING SPECIFICATIONS	REMARKS	CONDITION
7/27/2008	7C #14	SP	C	INF			
		NJSP-1		↓			
		NWP-1		↓			
		NNWP		500M			
		NRWP		INF			
		RWP-1		↓			
		WPOUT		↓			
	10C #9	SP		↓			
		SP		↓			
		SP		↓			
		WC-N		↓			
		N		↓			
		WC-C1		↓			
		WC-B		↓			
		WC-10		↓			
		WC-5		↓			
	*	B		↓			

TEN YEAR INSULATION RESISTANCE TEST FOR WIRES IN TRUNKING AND CABLES
RULES 234.267 and 236.108



RECORDING MARK:

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- * A = Adjustment made & test complete. Equipment in satisfactory condition.
- * R = Repairs or replacement needed.
- * S = Repairs or replacement made. Equipment in satisfactory condition.
- * = Explain on back of form.

LOCATION: C.P. BERNSON
SUBDIVISION: VENTURA

TESTED BY: S.T. MORRIS
NAME (Print):
SIGNATURE:

MONTH: JULY
YEAR: 2008

DATE OF TEST	CABLE	WIRE I.D.	TEST RESULTS	RESISTANCE	CIRCUITS NOT MEETING SPECIFICATIONS	REMARKS	CONDITION
7/27/2008	10C #9	SP	C	500M			
		SP		500M			
		SP		1G			
		SP					
		SP					
		NFSGYE					
		FSGE					
		FSYE					
		NFSRE					
		FSRE					

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- A = Adjustment made & test complete. Equipment in satisfactory condition.
- R = Repairs or replacement needed.
- S = Repairs or replacement made. Equipment in satisfactory condition.
- * = Explain on back of form.



LOCATION: C.P. BERNSON
 SUBDIVISION: VENTURA

TESTED BY:
 NAME (Print): S/T. MORRIS
 SIGNATURE: [Signature]

MONTH: JULY
 YEAR: 2008

DATE OF TEST	CABLE	WIRE I.D.	TEST RESULTS	RESISTANCE	CIRCUITS NOT MEETING SPECIFICATIONS	REMARKS	CONDITION
7/27/2008	10C #9	SP	C	INF			
		SP					
		SP					
		SP					
		SP					
		NFMCYE					
		FMGE					
		FMYE					
		NFMRE					
		FMRE					