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18	C0801 - RFI 0976 - Project Wide - Steiny RFI No. 556.00 - BBRI-ISIS RFI No. 02 - Coupler Case Installation (MTA-OUT-08436) RESPONSE: The language in IFC specification 22070DB duplicates that specified by Metro in the original contract. Contractor to swap-out hardware for stainless or cadmium-plated. This can be treated as punch list work and does not need to impact integrated testing.		TC		SBBRI		ideas	k has different . John to direct C on the path rd.
24	OCS guy wire - double lock nuts issue.	Punch List	OCS		SBBRI	11/3/2008		
25	Radio cables in the stations have acoustic spray attached during installation of the spray. Iron Oxide may damage the cables.	Punch List	Communications		SBBRI	11/3/2008		
34	Attached are pictures taken at Atlantic station during a visit this morning by Ricardo Moran and myself, it shows the water lever when the train control room was flooded. There is a need to address the issue of flooding of the train control room, I did raise the issue a while back and did fill out the required forms asking for correction of what then was a possible occurrence. All below ground level train control room should be fitted with an Automatic Sump pump	List	Plumbing	All TC&C rooms at the At Grade Stations must keep water from entering and damaging equipment.	ELRTC	11/25/2008	occur	ncident red at Atlantic n several
	that will pump water into the city drain. The present set up is a risk to equipment and personnel, judging by the level of water if the transformer was live.							
35	John, regarding our discussion yesterday, I've attached a couple of photos. There are two issues:	Punch List	Plumbing	Drainage Issue	ELRTC	11/25/2008		

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	<ol> <li>A large area where the concrete has been jack-hammered out for bonding cables. I'm only concerned if this doesn't get filled back in (as against just putting a plate over it, or doing nothing). We don't want a pools of water in here.</li> <li>The second is difficult to see on the picture, but appears at multiple locations for each turnout. There are voids in the boot/insulation into which water can accumulate. If the work is unfinished regarding both issues, I'll hold off from processing a MOOR.</li> </ol>						
37	At the East Portal - Sump Pump enclosure rated as NEMA 4, but it is not weather proof for falling rain (NEMA 3R).		Electrical	All electrical equipment outdoors must be rated as rain proof per NEC	MURRAY	2/12/2009	NEMA 4 Enclosure is OK, but ELRTC agreed to move the enclosure inside the secure area of the portal. As of 4/08/09 the enclosure was not moved into the secure area.
38	None of the ETS boxes have the power zone signs installed on their covers	Punch List	TP	Required per IFC documents	SBBRI	2/12/2009	
39	The Interposing Relays for the CIC/PLC I/O do not have surge suppressors on their coils.	Punch List	Communications	Common engineering practice to have surge suppressors around DC relay coils.	SBBRI	2/12/2009	
40	The Communication Duct bank pull boxes in the tunnels, located next to CP2 and CP5 require drains to allow water to flow into the sump pump drain.	Punch List	Electrical		ELRTC	12/2/2009	
41	In CP 2, 3 and 5 where the Radio cabinets are located, large heat sinks have been provided on the outside of the cabinets. Issue (1) the	Punch List	Communications		SBBRI	2/12/2009	

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	cables terminating to the cabinets may be too close to the heat sinks and eventually become damaged. Issue (2) Is adequate air flow being provided by the CP EF? These heat sinks were not part of the mechanical air flow calculations and require UMM's review.						
42	In CP 2, 3 and 5 where the Radio cabinets are located, portable ladders must be provided for Metro Maintenance staff.	Punch List	Communications		ELRTC	2/12/2009	
43	All of the Tunnel Radio Cables are still not separated properly.	Punch List		Cables need nine foot separation	SBBRI	2/12/2009	
44	The flow switches for the EVF in the stations have plastic tubing installed to the duct work.	Punch List	Mechanical	The IFC details require copper tubing	UMM	2/12/2009	
45	The 34.5 kv train way feeder has a fiber glass conduit entering a pull box with out any conduit termination connector. Eventually with the vibration in the area the sharp edges of the pull box may cut into the fiber glass conduit and cause an electrical fault.		TP		SBBRI	2/12/2009	
46	Fire pump feeder circuit breakers have a common 120 volt control circuit from the VP. The two breakers need to have separate control circuits.	Punch List	Electrical		SBBRI	2/19/2009	
47	Several Distribution electrical panels have no spare spaces for future circuit breakers. Additional sub panels may be needed.	Punch List	Electrical		SBBRI	2/19/2009	
48	Soto Station EVF-542 wiring in the motor control center installed which makes it difficult to maintain electrical controls. Rerouting of the wiring is required.	Punch List	Electrical		SBBRI	2/19/2009	Also noted on Dan Sussman's work through at Soto Station
49	Potential for air turbulence due to proximity of tunnel wall to jet fans. Vertical wall is located west of tunnel jet fans in	List	Mechanical		ELRTC	3/2/2009	Identified from FLSC walk through on 2/23/09

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50	east portal on both tracks. Will impact airflows. Understand that ELRTC plans to install a deflector shield in both tunnels. FLSC needs to review design, and monitor during testing. No fire door labels on cross-passages 4, 5 and 6 No visible fire door labels on cross-passage doors. Labels are on panic hardware, hinges	Punch List	Architectural	C0800 Contractor	ELRTC	3/2/2009	Identified from FLSC walk through on 2/23/09
	and door frames only. Need to add fire rating labels to doors.						
51	Narrow walkway width in front of x-pssgs 4 and 5 FLS Criteria calls for 30 inch clear walkway allowing for handrails to encroach up to 3 inches, resulting in a 27 inch minimum clear walkway width. Walkway width in front of Cross-passage 4 is about 24 inches clear of handrail on both tunnels. Handrail extends 6 inches from tunnel wall. Walkway at Cross-passage 5 has only 23 inches clear width on walkway after discounting 6 inches for handrail. WB tunnel has 26 inches clear walkway width from handrail. Cross-passage 6 has over 30 inches clear walkway width from handrail and is ok. Potential fix may be to attach handrail directly to tunnel wall instead of metal brace.	List	Architectural		ELRTC	3/2/2009	Identified from FLSC walk through on 2/23/09
52	Bumping hazard at Cross-Passage 5 Bumping hazard exists where the tunnel wall transitions to the cross-passage on the eastbound tunnel, east side of door. Wall hangs out beyond the handrail. Wall should be cut back, or at least yellow striped to warn others. FLSC will check other cross-passage locations for similar conditions and inform Metro staff.	List	Architectural		ELRTC	3/2/2009	Identified from FLSC walk through on 2/23/09

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53	Booster Fan Labels Need to change from "supply" and "exhaust" to "Supply to Lorena" and "Supply to Soto." Applies at all fan control locations applicable to the east portal booster fans, such as fan rooms, MCC, EMP, and ROC. Per Chuck Weissman, this will be done in SCADA after pre-revenue. For local equipment panels, need to change labels as described above.		Electrical	ELRTC	3/2/2009	Identified from FLSC walk through on 2/23/09
54	Add Bots Dots to all Standpipe outlet locations on vertical edge of tunnel walkway. All tunnel standpipe locations should have a reflective bots dot installed at the base of the curved tunnel wall adjacent to the walkway.	List		ELRTC	3/2/2009	Identified from FLSC walk through on 2/23/09
55	Add signage to BLS units before commissioning: BLS units will need to have graphics added showing de-energization zone before they are commissioned. Should be done before the units are tested.	Punch List	TP	SBBRI	3/2/2009	Identified from FLSC walk through on 2/23/09
56	Blue Light Stations require a cover over the exposed wiring terminal strips at the bottom of the panel.	Punch List	TP	SBBRI	3/2/2009	Discussed with Tom Eng of FLSC.
57	Station BLS deluge button label should read "deluge" Station BLS deluge pushbutton nameplate is potentially confusing. It currently states "ETS # (D)". Should simply read "Deluge" There is a potential for first responders to hit both the ETS and the deluge button if uncertain which will kill traction power.	Punch List	TP	SBBRI	3/2/2009	
58	Exposed wiring in all BLS boxes All BLS boxes should have the wiring concealed in the final configuration. Consider adding a second panel to cover the	Punch List	TP	SBBRI	3/2/2009	

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	bottom half.					
59	Bumping Hazard at Cross-Passage #2 A bumping hazard exists at cross-passage #2 on both tunnels at the walkway above the handrail. Need to cut the wall back or at least yellow-stripe it to warn of the hazard. Similar conditions were observed at Cross-Passage #4 this morning between Soto and East Portal	Punch List	Architectural	ELRTC	3/2/2009	
60	"Push to Open" signs at Street hatch for Exit #1 at Soto "Push to Open" signs are installed facing the wrong direction. Should be readable for passengers exiting from stairs. Check all other hatches for similar conditions.	Punch List	Architectural	ELRTC	3/2/2009	
61	CH4-MP-1 gas sensor West End Platform Track 2 at Mariachi Plaza is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.		Communications	SBBRI	3/9/2009	
62	CH4-MP-2 gas sensor West End Platform Track 1 at Mariachi Plaza is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.		Communications	SBBRI	3/9/2009	
63	CH4-MP-16 gas sensor East End Platform Track 2 at Mariachi Plaza is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.		Communications	SBBRI	3/9/2009	
64	CH4-MP-17 gas sensor East End Platform Track 1 at Mariachi Plaza is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.		Communications	SBBRI	3/9/2009	

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65	CH4-ST-4 gas sensor West End Platform Track 2 at Soto is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.		Communications	SBBRI	3/9/2009
66	CH4-ST-5 gas sensor West End Platform Track 1 at Soto is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.		Communications	SBBRI	3/9/2009
	CH4-ST-10 gas sensor East End Platform Track 2 at Soto is not installed per the EOR drawings. It needs to be moved down as shown on the drawings	List	Communications	SBBRI	3/9/2009
68	CH4-ST-11 gas sensor East End Platform Track 1 at Soto is not installed per the EOR drawings. It needs to be moved down as shown on the drawings.	Punch List	Communications	SBBRI	3/9/2009
69	CH4-MP-9 gas sensor in Stair 5, M107 at Mariachi needs to be moved so that it is accessible. It is behind a duct.	Punch List	Communications	SBBRI	3/9/2009
70	CH4-MP-20 gas sensor in Emergency Fan Rm Hallway M103 needs to be moved so that it is accessible. It is behind a duct.	Punch List	Communications	SBBRI	3/9/2009
71	CH4-MP-36 gas sensor in Trash Room M137 needs to be moved so that it is accessible. It is behind a duct.		Communications	SBBRI	3/9/2009
72	) CH4-MP-37 gas sensor in Service Corridor M140 needs to be moved so that it is accessible. It is behind a duct.	Punch List	Communications	SBBRI	3/9/2009
73	CH4-MP-34 gas sensor in Emergency Fan Room M128 either needs to be moved, or a permanent ladder needs to be installed over the emergency fan and up to the sensor.	List	Communications	SBBRI	3/9/2009
74	CH4-MP-39 gas sensor in Aux Power Room M144 needs to be moved so that it is accessible. It is located above the cable tray.	Punch List	Communications	SBBRI	3/9/2009

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75	CH4-MP-26 gas sensor in Mechanical Room M116 needs to be moved, as there is no room for access.	Punch List	Communications	SBE	3/9/.	2009
76	CH4-MP-11 gas sensor in Custodial Room T109 needs to be moved so that it is accessible. It is behind a duct.	Punch List	Communications	SBE	3/9/	2009
77	CH4-ST-36 gas sensor in Stair #4 is installed in the wrong location. Stair 4 is an emergency stairway leading to a hatch. The EOR required all similar gas sensors to be located at the last landing before the hatch. This one is located two flights down from that, on the first landing.	Punch List	Communications	SBE	3RI 3/9/.	2009
78	CH4-ST-35 gas sensor in Exit Corridor M112 needs to be moved so that it is accessible. It is behind a duct.		Communications	SBE	3/9/	2009
79	CH4-ST-14 gas sensor in Air Plenum M103 needs to be moved so that it is accessible. It is behind a duct.		Communications	SBE	3/9/	2009
80	CH4-ST-33 gas sensor in Air Plenum M107 is located in an area with no access. Either permanent ladders will have to be installed or the detector can be deleted. It shares the same air space as CH4-ST-14, and is very close to where the plenum ceiling opens to the outside air.	Punch List	Communications	SBE	3RI 3/9/	2009
81	Damaged cable at MSE wall switch machine	Punch List	TP	SBE	3/9/	2009
82	ASPHALT COVERING SHUNT FOULING WIRES AND TRACK WIRES Previously we spoke about uncovering the cadweld connections at the x-over jumpers and installing a box over them to keep the water out to keep the connections from corrosion, attached is a picture taken on 3/11/09 and the	Punch List	TC	SBE	3716/	2009

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	cadweld connections are still covered with asphalt, do we have something planned to address this issue. I also stated in the past that we could live with the asphalt covering track circuit connections, well I was wrong, in the FRA Technical Manual for Signal and Train Control Rules page 2.67 sec. 234.271 Insulated rail joints, bond wires, and track connections are required to be inspected at least once every 3 months. When we perform quarterly crossing inspections we are required to inspect track wires that are in the approach track circuits for crossing warning activation.						
83	Union Station -Track wires should be bonded to rail (North end only, South end is complete as of 7/14/2009)		TC	SBBRI	3/18/2009		
84	Union Station -Battery posts need grease	Punch List	TC	SBBRI	3/18/2009	7/14/2009	
85	Union Station - Switch junction box must be vented	Punch List	TC	SBBRI	3/18/2009	7/14/2009	
86	Union Station - All switch gear compartments need gear grease	Punch List	TC	SBBRI	3/18/2009	6/9/2009	
87	Union Station - Bottom of all signals, conduits must be sealed	Punch List	TC	SBBRI	3/18/2009	7/14/2009	
88	Union Station - Ground wire at signals must be welded on (Need only 6S & 8S to be welded as of 7/14/2009)		тс	SBBRI	3/18/2009		

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89	Union Station - Unable to properly aim flashers (G1)	Punch List	TC	SBBRI	3/18/2009	7/8/2009
90	Union Station - Gate mech (G1) needs raised (gate arm: 3.6' to 4.6')	Punch List	тс	SBBRI	3/18/2009	7/14/2009
91	Union Station - Signal crossing equipment needs washer and lock washers	Punch List	тс	SBBRI	3/18/2009	
92	Union Station - Signal wires are spliced in junction boxes	Punch List	тс	SBBRI	3/18/2009	
93	Union Station - Cables to crossing apparatus (Gate, Flashers) are spliced in J.B.s	Punch List	тс	SBBRI	3/18/2009	
94	Little Tokyo Station - Damaged vane relay should be changed	Punch List	тс	SBBRI	3/18/2009	7/14/2009
95	Indiana Station - Unable to properly aim flashers Ped-Xing (Flasher F1)	Punch List	тс	SBBRI	3/18/2009	7/8/2009
96	Indiana Station - Unable to properly aim flashers Ped-Xing (Flasher F3)	Punch List	тс	SBBRI	3/18/2009	7/8/2009
97	Indiana Station - Unable to properly aim flashers Ped-Xing (Flasher F5)	Punch List	ТС	SBBRI	3/18/2009	7/8/2009
98	Ditman - Aftac track wires bond to rail must be accessible	Punch List	TC	SBBRI	3/18/2009	

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Downey - Aftac track wires bond to rail must be accessible	Punch List	TC	SBBRI	3/18/2009	
 Downey - Up date print for fiber optic converter changes	Punch List	тс	SBBRI	3/18/2009	
Downey - Bottom of all signals, conduits must be sealed	Punch List	тс	SBBRI	3/16/2009	3/18/2009
	Punch List	тс	SBBRI	3/18/2009	
Downey - All coupler boxes need outer ID Stenciled	Punch List	тс	SBBRI	3/18/2009	6/17/2009
 Downey - Coupler box CC310 door has been damaged	Punch List	тс	SBBRI	3/16/2009	3/18/2009
 Downey - Coupler box CC314-1 needs conduit sealed	Punch List	тс	SBBRI	3/16/2009	3/18/2009
 Downey - Coupler box CC314-2 needs conduit sealed	Punch List	тс	SBBRI	3/16/2009	3/18/2009
Downey - Signal 4S ground is $325\Omega$ tested at the signal	Punch List	ТС	SBBRI	3/18/2009	
 Downey - Signal 4N ground is $173\Omega$ tested at the signal	Punch List	ТС	SBBRI	3/18/2009	

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	Downey - Signal 2S ground is $290\Omega$ tested at the signal	Punch List	TC	SBBRI	3/18/2009	
	Downey - Signal 2N ground is $162\Omega$ tested at the signal	Punch List	тс	SBBRI	3/18/2009	
	Maravilla - Aftac track wires bond to rail must be accessible	Punch List	тс	SBBRI	3/18/2009	
112	Civic Center Station - Aftac track wires bond to rail must be accessible	Punch List	тс	SBBRI	3/18/2009	
	Atlantic Station - Aftac track wires bond to rail must be accessible	Punch List	тс	SBBRI	3/18/2009	
	Atlantic Station - Switch plates have missing and/or loose bolts @ all switch's (1A & 3B only as of 7/8/2009)	Punch List	тс	SBBRI	3/18/2009	
	Atlantic Station - Coupler unit boxes need conduits to be sealed (duct seal)	Punch List	тс	SBBRI	3/18/2009 7/9	/2009
116	Atlantic Station - All electronic equipment needs cleaning inside & out (very dusty)	Punch List	тс	SBBRI	3/18/2009	
117	Atlantic Station - Impedance bonds need to have cover plates sealed	Punch List	тс	SBBRI	3/18/2009 5/17/	/2009
118	Atlantic Station - All switches, Lock washers improperly installed on throw rods	Punch List	тс	SBBRI	3/18/2009 5/31	/2009

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119	Atlantic Station - All switches, no cotter pins installed on throw rods	Punch List	ТС		SBBRI	3/18/2009	5/31/2009	
120	Atlantic Station - Switch 3A conduit riser broken & not sealed	Punch List	тс		SBBRI	3/18/2009	6/9/2009	
121	Atlantic Station - Switch 1B conduit riser not sealed	Punch List	тс		SBBRI	3/18/2009	6/9/2009	
122	Atlantic Station Access Door's support tubes are corroded and need to be replaced.	Punch List	Architectural		ELRTC	3/27/2009		Provided by Jesus Bautista - Metro
123	Drain Covers are broken at most of the At Grade Stations	Punch List	Plumbing		MURRAY	3/27/2009		Provided by Jesus Bautista - Metro
124	Access Panels missing at Mariachi for M116 Mechanical Room MD-101 MD-102 MD-103 MD-104 MD-202 MD-203 MD-204 MD-205	Punch List	Mechanical	They are required per 15011DB 3.11.A.1 Access Panels, Required locations "Wherever valves, damper operators, fire dampers, fire/smoke dampers, smoke detectors, thermostats and similar items requiring servicing and adjustment are concealed and as required by MTA's Fire/Life Safety Committee".		4/1/2009		
125	Access Panels missing at Mariachi for M145 Mechanical Room MD-105 MD-106 MD-107 MD-201 MD-206 MD-207	Punch List	Mechanical	They are required per 15011DB 3.11.A.1 Access Panels, Required locations "Wherever valves, damper operators, fire dampers, fire/smoke dampers, smoke detectors, thermostats and similar	UMM	4/1/2009		

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	MD-210			items requiring servicing and adjustment are concealed and as required by MTA's Fire/Life Safety Committee".			
126	Most down guy anchors located west of West Portal are buried underground. It could be corroded due to underground moisture and also it needs to be inspected for OCS structure integrity. I like to request containment around the down guy anchors so that we can inspect and maintain properly.	Punch List	OCS		SBBRI	4/1/2009	
127	Union Station: Print should show location where main power feed comes from	Punch List	ТС		SBBRI	4/1/2009	
128	Little Tokyo Station: Print should show location where main power feed comes from	Punch List	тс		SBBRI	4/1/2009	
129	CLARENCE X OVER: Print should show location where main power feed comes from	Punch List	тс		SBBRI	4/1/2009	
130	Mariachi Station: Print should show location where main power feed comes from	Punch List	тс		SBBRI	4/1/2009	
131	Soto Station: Print should show location where main power feed comes from	Punch List	тс		SBBRI	4/1/2009	
132	Cross Passage 4: Print should show location where main power feed comes from	Punch List	TC		SBBRI	4/1/2009	
133	Indiana Station: Print should show location where main power feed comes from	Punch List	тс		SBBRI	4/1/2009	

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134	Indiana Station: All coupler boxes need outer ID Stenciled	Punch List	TC	SBBRI	4/1/2009	6/17/2009
135		Punch List	TC	SBBRI	3/25/2009	4/1/2009
136	Indiana Station: Coupler box CC296 terminals need double nuts	Punch List	TC	SBBRI	3/25/2009	4/1/2009
137	Ditman: #3 switch rod disconnected on switch 1A	Punch List	ТС	SBBRI	4/1/2009	5/13/2009
138	Ditman: #3 switch rod disconnected on switch 1B	Punch List	TC	SBBRI	4/1/2009	5/13/2009
139	Ditman: #3 switch rod disconnected on switch 3A	Punch List	TC	SBBRI	4/1/2009	5/13/2009
140	Ditman: #3 switch rod disconnected on switch 3B	Punch List	ТС	SBBRI	4/1/2009	5/13/2009
141	,	Punch List	ТС	SBBRI	4/1/2009	
142	Ditman: Track wires go to impedance bond (should be bonded to rail)	Punch List	тс	SBBRI	4/1/2009	7/16/2009
143	Ditman: Impedance bonds need to have access doors sealed	Punch List	тс	SBBRI	4/1/2009	5/17/2009

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144	Ditman: All switches, Lock washers improperly installed on throw rods	Punch List	TC	SBBRI	4/1/2009	5/31/2009
145	Ditman: All switches, no cotter pins installed on throw rods	Punch List	тс	SBBRI	4/1/2009	5/13/2009
146	Ditman: All signal heads need locks (2S, 2N, 4S, 4N)	Punch List	тс	SBBRI	4/1/2009	7/15/2009
147	Ditman: Unable to read nomenclature on switch relays (need labels on relay)	Punch List	тс	SBBRI	4/1/2009	7/16/2009
148	Ditman: Battery posts need grease (already has corrosion build up)	Punch List	тс	SBBRI	4/1/2009	6/16/2009
149	Ditman: CC306 coupler box needs outer ID Stenciled	Punch List	тс	SBBRI	4/1/2009	6/16/2009
150	Ditman: CC306 coupler box needs conduit sealed	Punch List	тс	SBBRI	4/1/2009	5/17/2009
151	Ditman: CC306 coupler box has missing wire tags	Punch List	тс	SBBRI	4/1/2009	6/16/2009
152		Punch List	ТС	SBBRI	4/1/2009	
153	Ditman: Equipment case needs conduits sealed	Punch List	тс	SBBRI	4/1/2009	6/16/2009

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154	Ditman: Equipment case Missing double nuts	Punch List	ТС	SBBRI	4/1/2009	6/16/2009
155	Ditman: Bottom of all signals, conduits must be sealed	Punch List	тс	SBBRI	4/1/2009	6/16/2009
156	Ditman: Pull Box at Signal 2S & 4S Cover is damaged (needs replaced)	Punch List	ТС	SBBRI	4/1/2009	
157	Maravilla: Print should show location where main power feed comes from	Punch List	ТС	SBBRI	4/1/2009	
158	Civic Center Station: Print should show location where main power feed comes from	Punch List	TC	SBBRI	4/1/2009	
159	Atlantic Station: Print should show location where main power feed comes from	Punch List	TC	SBBRI	4/1/2009	
160	Downey: Print should show location where main power feed comes from	Punch List	тс	SBBRI	4/1/2009	
161	The fall protection information was put into the station drawings. For communication, it is in the notes at the beginning of the electrical drawings in the IFC package. For Soto, it is on E-4 and reads: 35. Wherever practical, all serviceable electrical & communication equipments shall be installed by design build contractor so that they are accessible with an eight foot ladder. If this is not feasible, then a fall protection anchor must be installed next to each serviceable piece of equipment and there must be adequate room for access. Smoke and heat detectors shall not be installed above	Punch List	Communications	ELRTC	4/4/2009	

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ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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	electrical and communication equipments.						
162	Missing Soto access panels for mechanical dampers:M108 W Mech Rm MD-101 MD-102 MD-201 MD-202	Punch List	Mechanical	They are required per 15011DB 3.11.A.1 Access Panels, Required locations "Wherever valves, damper operators, fire dampers, fire/smoke dampers, smoke detectors, thermostats and similar items requiring servicing and adjustment are concealed and as required by MTA's Fire/Life Safety Committee".	UMM	4/4/2009	
164	Missing Soto access panels for mechanical dampers: M127 Fan Room MD-103 MD-104 MD-107 MD-203 MD-204 MD-207	Punch List	Mechanical	They are required per 15011DB 3.11.A.1 Access Panels, Required locations "Wherever valves, damper operators, fire dampers, fire/smoke dampers, smoke detectors, thermostats and similar items requiring servicing and adjustment are concealed and as required by MTA's Fire/Life Safety Committee".	UMM	4/4/2009	
165	Tunnel radiax still attached to catenaries struts at some locations	Punch List	Communications		SBBRI	4/8/2009	
166	Platform/mezz. free space antenna heliax still only secured via tie-wraps or nothing	Punch List	Communications		SBBRI	4/8/2009	

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ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
	of Item	List	-	Documentation	Assigned	Opened	Closed	
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167	Mariachi rm. T110 tunnel cables still not secured to wall free hanging).	Punch List	Communications	SBBRI	4/8/2009	
168	XP2 water leakage problems	Punch List	Communications	SBBRI	4/8/2009	
170	Soto emergency exit left of station entrance uplink radiax needs another support click.	Punch List	Communications	SBBRI	4/8/2009	
171	Soto restroom near TCC room 1/2" radiax looks kinked. Tile guys pretzeled the cable.	Punch List	Communications	SBBRI	4/8/2009	
172	XP1 tunnel radiax support missing. Cable sagging.	Punch List	Communications	SBBRI	4/8/2009	
173	Head end and station BDA power dividers need to be placed in a wall mounted cabinet with bulkhead connectors. Dividers are currently being tied down to the cable trays with cabling scattered everywhere.	Punch List	Communications	SBBRI	4/8/2009	
174	Station BDA interconnect coax cabling is absurdly long. This is not acceptable!!!!	Punch List	Communications	SBBRI	4/8/2009	
175	Radiax touches j-box. Looks to be installed after radiax was installed?	Punch List	Communications	SBBRI	4/8/2009	
176	Why are there two sets of lightning suppressors?? There is one set grounded to the radio cabinets per picture 100292 and also the set from the tower antenna heliax TCC feeds which is bus bar grounded.	Punch List	Communications	SBBRI	4/8/2009	

D	Description of Item	Punch List	Discipline	Applicable Documentation	Action Assigned	Date Opened	Date Closed	Remarks
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177	Transfer Trip circuit between SIEMENS & POWELL Traction Power Substations are not functioning properly due to incomparable signal duration. SIEMENS TPSS is looking for 10 to 15 milliseconds pulse signal for breakers re-closing and line testing. POWELL TPSS pulse signal is about 1 sec. So that reason current transfer trip circuit lockout the SIEMENS breakers and de-energizing the OCS.	Punch List	TP	SB	BRI	4/8/2009		
178	The emergency fans wire connection inside the junction boxes are not acceptable. Please see attached image 0030. In a long term, the heat shrink or insulated tape will worn-out and could short to the junction box cover. These wires should be landed on the appropriated rated terminal block and tied down with lock washer nuts.	List	Electrical	SB	BRI	4/8/2009		
179	Ground wire on attached image 0013 is not acceptable. The ground wire should be terminated with bolt to the ground bus.	Punch List	Electrical	SB	BRI	4/8/2009		
180	Missing exhaust fans on UPS batteries cabinet. See attached image 0018.	Punch List	Mechanical	EL	RTC	4/8/2009		
181	The floor is wet next to Cathodic Protection Rectifier. Please see attached image 0050. Implement appropriate drainage system.	Punch List	TP	SB	BRI	4/8/2009		
182	CLARENCE X OVER Signal 4N is broken at bottom head (Needs replaced)	Punch List	ТС	SB	BBRI	4/8/2009	4/28/2009	
183	CLARENCE X OVER Signal 2N ground strap needs to be welded to signal base	Punch List	TC	SB	BRI	4/8/2009	7/16/2009	

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ſ	ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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184	CLARENCE X OVER Coupler box CC178-1 missing wire tags	Punch List	TC	SBBRI	4/8/2009	7/8/2009
185	CLARENCE X OVER Coupler box CC178-2 missing wire tags	Punch List	ТС	SBBRI	4/8/2009	7/16/2009
186	EVF Attenuators poor alignment. At a minimum, we should have them put some kind of structural patch over the spot where the vanes are crushed together to maybe keep it from compressing any further?		Mechanical	UMM	4/8/2009	
187	Mariachi Station: Track wires from CC196-1 needs to be secured better (more rail clips)	Punch List	TC	SBBRI	4/8/2009	7/16/2009
188	Mariachi Station: Track wires from CC196-1 should be in conduit and on outside of rail	Punch List	TC	SBBRI	4/8/2009	7/15/2009
189	Mariachi Station: Track wires from CC196-1 should be in conduit and on outside of rail	Punch List	ТС	SBBRI	4/8/2009	7/16/2009
190	Mariachi Station: Track wires from CC196-1 should be bonded on outside of rail	Punch List	ТС	SBBRI	4/8/2009	7/15/2009
191	Mariachi Station: Track wires from CC196-2 needs to be secured better (more rail clips)	Punch List	ТС	SBBRI	4/8/2009	7/16/2009
192	Mariachi Station: Track wires from CC196-2 should be in conduit and on outside of rail	Punch List	тс	SBBRI	4/8/2009	7/15/2009
193	Mariachi Station: Track wires from CC196-2 should be bonded on outside of rail	Punch List	TC	SBBRI	4/8/2009	7/15/2009

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ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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194	Mariachi Station: Track wires go to impedance bond (should be bonded to rail)	Punch List	TC	SBBRI	4/8/2009	7/15/2009
	Mariachi Station: Coupler box CC196-1 needs conduit sealed	Punch List	ТС	SBBRI	4/8/2009	7/16/2009
197	Mariachi Station: Coupler box CC196-2 needs conduit sealed	Punch List	тс	SBBRI	4/8/2009	7/16/2009
198	Mariachi Station: Coupler box CC191-1 needs conduit sealed	Punch List	ТС	SBBRI	4/8/2009	7/15/2009
199	Mariachi Station: Coupler box CC191-1 missing wire tags	Punch List	тс	SBBRI	4/8/2009	7/15/2009
200	Mariachi Station: Coupler box CC191-2 needs conduit sealed	Punch List	тс	SBBRI	4/8/2009	7/15/2009
201	Mariachi Station: Coupler box CC191-2 missing wire tags	Punch List	тс	SBBRI	4/8/2009	7/15/2009
202	Mariachi Station: Coupler box CC188-1 needs conduit sealed	Punch List	ТС	SBBRI	4/8/2009	7/15/2009
203	Mariachi Station: Coupler box CC188-1 needs to be re-tagged (improper tags)	Punch List	ТС	SBBRI	4/8/2009	7/15/2009
204	Mariachi Station: Coupler box CC188-1 needs conduit sealed	Punch List	ТС	SBBRI	4/8/2009	7/15/2009

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IC		Punch	Discipline	Applicable	Action	Date	Date	Remarks
	of Item	List		Documentation	Assigned	Opened	Closed	
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205	Mariachi Station: Coupler box CC188-2 needs to be re-tagged (improper tags)	Punch List	TC	SBBRI	4/8/2009	7/15/2009
206	Mariachi Station: Coupler box CC188-2 needs conduit sealed	Punch List	TC	SBBRI	4/8/2009	7/15/2009
207	Mariachi Station: Terminals in equipment in room missing double nuts	Punch List	TC	SBBRI	4/8/2009	7/15/2009
208	Mariachi Station: Battery posts need grease	Punch List	TC	SBBRI	4/8/2009	7/15/2009
209	Mariachi Station: Battery bank is sitting directly on the concrete	Punch List	TC	SBBRI	4/8/2009	7/15/2009
210	Mariachi Station: All electronic equipment needs cleaning inside & out (very dusty)	Punch List	TC	SBBRI	4/8/2009	
211	Mariachi Station: Track wires on TC5-B have wrong nomenclature (tags marked incorrectly)	Punch List	TC	SBBRI	4/8/2009	7/15/2009
212	Mariachi Station: Print shows coupler cases are pole mounted (they are actually wall mounted)		TP	SBBRI	4/8/2009	
213	I (Shane Allen) just finisher a site inspection of the at grade stations, where I found the conduit installed for the smoke detectors. The conduit is set up to support 6 detectors. (3 smokes and 3 heats). When we removed the sprinklers we also removed the requirement for heat detection. Because of the spacing of the installed conduit is incorrect to support the required 2 smokes detectors, that was approved; I believe we should install 3 smoke	List	Communications	SBBRI	4/14/2009	

ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
	of Item	List	-	Documentation	Assigned	Opened	Closed	
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	detectors.					
214	The train control batteries are sitting on the ground, unsupported, unrestrained, uncontained. We agreed not to place them into a cabinet; however we never agreed to allow a loose floor installation. Minimum they should be installed on a shelf and protected against any movement of the earth. (per Shane Allen)	Punch List	TC	SBBRI	4/13/2009	
215	LRV Traffic Signal Loops. They need one-hole straps and not tie wire to hold the tubing down.		TC	SBBRI	4/13/2009	
216	During LFAT of the Motor Control Centers, numerous loose electrical connections were discovered in the control wiring. SBBRI must perform a system wide check of all electrical wiring to verify that all of the terminations are properly tightened.	Punch List	Electrical	SBBRI	4/13/2009	
217	All electrical panels must be properly grounded with a green wire. The LCS for the EVFs are not grounded. This is a safety issue and SBBRI QC must inspect every electrical enclosure and ensure that they are properly grounded.		Electrical	SBBRI	4/13/2009	
218	Several EVFs and Booster Fans have the wrong tag names mounted to their housings. These need to be changed out.	Punch List	Mechanical	UMM	4/13/2009	
	Union Station: TWC wires are spliced in the field	Punch List	TC	SBBRI	4/27/2009	7/14/2009
220	Union Station: North/West flasher at garde crossing has hole in mast that needs sealed	Punch List	ТС	SBBRI	4/27/2009	7/8/2009

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221	Union Station: Track wires are bonded on inside of rail (Should be on outside)	Punch List	TC	SBBRI	4/27/2009	7/14/2009
222	Union Station: Rack MTB (rows A, B, & D) all terminals on ground straps need double nuts	Punch List	TC	SBBRI	4/27/2009	6/9/2009
223	Union Station: #6 AFTAC II needs to be added on the print (wall C layout, Sheet 40)	Punch List	TC	SBBRI	4/27/2009	
224	Union Station: #7 AFTAC II needs to be added on the print (wall C layout, Sheet 40)	Punch List	тс	SBBRI	4/27/2009	
	CLARENCE X OVER: Rack TC5 rows B & C terminals 10 thru 43 (R & L) wires tag incorrectly	Punch List	тс	SBBRI	4/9/2009	4/28/2009
226	CLARENCE X OVER: Rack TC4 missing wire tags	Punch List	TC	SBBRI	4/9/2009	4/19/2009
227	CLARENCE X OVER: Rack TC4 needs double nuts	Punch List	тс	SBBRI	4/9/2009	4/19/2009
228	CLARENCE X OVER: All AFTAC's need double nuts	Punch List	TC	SBBRI	4/9/2009	6/17/2009
229	CLARENCE X OVER: Battery posts need grease	Punch List	тс	SBBRI	4/9/2009	6/17/2009
230	CLARENCE X OVER: All electronic equipment needs cleaning inside & out (very dusty)	Punch List	TC	SBBRI	4/9/2009	

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ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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231	Ditman: Batteries need to be placed in a polyethylene tray(12" X 38") as per print	Punch List	TC	SBBRI	4/21/2009	
232	Downey: Batteries need to be placed in a polyethylene tray(12" X 27") as per print	Punch List	тс	SBBRI	4/21/2009	
233	Atlantic Station: Battery posts need grease	Punch List	тс	SBBRI	4/16/2009	7/16/2009
234	Atlantic Station: Signal wires are spliced in junction boxes	Punch List	ТС	SBBRI	4/18/2009	
235	Atlantic Station: Rack TC5 terminals 5B16 thru 5B21 & 5B40 thru 5B45 wire eyes on backward		тс	SBBRI	4/18/2009	6/9/2009
236	Atlantic Station: Track wires go to impedance bond (should be bonded to rail)	Punch List	тс	SBBRI	4/18/2009	7/20/2009
237	Atlantic Station: Rack TC5 rows A & B all terminals on ground straps need double nuts	Punch List	тс	SBBRI	4/18/2009	6/9/2009
238	Atlantic Station: Rack TC6 rows B & C all terminals on ground straps need double nuts	Punch List	тс	SBBRI	4/18/2009	6/9/2009
239	Atlantic Station: All signal heads need locks (2S, 2N, 4S, 4N, BS1, BS2)	Punch List	ТС	SBBRI	4/18/2009	7/15/2009
240	Atlantic Station: All coupler boxes need outer ID Stenciled	Punch List	тс	SBBRI	4/16/2009	6/17/2009

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10	Description of Item	Punch List	Discipline	Applicable Documentation	Action Assigned	Date Opened	Date Closed	Remarks
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	cable (Uplink Track 1) has either been pulled out of its anchor by something or there is maybe an upward force being generated at the point on the unistrut which forced the drop-anchor for the clic out or the anchor was not set properly. It should is next to the unistrut radio anchoring points. All spots will need to be inspected with a high railer and a tug and pull on the anchor on the cable on both sides of the unistrut to ensure this is safe and it doesn't cause a problem and get caught in the catenary.	List	Communications	SBBRI	4/27/2009	
242	A09-Generator Breaker Settings: Currently, the 34.5 kV protection system while running off the generator is unanalyzed and unapproved. Any use of the generator to feed into the trainway feeder is ELRTCs sole and exclusive risk. Calibration: First, ELRTC needs to work out a protection scheme (adding more protection relays, if necessary). THIS GENERATOR IS NOT TO BE CONSIDERED ACCEPTED UNLESS AND UNTIL ELRTC PROVIDE ANALYSIS TO DEMONSTRATE THAT IT IS SAFE TO OPERATE UNDER REMOTE SHORT-CIRCUIT CONDITIONS.		TP	SBBRI	4/27/2009	
243	The red color exit signs for Room 106 at the East Portal must be changed to a green color.	Punch List	Electrical	SBBRI	4/27/2009	
	On Friday 4/24/09 Soto's west cable room was flooded. Water entered into the conduits stubbed up from the floor. ELRTC needs to put a plan of action together to satisfy Metro that there is no standing water in the conduits. Also the EMT conduits at the bottom of the floor have started to rust and needs to be addressed	List	Communications	ELRTC	4/27/2009	

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	properly.					
245	All communication grounding in the Train Control Rooms need to installed per N-352 drawing.	Punch List	Communications	SBBRI	4/24/2009	
246	Little Tokyo Station drain is needed so lower part of spring canister will not be under water and will not cause to hatch insects.	Punch List	Plumbing	MURRAY	4/27/2009	
247	Cross Passage 1 exit signs mounted with all thread stock instead. May be angle plate to make it a little more professional.	Punch List	Electrical	SBBRI	4/27/2009	
248	CP-1 - The expansion joints will be covered and eventually will not match tiles expansion joints. Previous problem occurred on some Red Line Stations.	Punch List	Architectural	ELRTC	4/27/2009	
249	Soto station room is not numbered but air duct is hanging on a single hanger needs seismic bracket to prevent from swinging side to side.	Punch List	Mechanical	UMM	4/27/2009	
250	Soto station emergency exits by tpss handrail will be in the way for maintaining Pneumatic pistons.	Punch List	Architectural	ELRTC	4/27/2009	
251	Soto station emergency exits by tpss handrail - radiac cables are loosely secured.	Punch List	Communications	SBBRI	4/27/2009	
252	CLARENCE X OVER: All switches, Lock washers improperly installed on throw rods	Punch List	тс	SBBRI	4/28/2009	5/31/2009
253	CLARENCE X OVER: All switches, no cotter pins installed on throw rods	Punch List	тс	SBBRI	4/28/2009	5/31/2009

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ID	Description	Dunch	Discipline	Applicable	Action	Data	Data	Domarka
	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
	of Item	List		Documentation	Assigned	Opened	Closed	
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254	CLARENCE X OVER: Signal wires are spliced in junction boxes	Punch List	ТС	SBBRI	4/28/2009		
255	CLARENCE X OVER: Switch plates have missing and/or loose bolts @ all switch's	Punch List	тс	SBBRI	4/28/2009		
256	CLARENCE X OVER: All coupler boxes need outer ID Stenciled	Punch List	тс	SBBRI	4/28/2009	6/17/2009	
257	CLARENCE X OVER: Broken "C" bond at switch 3B	Punch List	тс	SBBRI	4/28/2009	5/31/2009	
258	CLARENCE X OVER: Broken pull box cover south of signals 2N & 4N (belongs to city traffic not BBRI)	Punch List	TC	SBBRI	4/28/2009	7/15/2009	
259	CLARENCE X OVER: Impedance bond at 178+35 needs conduit sealed	Punch List	ТС	SBBRI	4/28/2009	7/16/2009	
260	CLARENCE X OVER: Impedance bonds need to have access doors sealed	Punch List	тс	SBBRI	4/28/2009	5/17/2009	
261	CLARENCE X OVER: Signals 2N & 4N need nomenclature plates (signal identification)	Punch List	тс	SBBRI	4/28/2009	6/17/2009	
262	<ul> <li>Here's an update on the communication cables at the at-grade stations:</li> <li>1) CCTV: cables are gel-filled between TC&amp;C and camera</li> <li>2) VMS: cables are gel-filled between TC&amp;C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, and runs from the structural support to the VMS sign in the open air. This</li> </ul>	Punch List	Communications	SBBRI	5/11/2009		

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portion of the cable either needs to be replace	ł				
with gel-filled cable, or needs to be run in					
seal-tight.					
3) PA speakers: same as VMS. Gel-filled					
cables run from the TC&C to the sign post,					
where they are spliced to the cable that came					
with the speakers. This non-gel-filled cable					
then runs to the speaker, exposed to the open					
air. This portion of the cable either needs to be					
replaced with gel-filled cable, or needs to be rul	ו				
in seal-tight.					
4) In addition, the hand-holes in the sign posts					
and structural supports do not have covers on					
them. They are taped with duct tape. They					
need to have covers added that are					
water-proof.					
5) The structural supports for the VMS signs					
are rusty and unpainted.					
263 My HVAC people have expressed concern over		Mechanical	UMM	5/11/2009	
the installation of AC units such that simple	List				
periodic servicing will be made very difficult					
(e.g. unit removal blocked by cable rack					
installation). I am asking for a review at all					
stations for a complete list of issues, but wanted	k				
to give you a heads-up.			 		
264 Please see attached pictures from Facility		Electrical	SBBRI	5/11/2009	
Maintenance Crew. Per conversation with	List				
Louis Campos, these rusted conduits are due					
to leakage inside the tunnel (near East Portal)	,				
lack of drainage in TC & C rooms and wrong					
type of conduit support material.					
Please address with Eastside LRT for repair.					
I have already discussed this particular issue					
with the Contractor and they are aware that the	9				
problem must be rectified SYSTEMWIDE. We					
will add it to our Open Items (Punch List)					
database.					

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	Also, be reminded that EMT was approved for use during the BAFO process.					
265	ELRTC's own spec 20060DB-2.6.A states "All terminations for wires originating from outside	Punch List	Communications	SBBRI	5/11/2009	
	of the TC&C shall be on a MDF" Unless Chuck & Dan think otherwise, an ECI to delete should be rejected (we have that right) and the correction should remain as a punchlist item.					
266	After reviewing the Stantec design (N-150, N-151, N-152), the SCADA_Points_List_v60, as well as note 9 on GETS drawings SYST-0201, SYST-0202 and note 4 on SYST-0203, it appears to me as if ALL ETELS require SUPERVISION.	Punch List	Communications	SBBRI	5/11/2009	
	I suggest we get together as soon as possible (ASAP).					
	Little Tokyo Station Platform: VMS: cables are gel-filled between TC&C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, yet runs from the structural support to the VMS sign in the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	List		SBBRI	5/13/2009	
268	Little Tokyo Station Platform: PA speakers: Gel-filled cables run from the TC&C to the sign post, where they are spliced to the cable that came with the speakers. This non-gel-filled cable then runs to the speaker, exposed to the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to		Communications	SBBRI	5/19/2009	

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	be run in seal-tight conduit. All connections need to be water-proof.					
269	Little Tokyo Station Platform: the hand-holes in the sign posts and structural supports do not have covers on them. They are taped with duct tape. They need to have covers added that are water-proof.	List	Communications	SBBRI	5/19/2009	
270	Pico Aliso Station Platform: VMS: cables are gel-filled between TC&C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, yet runs from the structural support to the VMS sign in the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	Punch List	Communications	SBBRI	5/19/2009	
271	Pico Aliso Station Platform: PA speakers: Gel-filled cables run from the TC&C to the sign post, where they are spliced to the cable that came with the speakers. This non-gel-filled cable then runs to the speaker, exposed to the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.		Communications	SBBRI	5/19/2009	
272	Pico Aliso Station Platform: the hand-holes in the sign posts and structural supports do not have covers on them. They are taped with duct tape. They need to have covers added that are water-proof.	List	Communications	SBBRI	5/19/2009	
273	Pico Aliso Station Platform: The structural supports for the VMS signs are rusty and unpainted.	Punch List	Architectural	ELRTC	5/19/2009	

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	Indiana Station Platform: VMS: cables are gel-filled between TC&C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, yet runs from the structural support to the VMS sign in the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	List	Communications	SBBRI	5/19/2009
	Indiana Station Platform: PA speakers: Gel-filled cables run from the TC&C to the sign post, where they are spliced to the cable that came with the speakers. This non-gel-filled cable then runs to the speaker, exposed to the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	List	Communications	SBBRI	5/19/2009
276	Indiana Station Platform: the hand-holes in the sign posts and structural supports do not have covers on them. They are taped with duct tape. They need to have covers added that are water-proof.		Communications	SBBRI	5/19/2009
277	Indiana Station Platform: The structural supports for the VMS signs are rusty and unpainted.	Punch List	Architectural	ELRTC	5/19/2009
278	Maravilla Station Platform: VMS: cables are gel-filled between TC&C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, yet runs from the structural support to the VMS sign in the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	List	Communications	SBBRI	5/19/2009

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279	Maravilla Station Platform: PA speakers: Gel-filled cables run from the TC&C to the sign post, where they are spliced to the cable that came with the speakers. This non-gel-filled cable then runs to the speaker, exposed to the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	List	Communications	SBBRI	5/19/2009		
280		List	Communications	SBBRI	5/19/2009		
281	Maravilla Station Platform: The structural supports for the VMS signs are rusty and unpainted.	Punch List	Architectural	ELRTC	5/19/2009		
282	East LA Station Platform: VMS: cables are gel-filled between TC&C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, yet runs from the structural support to the VMS sign in the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	Punch List	Communications	SBBRI	5/19/2009		
283	East LA Station Platform: PA speakers:	List	Communications	SBBRI	5/19/2009		

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284	East LA Station Platform: the hand-holes in the sign posts and structural supports do not have covers on them. They are taped with duct tape. They need to have covers added that are water-proof.		Communications	SBBRI	5/19/2009
	Atlantic Station Platform: VMS: cables are gel-filled between TC&C and the structural supports. Then the cable is spliced to a "whip" that came pre-attached to the VMS sign. This cable is not gel-filled or weather resistant, yet runs from the structural support to the VMS sign in the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.	List	Communications	SBBRI	5/19/2009
286	Atlantic Station Platform: PA speakers: Gel-filled cables run from the TC&C to the sign post, where they are spliced to the cable that came with the speakers. This non-gel-filled cable then runs to the speaker, exposed to the open air. This portion of the cable either needs to be replaced with gel-filled cable, or needs to be run in seal-tight conduit. All connections need to be water-proof.		Communications	SBBRI	5/19/2009
287	Atlantic Station Platform: the hand-holes in the sign posts and structural supports do not have covers on them. They are taped with duct tape. They need to have covers added that are water-proof.		Communications	SBBRI	5/19/2009
288	East Portal room 106 (crosspassage room) - they are apparently building a false ceiling for the room (all the framing is complete) but the gas sensor methane #5 is located above the false ceiling. It needs to be moved down.	Punch List	Communications	SBBRI	5/20/2009

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IC	D Description of Item	Punch List	Discipline	Applicable Documentation	Action Assigned To	Date Opened	Date Closed	Remarks		

289	Mariachi Plaza, Stair 9 emergency exit from the public mezzanine: the Intrustion PIR is on the wrong side of the door (it is on the public side, and needs to be moved to the stair side).		Communications	SBBRI	5/20/2009	
	Mariachi Plaza, Vestibule 109: the Intrusion PIR is on the wrong side of the door (it is on the unsecured side). It needs to be moved to inside the vestibule.	List	Communications	SBBRI	5/20/2009	
	Soto Station, Service Corridor M129 (outside of rooms M127 & M128) door stops are a tripping hazard. They are installed in the floor, a few feet out into the hallway.	List		ELRTC	5/20/2009	
	100' West of XP1 Uplink Radiax Cable Connector is connectorized – it needs an additional clic for support and weatherized sealing. Track 1	Punch List	Communications	SBBRI	5/30/2009	
293	Cut East and West Portal Heliax cable needs removal.	Punch List	Communications	SBBRI	5/30/2009	
294	Added East and West Portal Uplink and Downlink Heliax Cables require phasing (color) coded taping for TX/RX designations.		Communications	SBBRI	5/30/2009	
295	XP 1, 4, & 6 N-barrels that were installed to replace splitters at test points need to be sealed and color coded for TX/RX.		Communications	SBBRI	5/30/2009	
296	All XP Combiner Cabinets need to be grounded.	Punch List	Communications	SBBRI	5/30/2009	
297	Fire-Stop all radio Cable penetrations/cores in cross passages.	Punch List	Communications	SBBRI	5/30/2009	
298	All unused radio cabling should be removed from all areas –this mainly applies to the cables which are above the ceiling areas at Mariachi platform and mezzanine which present a fire		Communications	SBBRI	5/30/2009	

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	hazard.					
	Visual inspection of all TX/RX cabling both tracks especially where they are attached to the unistrut that supports the centenary high voltage system. (Note: Sta. # /Trk).		Communications	SBBRI	5/30/2009	
300	BDA dip switch covers/settings (Metro will	Punch List	Communications	SBBRI	5/30/2009	
	XP1 Uplink tunnel radiax connector joint needs to be sealed and another standoff placed to secure connectors from breaking caused by sagging.	Punch List	Communications	SBBRI	5/30/2009	
302	Mariachi TRK 1 portal area above fan dampers broken radiax standoff near cable interconnection.	Punch List	Communications	SBBRI	5/30/2009	
303		Punch List	Communications	SBBRI	5/30/2009	
	XP 1, 4, & 6 N-barrels that replaced splitters at test points need to be sealed and color coded for TX/RX.	Punch List	Communications	SBBRI	5/30/2009	
305	5	Punch List	Communications	SBBRI	5/30/2009	
	•	Punch List	Communications	SBBRI	5/30/2009	
307		Punch List	Communications	SBBRI	5/30/2009	

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	Tunnel radiax needs to be taken off all OCS supports.	Punch List	Communications	SBBRI	5/30/2009	
	MAINTENANCE channel no downlink operation	Punch List	Communications	SBBRI	5/30/2009	
310	All unused radio cabling should be removed from all areas.	Punch List	Communications	SBBRI	5/30/2009	
311	XP3 UHF-HI combiner(TRK 2??) filter output (SMA-N)cable should be replaced	Punch List	Communications	SBBRI	5/30/2009	
312	Union Station - LCP Panel needs to be completed	Punch List	тс	SBBRI	5/31/2009	
313	Union Station Print needs to be updated to show correct LCP changes	Punch List	TC	SBBRI	5/31/2009	
314	Alameda/Tokyo Station - All conduits into room need to be sealed (train control conduits only)	Punch List	тс		5/17/2009	7/14/2009
315	Downey - Battery Posts need grease	Punch List	тс	SBBRI	3/18/2009	6/17/2009
316	Downey - Coupler box CC340 needs Flexible conduit sealed at ground level	Punch List	тс	SBBRI	3/18/2009	5/31/2009
317	Downey - All signal heads need locks (2S, 2N, 4S, 4N)	Punch List	тс	SBBRI	3/18/2009	7/15/2009

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318	Union Station - Signal 6S needs to be moved; can not see from platform	Punch List	ТС	SBBRI	6/4/2009
319	Union Station - Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009
320	Alameda - Tokyo Station - Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009
321	Clarence X Over/ PICO Station Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009
322	Indiana Station - Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009
323	Maravilla Station - Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009
324	Civic Center Station - Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009
325	Atlantic Station - Add polyethylene tray under batteries	Punch List	TC	SBBRI	6/4/2009 7/16/2009
	Union Station - When signal 4S to Signal 4N is cleared in auto terminal mode signal 8S is also temporarily clearing and activating the Baggage Cart Crossing, drawing Q-019 note 12 states 8S should only initiate in auto inline mode, otherwise it should initiate with TWC	List	TC	SBBRI	6/11/2009
	TPS -02 - A cable was found, after the first failure, which was connecting the rectifier frame to ground. The frame and ground should never	Punch List	TP	SBBRI	6/11/2009

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be connected at all since this basically impairs					
be connected at all, since this basically impairs the extremely important 64G protection. In fact					
the 64G only tripped at the first failure because					
apparently, the short was strong enough to					
disconnect the frame to ground connection that					
was probably already loose. Otherwise the					
consequences could have been much more					
severe. Powell indicated that the wrong					
connection was of course removed at TPS-02					
and that the other TPSs were inspected and are					
OK. The problem now, is that the absence of					
any frame to ground connection is so important.					
that the 64G relay also supervises that					
condition and should alarm if any connection					
occurs. But, the relay at TPS-2 never did. This					
is a serious malfunction of the relay that needs					
to be repaired immediately. In addition, the					
64Gs at all other TPSs must be verified and					
fully retested, with Metro witnessing.					
328 TPS-02 - The snubber circuits installed at	Punch	TP	SBBRI	6/11/2009	
TPS-02 are different than those installed at the					
other TPSs. I was informed that this was due to					
the ready availability of parts in the short time					
available for the re-assembly. I was also					
informed that both snubber circuits are					
appropriate and can be used indifferently.					
However, the circuits throughout the system					
must be uniform and consistent. Powell must					
replace either the one at TPS-02 or the other					
ones at the other TPSs, at their choice. If the					
TPS-02 snubbers are to be used at the other					
TPSs, the Engineer of Record must sign-off on					
the substitution.					
329 TPS-03 - The cathode breaker had internal	Punch	TP	SBBRI	6/11/2009	
over current protection active and unduly	List				
tripped. The internal mechanism was changed					
by Powell's representative. The other TPSs					

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	need to be inspected and corrected, if necessary.					
330	TPS-03 -The line load measuring device being used had a wrongly rated fuse, which needed to be replaced. All TPSs need to be inspected and have the fuses replaced as required.		ТР	SBBRI	6/11/2009	
331	TPS-03 - The DC bus voltmeter was wrongly connected and indicated the Rectifier output voltage instead. Again, this was corrected and all other TPSs need to be inspected and corrected as required.	Punch List	TP	SBBRI	6/11/2009	
332	TPS 03 -There is a DC Rectifier output voltmeter that is not reflected neither on Powell's drawing or the IFC drawings. It is also wrongly named as DC Bus Voltage. The voltmeter is useful and can stay, but both drawings must be revised. I believe that on an as-built basis will do. Of course, consistency on all TPSs must be verified.	Punch List	TP	SBBRI	6/11/2009	
333	Little Tokyo – East / West Payphones: Connect 120V power in TC&C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).	Punch List	Communications	SBBRI	6/11/2009	
334	Pico Aliso – Payphone (1 only): Connect 120V power in TC&C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).	List	Communications	SBBRI	6/11/2009	
335	Indiana – East / West Payphones Connect 120V power in TC&C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).	Punch List	Communications	SBBRI	6/11/2009	
336	Maravilla – Payphones Connect 120V power in TC&C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).	Punch List	Communications	SBBRI	6/11/2009	

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<ul> <li>337 ELACC – Payphones <ul> <li>A. West phone: Connect 120V power in TC&amp;C</li> <li>Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).</li> <li>B. East phone: <ul> <li>Connect ground wire to pedestal.</li> <li>Install missing electrical back box in pedestal, and complete electrical hook up for lamp. (Front plate and internal elec switches left in pedestal.)</li> <li>Connect 120V power in TC&amp;C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).</li> </ul> </li> </ul></li></ul>	List	Communications	SBBRI	6/11/2009	
<ul> <li>338 Atlantic – Payphones <ul> <li>A. West phone</li> <li>Install missing electrical back box in pedestal, and complete electrical hook up for lamp. (Front plate, internal elec switches, and coiled elec cables left in pedestal.)</li> <li>Connect 120V power in TC&amp;C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).</li> <li>Connect 120V power in TC&amp;C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).</li> <li>B. East phone: <ul> <li>Run electrical wiring to pedestal from TC&amp;C (pull string in conduit). Connect at electrical box, plug in pedestal lamp.</li> <li>Connect 120V power in TC&amp;C Room for pay phone enclosure lights; test optical sensor function (under phone enclosure).</li> </ul> </li> </ul></li></ul>	List	Communications	SBBRI	6/11/2009	
339 Per IFC Drawing No. N-052 there should be two	Punch List	Communications	SBBRI	6/15/2009	

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ID	Description of Item	Punch List	Discipline	Applicable Documentation	Action Assigned To	Date Opened	Date Closed	Remarks

	microphone and audio monitor panel.					
340	The test of the ETS at Union was completed	Punch	TP	SBBRI	6/20/2009	
	Thursday morning. I signed as witness to their					
	test procedure. The problem is their procedure					
	was wrong. First off as I understand the LBS are to be used to sectionalize so that Union					
	Pass Station can be used. On their matrix					
	drawing for ETS RELAY CONTROL GROUP					
	pushing the button at Union is only suppose to					
	open the LBS12 AND LBS13. It opens the LBS					
	and the breakers at TPS-01. The other thing is					
	there is no LBS reset at Union, only at TPS-01.					
	What is the purpose of the LBS if you can not					
	close breakers at the adjacent TPSS when an					
	ETS button is pushed? I had them check after					
	they completed their test procedure to see if					
	they could reset at TPS-01 with the button at Union pushed in and they were unable to reset					
	due to group alarm. The way its set up now					
	there is no way to sectionalize in that area. If					
	you push the ETS the track will stay					
	de-energized until the pushbutton is reset. It					
	just added a contactor to close when the ETS					
	button is pulled out and reset and all breakers					
	are closed at Union and TPS-01. Finally their					
	procedure did not test the pushbutton from					
	TPS-01 to Union. If your going to check the					
	circuit it should be tested from both ends to insure that it opens the breakers or LBS in that					
	area.					
341	TPS-02, TPS-04, TPS-06 and Boyle Ancillary	Punch	TP	SBBRI	6/20/2009	
	switchgear	List			5, 20, 2000	
	The existing eye wash stations made by					
	Northsafety does not complied with IFC spec					
	13125DB-2.12 which states " Provide a					

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	portable eye wash unit with twin spray heads, 10 gallon stainless steel tank, automatic pressure control, pus-to-operate valve, and pressure gage. Product shall be in accordance with CAL OSHA Industrial Safety Orders and ANSI Z358.1." Volt meter label on rectifier cabinet should indicate "RECTIFIER VOLTAGE" instead of "DC BUS VOLTAGE" The single Line diagram should modify to include the rectifier voltage meter The UPS batteries should be covered with dielectric glastic plates and provided rubber boots to positive and negative terminals connection.						
342	Need stairs for all TPSSs. TPS-02, TPS-04, TPS-06 and all Ancillary	Punch	TD	SBBRI	6/30/2009		
542	switchgear building The rain water down sprout from the gutter should flow rain water away from the TPSS foundation. The 90 degree angle gutter down sprout should be implemented.	List		JUDINI	0/30/2009		
343	TPS-04 and TPS-06 Some of rectifier snubber circuit wires are touching to the edge of heat sinks. These wires need to be neatly tied and keep away from rubbing with any metal surface. 246 relay was removed due to phase unbalance issue. Determine what cause the phase unbalance problem and need to be resolved.	Punch List	TP	SBBRI	6/20/2009		
344	TPS-02 and TPS-04 One of the Exterior Light bulbs was also burned out and need to be replaced.	Punch List	TP	SBBRI	6/20/2009		

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	TPS-02 Rectifier surge arrester Auxiliary Relay was burned out and need to be replaced. Insulated dielectric board between rectifier transformer and rectifier need to be secured against the rectifier transformer cabinet. One of the grounding jumpers between wire duct and negative bus need to be connected. The main gate needs wheels to support its weight.	Punch List	TP	SBB	RI 6/20/2009	
	TPS-02 and TPS-03 Auxiliary Switchgear The single line diagram does not include label or the disconnect switch names according the label (disconnect switch names) on the switch gear. The single line diagram should modify to include the disconnect switch names to the labels on the switch gear.	Punch List	TP	SBB		
	TPS-03 Metal chips inside the PLC cabinet need to be cleaned. Blue Light Station light bulb was burned out and need to be replaced.	Punch List	TP	SBB	RI 6/20/2009	
348	TPS-03 Auxiliary Switchgear There is only one bonding cable between the negative bus to the conduits. Implement two more bonding cables between negative bus to the conduits. The lighting panel schedule indicates 16 circuit panels but there are only 12 circuits on the panel. Please clarify number circuits require for the lighting panel.	Punch List	TP	SBB	RI 6/20/2009	
349	TPS-06 One of the main gate doors cannot be opened all the way due to new paving thickness is too high.	Punch List	TP	ELR	TC 6/20/2009	

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<ul> <li>350 ETS &amp; Transfer Trip Test Over current trip function was tested successfully and verified appropriate breaker tripping in TPS-01 through TPS-06. The button on ETS #6 needs to be replaced and retest for verification</li> <li>64G (Hot Frame) portion was transfer trip was verified and did not pass the test due to failure in the breaker lock out criteria because Powell transceiver modules do not provide the maintain signal.</li> </ul>	Punch List		SBBRI	6/20/2009
<ul> <li>351 TPS110 to TPS-01 ETS-F and Transfer Trip Test</li> <li>ETS-F function at TPS-110 tripped to TPS-01 appropriate breakers instead of Load Break switch. The test did not pass due to failure of Load Break Switch functionality at Union Station.</li> <li>I also include comments from TP night supervisor (Ark Ekbom) regarding this test.</li> </ul>	Punch List		SBBRI	6/20/2009
352 Kelvin I informed John that no fatal flaws. Major item is the snubbers on TPS-03, 04 & 06. On the eye wash, it is non-compliant:IFC spec 13125DB-2.12 states "Provide a portable eye wash unit with twin spray heads, 10 gallon stainless steel tank, automatic pressure control, pus-to-operate valve, and pressure gage. Product shall be in accordance with CAL OSHA Industrial Safety Orders and ANSI Z358.1." Make sure you note this applies to the Boyle Ancillary switchgear also - that's the only one that has a battery charger.	List	TP	SBBRI	6/20/2009
<ul> <li>353 EMP automatic scenarios will fail if CCF is offline.</li> <li>Reference PH-1 Integration Test number 1006D,E,F which requires that all underground</li> </ul>	List	Communications	SBBRI	6/20/2009

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	EVF be activated upon scenario selection from a single EMP. Due to deficiencies in the ELRTC design it will not be possible to control fans that are remote to the EMP. This is because ALL intranetwork switching between locations is performed at the HP Procurve switches at the ROC.					
354	Mariachi Mezz. Free space antenna broken near Rm.131 (Elev.machine room). Needs replacing.	Punch List	Communications	SBBRI	6/23/2009	
355	Mariachi TRK 1 portal area above fan dampers has a broken radiax standoff near cable connection.	Punch List	Communications	SBBRI	6/23/2009	
356	Mariachi TRK 2 near track dampers to portal 1 1/4" radiax connectors need to be weather-sealed.	Punch List	Communications	SBBRI	6/23/2009	
357	Mariachi portal exit radiax needs to be color coded for TX/RX designations.	Punch List	Communications	SBBRI	6/23/2009	
358	Mariachi splitters/cables need to be secured and cleaned up above TCC rack runs. Lots of loose drooping cables!!!	Punch List	Communications	SBBRI	6/23/2009	
359	Fire-stop seal all radio cable wall cores/conduits both at station sand cross passages.	Punch List	Communications	SBBRI	6/23/2009	
	Tunnel radiax needs to be taken off OCS supports. Tied to a total of 37 supports throughout both tunnels.	Punch List	Communications		6/23/2009	
361	Mariachi and East Portal 800mhz BDA cabinet fans need to be wired up for 120vac power.	Punch List	Communications		6/23/2009	

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362	XP3 UHF-HI combiner (TRK 2) filter output (SMA-N) cable should be replaced.	Punch List	Communications	SBBRI	6/23/2009	
363	SOTO radio headend TX/RX splitters/cabling need to be seperated and put in RF enclosures??????	Punch List	Communications	SBBRI	6/23/2009	
	From Louis Campos - Sent to David Meyers for action - Bert maybe you can help me with this; I have a question regarding the sump pump for the mop sink at Mariachi. Do you have any idea why this sump pump needs to be manually operated "only" as opposed to automatic function? Unless there is a good reason for this I'll push to have it changed to include auto start.	List	Plumbing	MURRAY	6/23/2009	
365	he BLS de-energization signs on the inside door panel is not accurate for Track 1. Tracks need to be switched to show that the de-energize track is the one closest to the BLS. As it stands, the de-energized track is shown as the far track. ELRTC used the same track schematic for BLS units on both tracks. It needs to be reversed for the "other" track.			SBBRI	7/6/2009	
366	SCA-0075 - Union terminal mode - When in TERMINAL operation mode the primary route 4S-4N aligns for an arriving train (Platform 2) and a long overlap lock is called and signal 8S momentarily clears. This causes the baggage claim crossing to activate. Is a long overlap lock really needed? Why not just align the switch and upgrade the speed code? The crossing gate should not be called for Pasadena inbound trains unless a real route is aligned.		TC	SBBRI	7/13/2009	
367	"SCA-0102 Train control ""Summary Alarm"" (i.e., tagname AT-Summary etc.) should indicate for any alarm at a location. This bit however is not indicating for all alarms. This is	Punch List	TC	SBBRI	7/13/2009	

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	an issue with the Electroligix program."					
368	Soto and Mariachi stations - the deluge push-buttons are momentary, not latched. When they are depressed, the lights go out momentarily, and then come back on (and the FCP can be reset without pushing the button again). They all should be latched.	Punch List	Communications	SBBRI	7/13/2009	
	CLARENCE X OVER/PICO Coupler case CC178-1 has a hole cut in the bottom that needs to be sealed with a cover plate (like the one in Coupler case CC178-2)	Punch List		SBBRI	6/16/2009	6/17/2009
370	CLARENCE X OVER/PICO - Switch 1B cover plate needs to be installed (been removed)	Punch List	TC	SBBRI	6/17/2009	7/8/2009
371	CLARENCE X OVER/PICO - Track wire access cover plates already bent (Cover plate material too thin)		TC	SBBRI	7/8/2009	
372	Indiana Station - Missing flasher hood on Ped-Xing (Flasher F3)	Punch List	TC		6/9/2009	6/18/2009
373	Ditman - Sheet number 22 (coupler circuits & case layout) missing from prints	Punch List	тс	SBBRI	6/16/2009	
374	Ditman - TWC wires track 1 & 2 at signals 2S & 4S are exposed in drainage ditch	Punch List	тс	SBBRI	7/8/2009	
375	Atlantic Station - Switch 1A still has old tongue detector rods installed. New rods supplied by H&K need to be installed	Punch List	ТС	SBBRI	6/16/2009	

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376	Atlantic Station - The left tongue on switch 3B has excess pressure on the rods and has a gap of 1cm between the stock rail and tongue at switch point. This condition is not able to be corrected with switch machine adjustment. The rail installer will need to make the corrections.		TC	SBBRI	6/16/2009	
377	Atlantic Station - Track wire access cover plates already bent (Cover plate material too thin)	Punch List	TC	SBBRI	7/8/2009	
378	Union - Track wires for U-2SAPT are spliced and should be underground	Punch List	TC	SBBRI	7/14/2009	7/16/2009
379	Little Tokyo - Track wire access cover plates already bent (Cover plate material too thin)	Punch List	тс	SBBRI	7/14/2009	
380	Little Tokyo - Track wires are bonded to inside of rail for circuits 1AR, 2AR, LT-1NT, LT-2NT	Punch List	тс	SBBRI	7/14/2009	7/15/2009
381	Little Tokyo - Coupler case CC-132 needs to be grounded	Punch List	тс	SBBRI	7/14/2009	7/16/2009
382	Little Tokyo - Flasher F3 needs cover plate for hole in mast	Punch List	тс	SBBRI	7/14/2009	7/16/2009
383	Little Tokyo - Counduit in pull box between signals 2S & 4S need sealed	Punch List		SBBRI	7/14/2009	7/14/2009
384	Little Tokyo - Pull box lid/cover at flashers F1, F3, F4 missing	Punch List	тс	SBBRI	7/14/2009	7/16/2009
385	Little Tokyo - Signal wires are spliced in junction boxes (improper type splices, should be 3M or equivalent)	Punch List	TC	SBBRI	7/15/2009	

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I	D	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
		of Item	List	-	Documentation	Assigned	Opened	Closed	
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386	Mariachi - Up date print for fiber optic converter changes	Punch List	TC	SBBRI	7/15/2009
387	Soto - All electronic equipment needs cleaning inside & out (very dusty)	Punch List	тс	SBBRI	7/15/2009
388	Soto - Up date print for fiber optic converter changes	Punch List	TC	SBBRI	7/15/2009
389	Soto - Battery posts need grease	Punch List	тс	SBBRI	7/15/2009
390	Soto - Batteries are sitting on cardboard	Punch List	тс	SBBRI	7/15/2009
391	Soto - Binder ground fault unit is in alarm	Punch List	TC	SBBRI	7/15/2009 7/16/2009
392	Soto - 2BSA broken coil cover (Needs replacement)	Punch List	тс	SBBRI	7/15/2009
393	Soto - CC225-2 has missing wire tags	Punch List	TC	SBBRI	7/15/2009
394	Soto - CC225-1 has missing wire tags	Punch List	TC	SBBRI	7/15/2009
395	CP - 4 - Up date print for fiber optic converter changes	Punch List	ТС	SBBRI	7/16/2009

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10	υ	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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396	CP-4 - Need to install light fixture inside case (left side)	Punch List	TC	SBBRI	7/16/2009	
397	East Portal - All electronic equipment needs cleaning inside & out (very dusty)	Punch List	ТС	SBBRI	7/16/2009	
398	East Portal - Up date print for fiber optic converter changes	Punch List	ТС	SBBRI	7/16/2009	
399	East Portal - Print should show location where main power feed comes from	Punch List	ТС	SBBRI	7/16/2009	
400	East Portal - Track wires on TC4 have wrong nomenclature (tags marked incorrectly)	Punch List	тс	SBBRI	7/16/2009	
401	Indiana Station - Up date print for fiber optic converter changes	Punch List	тс	SBBRI	7/15/2009	
402	Indiana Station - All electronic equipment needs cleaning inside & out (very dusty)	Punch List	тс	SBBRI	7/15/2009	
403	Indiana Station - Aftac track wires bond to rail must be accessible	Punch List	ТС	SBBRI	7/15/2009	
404	Ditman - Up date print for fiber optic converter changes	Punch List	TC	SBBRI	7/15/2009	
405	Ditman - Track wire access cover plates already bent (Cover plate material too thin)	Punch List	ТС	SBBRI	7/15/2009	

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11	D	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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406	Ditman - Track wire access cover plates at signal 4S have missing bolts	Punch List	TC	SBBRI	7/15/2009	
407	Downey - Battery bank B12-1 cell 3 negative post has missing rubber protective cover	Punch List	тс	SBBRI	6/18/2009	
408	Maravilla Station - Up date print for fiber optic converter changes	Punch List	TC	SBBRI	7/16/2009	
409	Maravilla Station -All electronic equipment needs cleaning inside & out (very dusty)	Punch List	ТС	SBBRI	7/16/2009	
410	Maravilla Station - Track wire access cover plates already bent (Cover plate material too thin)	Punch List	TC	SBBRI	7/16/2009	
411	Civic Center Station - Up date print for fiber optic converter changes	Punch List	тс		7/16/2009	
412	Civic Center Station - All electronic equipment needs cleaning inside & out (very dusty)	Punch List	TC	SBBRI	7/16/2009	
414	Atlantic Station - Up date print for fiber optic converter changes	Punch List	TC	SBBRI	7/16/2009	
415	Atlantic Station - Track wire for AT-1PRN needs to be sealed in concreate at saw cut	Punch List	тс	SBBRI	7/20/2009	7/20/2009
416	Atlantic Station - Track wire for AT-2PRN needs to be sealed in concreate at saw cut	Punch List	ТС	SBBRI	7/20/2009	7/20/2009

ID	Description	Punch	Discipline	Applicable	Action	Date	Date	Remarks
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417 There is no specific method for installing camera housings. Cameras housing are installed with banding wrapped around canopy structures or installed with self tapping screws. Banding is the cheapest easiest way to install cameras. No attempt is made to permanently and securely attach housings. Housings are not painted to match décor and stand out and deface structures. Incidentally noted; many of the emergency lighting housings are mounted similarly.	List	Communications	SBBRI	8/8/2009	
418 Map cases are not securely mounted and can easily be pushed to wobble in place. This is true at every platform. Many are not install plumb directly against the other and this is easily seen on approach.	List	Architectural	ELRTC	8/8/2009	
419 Pedestrian Gate design is questionable: of the two stations that have 32 gates at least eight did not close properly. Serious PUC and safety issue. At least half at this time need the have the hinges relocated to the opposite side to reverse the operation of the door in order to face train movement upon opening gate.	List	TC	SBBRI	8/8/2009	
420 Every C&S has a least one to two wall mounted-air conditioners that are inaccessible for service. Basically blocked and entrapped in place by conduits, cable trays, light fixtures, etcetera. At this time at least five units were failing and could not be removed as installed. All units additionally need to be cleaned before opening.	List	Architectural	ELRTC	8/8/2009	
421 All conduits within the C&S rooms were installed just to floor level with incorrect fitting used to extend conduits to panels and controllers. Set screw connectors are not listed for this application as embedded within concrete or located at floor level. Due to this,	List	Electrical	SBBRI	8/8/2009	

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water has penetrated and inundated cond any of the stations that were flooded out					
this year. There is some attempt now to the fittings with concrete which additiona illegal for this type of fitting.	cover				
422 We are pushing to have access thought back side of the station, since if the acce hatch opening mechanism fails there is r to get into the structure.	ss List	ctural	ELRTC	8/8/2009	
423 Materials used to seal Comm. and Signa conduits penetrating C&S walls (main so flood waters) does not work. We noted o failures with standing water and runoff at Indiana and Maravilla. All conduit openin should be re-done with more adequate s and fire stop materials.	urce of List bvious g	inications	SBBRI	8/8/2009	
424 Cabling system used to open C&S hatcher loose cables with cables easily coming of pulleys used as guides. Door failure likel repeated use.	ff List	ctural	ELRTC	8/8/2009	
425 At Atlantic and other stations; Train signa housings mounted at both ends of the pla were not freshly painted and have a sha look that offsets new support columns.	tforms List		SBBRI	8/8/2009	
426 Mariachi Station Room 128 EVF 533 - G between Fan Shoud and cut out compro fire rating of wall. Same with gap above wall, needs to be covered to maintain fire	mise List brick	nical	UMM	9/7/2009	
427 Mariachi Station Track Level East end of - Attenuators stubbed out through wall ne framing, supports, gaskets and wire mess screens to be installed. Equipment subject vibration and secured together with teck screws. Attenduators subject to failure fr separation mounting and open to debriss entering attenuator structure.	eed List h ct to	nical	UMM	9/7/2009	

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ID	Description of Item	Punch List	Discipline	Applicable Documentation	Action Assigned To	Date Opened	Date Closed	Remarks

428		Punch List	Mechanical	UMM	9/7/2009	
429	Mariachi Station Street Level Plaza - Bent/damaged protective grating covering open vent shaft.		Architectural	ELRTC	9/7/2009	
	Soto Station Room M118 - Water heater not installed per drawing P-802 on 4 inch concrete pad. Electrical fittings not compression type and water tight. Water heater mounted directly to concrete floor with rust showing at base.Condulet shows no gasket and directly against heater.		Plumbing	MURRAY	9/7/2009	
	Mariachi Station Room M128 - 3/8 " bolts and nuts used for fan motor housings and supports for shrouds inadequate with shims slipping out from mountings. Replace bolts with at least 1/2 inch bolts to securly fasten equipment to floors and pedestals. Shims are not securly fastended in place.		Mechanical	UMM	9/7/2009	
	Atlantic Station Platform - Track One side of platform concrete not level with tile work. Level tile to concrete or grind concrete.		Architectural	ELRTC	9/7/2009	
433	Atlantic Station C&S (communication room) - Water damage to insulating equipment mounting boards.	Punch List	Communications	SBBRI	9/7/2009	
434	Soto Station - near elevator mezzanine level by door M141 - Damaged tile - trip hazzard.	Punch List	Architectural	ELRTC	9/7/2009	
435	At All At Grade Stations- C&S rooms conduits wall entries on both sides of the stations - Install fire stop and water seal conduits. Current		Communications	SBBRI	9/7/2009	

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method used fails to stop water from entering structure. Need to remove and reinstall				
materials to properly seal conduits in order to				
prevent water entry.				

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