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Southern California Rapid Transit District

METRO RAIL PROJECT

TEST PROGRAM PLAN APPENDIX A LIST OF TYPICAL FIXED FACILITIES TESTS

SEPTEMBER 1988

REVISION 0

APPENDIX A - LIST OF TYPICAL FIXED FACILITIES TESTS

T A B L E O F C O N T E N T S

CONTRACT
SPECIFICATION

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NUMBER

A141

Line Union Station to 5th/Hill Civic Center Stage 1

A-1

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Master List of Metro Rail Test Program Tests

Contract Number: A141

Contract: Line Union Station to 5th/Hill Civic Center Stage 1

Contract Date: 03/02/87

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Revision:

Date: 9/26/88

Item	Test Number	Test Title	Specification Reference Section	Test Frequency	Safety Test YES/NO	Test Group	Scheduled Completion Date	Current Status
1	A141 N C XXX-RO	Creep test on tie back	02162 (3.8)	PER PARA 3.8	NO	CM		planned
2	A141 N C XXX-RO	Magnetometer survey test	02311 (3.1)	RANDOM	NO	CM		planned
3	A141 S V XXX-RO	Gasket Methane Permeability test	02322 (2.5.B.10)	INITIAL	YES	CM		planned
4	A141 S A XXX-RO	Fire Protection Piping test to NFPA 24	02600 (3.21)	PRIOR TO BACK FILLING	YES	CM		planned
5	A141 S A XXX-RO	Fire Protection System Operation Test to NFPA 24	02600 (3.8.J)	FINAL	YES	CM		planned
6	A141 S A XXX-RO	Water System Disinfection Sample Test	02600 (3.21 & 3.23.D.4)	FINAL	YES	CM		planned
7	A141 N V XXX-RO	Mechanical & Chemical Tests for rebar when heat number is not traceable to CMTR	03200 (1.4.D)	RANDOM	NO	CM		planned
8	A141 N V XXX-RO	Mechanical & Chemical Tests for structural steel when heat number not traceable to CMTR	05120 (1.3.D)	RANDOM	NO	CM		planned

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Item	Test Number	Test Title	Specification Reference Section	Test Frequency	Safety Test YES/NO	Test Group	Scheduled Completion Date	Current Status
9	A141 S V XXX-RO	HDPE Ingredient Tests at source to verify CMTR's	07101 (1.2.A)	RANDOM	YES	CM		planned
10	A141 S V XXX-RO	HDPE Membrane Methane Permeability Test	07101 (1.2.A)	INITIAL AND RANDOM AS NECESSARY	YES	CM		planned
11	A141 N C XXX-RO	Welding Machine Test Weld (Field)	07101 (3.9)	RANDOM	NO	CM		planned
12	A141 S C XXX-RO	Field Welding HDPE Tests (NDE)	07101 (3.3 & 3.7)	RANDOM	YES	CM		planned
13	A141 N V XXX-RO	HDPE Including Ingredients at Source/Site to verify CMTR's	07103 (2.4 & 2.3)	RANDOM AND INITIAL	YES	CM		planned
14	A141 N V XXX-RO	Random Tests of HDPE Welding Ingredients Delivered to Site	07103 (2.5 & 2.6)	RANDOM	YES	CM		planned
15	A141 S C XXX-RO	Field Welding HDPE Tests (NDE)	07103 (3.2 & 3.6)	RANDOM	YES	CM		planned
16	A141 S C XXX-RO	Welding Machine Tests	07103 (3.8)	PER PARA 3.8	YES	CM		planned

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17	A141 S V XXX-R0	Test Hydrocarbon-Resistant Coating Ingredients & Finished Products	07121 (2.1 B&D)	INITIAL AND RANDOM	YES	CM		planned
18	A141 S C XXX-R0	NDE Test for Gas & Water Tightness (NDE)	07121 (3.2 E)	RANDOM	YES	CM		planned
19	A141 N A XXX-R0	Pressure Test Installed Door	08314 (1.2.A.3)	FINAL ON ONE DOOR	YES	CM		planned
20	A141 S V XXX-R0	(Witness) Test of Fire Rated Doors without UL Labels	08314 (2.3)	AS REQUIRED	YES	CM		planned
21	A141 S A XXX-R0	Pressure Test Fire Protection Sprinkler System per Local Regulations	15330 (3.4)	FINAL	YES	CM		planned
22	A141 S A XXX-R0	Pressure Test Wet Standpipe System per NFPA 14	15376 (3.3)	FINAL	YES	CM		planned
23	A141 N A XXX-R0	Pressure Test Water Supply by Sections @ 150%	15405 (3.3)	FINAL	NO	CM		planned
24	A141 S A XXX-R0	Disinfection Test for Water Supply System Sample by Sections per AWWA C-601	15405 (3.4)	FINAL	YES	CM		planned

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25	A141 N A XXX-RO	Pressure Test Sanitary Sewerage Lines	15432 (3.4)	FINAL	NO	CM		planned
26	A141 N A XXX-RO	Pressure Test Drainage Lines	15434 (3.3)	FINAL	NO	CM		planned
27	A141 N A XXX-RO	Pressure Test Condenser Piping System	15532 (3.4)	FINAL	NO	CM		planned
28	A141 S A XXX-RO	Start-up Testing of Air Handling Equipment and Controls to Verify Proper Operation and Interface with Other Systems	15852 (3.3)	FINAL	YES	Contr.		planned
29	A141 S A XXX-RO	Fire Damper Tests per NFPA for Emergency Ventilation System	15888 (2.5)	FINAL	YES	CM		planned
30	A141 S A XXX-RO	Fire/Smoke Combination Damper Tests for Emergency Ventilation System	15888 (2.6)	FINAL	YES	CM		planned
31	A141 S C XXX-RO	Air Pressure Tests of Installed Emergency Ventilation System Ductwork with Dampers Installed	15888 (3.8)	FINAL	YES	CM		planned

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32	A141 N A XXX-R0	Perform Total System Balance Tests for Air and Water Piping Systems	15990 (1.2.A & 3.3)	FINAL	NO	CM		planned
33	A141 S A XXX-R0	Start-Up Testing of Air Handling Equipment and Controls to Verify Proper Operation and Interface with Other Systems	15952 (3.2)	FINAL	YES	Contr.		planned
34	A141 S V XXX-R0	Flammability Tests for Electrical Products	16050 (2.1, 2.4 & 2.14)	RANDOM	YES	CM		planned
35	A141 S A XXX-R0	Operational and Control Tests for Electric Motors (Rotation, Grounding, Insulation Resistance Control Wiring Verification)	16051 (3.2)	FINAL	YES	Contr.		planned
36	A141 S A XXX-R0	Auxiliary Electrical Emergency System (Power)	16955 (3.8)	RANDOM AND FINAL	YES	CM		planned
37	A141 N A XXX-R0	Auxiliary Electrical Distribution System Operability Tests	16955 (3.6)	FINAL	NO	CM		planned

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38	A141 N A XXX-RO	Grounding System Verification	16955 (3.1)	FINAL	NO	CM		planned
39	A141 N A XXX-RO	Auxiliary Electrical Distribution System Conductor Insulation Test	16955 (3.3)	FINAL	NO	CM		planned

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