

REPORT NO. UMTA-MA-06-0025-79-6,IV

SLRV ENGINEERING TESTS AT DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION TEST CENTER  
FINAL TEST REPORT  
Volume IV - Data Logs

Prepared by  
Boeing Vertol Company  
Surface Transportation Systems  
Philadelphia, PA 19142



JUNE 1979

FINAL REPORT

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VIRGINIA 22161

Prepared for  
U.S. DEPARTMENT OF TRANSPORTATION  
URBAN MASS TRANSPORTATION ADMINISTRATION  
Office of Technology Development and Deployment  
Office of Rail and Construction Technology  
Washington, D.C. 20590

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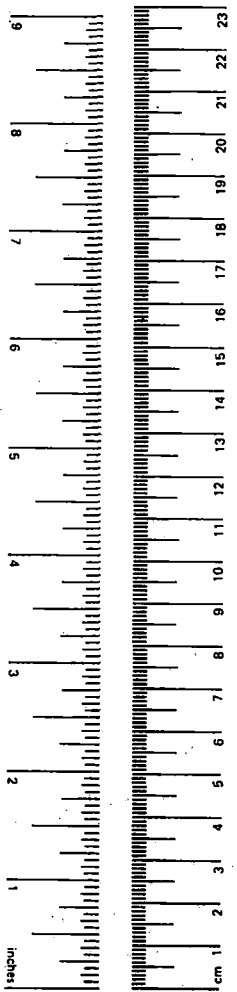
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16. Abstract In May 1973, Boeing Vertol Company was awarded a contract to build Light Rail Vehicles to a specification sponsored by Department of Transportation's Urban Mass Transportation Administration, and identified a Standard Light Rail Vehicle (SLRV).  Engineering testing on the SLRV was conducted by Boeing Vertol Company in accordance with the General Vehicle Test Plan GSP-064 at the Transportation Test Center, Pueblo, Colorado. The tests were conducted in conjunction with the Qualification Testing of three SLRV Production Pilot Cars (SF-0002, SF-0003, and MB-0002).  This report presents the results of the series of tests conducted in accordance with GSP-064. Volume I contains a description of the SLRV Test Program and the vehicle, and a summary of the test results; Volume II, Performance and Power Consumption Test Data; Volume III, Ride Quality, Noise, and Radio Frequency Interference Test Data; and Volume IV, a log of all tests collated by test objective and test vehicle.				13. Type of Report and Period Covered Final Report Jan - June 1976	
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## Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
<b><u>LENGTH</u></b>				
in	inches	2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
<b><u>AREA</u></b>				
in <sup>2</sup>	square inches	6.5	square centimeters	cm <sup>2</sup>
ft <sup>2</sup>	square feet	0.09	square meters	m <sup>2</sup>
yd <sup>2</sup>	square yards	0.8	square meters	m <sup>2</sup>
mi <sup>2</sup>	square miles	2.6	square kilometers	km <sup>2</sup>
	acres	0.4	hectares	ha
<b><u>MASS (weight)</u></b>				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
<b><u>VOLUME</u></b>				
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft <sup>3</sup>	cubic feet	0.03	cubic meters	m <sup>3</sup>
yd <sup>3</sup>	cubic yards	0.76	cubic meters	m <sup>3</sup>
<b><u>TEMPERATURE (exact)</u></b>				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

\* 1 in = 2.54 cm (exactly). For other exact conversions and more detailed tables, see NBS Misc. Pub. 286, Units of Weights and Measures, Price \$2.25, SD Catalog No. C13.10:286.

# METRIC CONVERSION FACTORS



## Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
<b>LENGTH</b>				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
<b>AREA</b>				
cm <sup>2</sup>	square centimeters	0.16	square inches	in <sup>2</sup>
m <sup>2</sup>	square meters	1.2	square yards	yd <sup>2</sup>
km <sup>2</sup>	square kilometers	0.4	square miles	mi <sup>2</sup>
ha	hectares (10,000 m <sup>2</sup> )	2.5	acres	
<b>MASS (weight)</b>				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
<b>VOLUME</b>				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m <sup>3</sup>	cubic meters	35	cubic feet	ft <sup>3</sup>
m <sup>3</sup>	cubic meters	1.3	cubic yards	yd <sup>3</sup>
<b>TEMPERATURE (exact)</b>				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit	°F

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A. TOTAL TEST LOG ON CAR SF0002

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 1 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
10/8/75	1	ACCEL	100%	0-50	AWO	SF0002	N		
	2	FS. BRAKE	↓	50-0	↓	↓	N		
	3	FRICTION	↓	30-0	↓	↓	N		
	4	EMERGENCY	↓	30	↓	↓	S		
10/14/75	2	CAB SIG	100%	0-50	AWO	SF0002			
	1	ACCEL	↓	↓	↓	↓	S		
	2	T.V. DEMO	↓	↓	↓	↓	N	660 V.	
	3	ACCEL	↓	↓	↓	↓	S		
	4		↓	↓	↓	↓	N		
10/15/75	3	CAB SIG.		0-20	AWO	SF0002			
	1	ANTENNA		↓	↓	↓	N		
	2		50%	↓	↓	↓	N		
	3		25%	↓	↓	↓	N		
	4		50%	↓	↓	↓	N		
	5		50%	↓	↓	↓	N		
	6		100%	↓	↓	↓	N		
	7		100%	0-20	↓	↓	N		
	8		25%	0-10	↓	↓	N		
	9		25%	0-20	↓	↓	N		
	10		50%	↓	↓	↓	N		
	11		100%	0-20	↓	↓	N		
	12	SPEED		20	↓	↓	N		
	13	CALIB		30	↓	↓	S		
	14			30	↓	↓	S		
	15			30	↓	↓	S		
	16			40	↓	↓	I		
	17			40	↓	↓	S		
	18			50	↓	↓	N		
	19			50	↓	↓	S		
20	ACCEL	100%	0-50	↓	↓	N			
10/16/75	4	CONST. SPEED	100%	45	AWO	SF0002			
	1			45	↓	↓	N		
	2			0-30	↓	↓	S		
	3	SPEED SENSOR		45	↓	↓	N		
	4	CONST SPEED		45	↓	↓	S		
	5			45	↓	↓	S		
	6	ACCEL		0-36	↓	↓	S		
	7			-	↓	↓	S		
	8	ACCEL		0-36	↓	↓	S		
9			0-50	↓	↓	N			



SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 2 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
10/14/75	4								
	10	ACCEL	100 %		AWO	SF0002	N		
	11	F.S. BRAKE	↓		↓	↓	S		
	12	F.S. BRAKE	↓		↓	↓	N		
	13	FRICTION	↓		↓	↓	N		
	14	FRICTION	↓		↓	↓	S		
10/20/75	5								
	1	ACCEL	100%	0-30	AWO	SF0002	N		TAPE A-1, B-1
	2	↓		0-30	↓	↓	S		
	3	↓	50%	0-30	↓	↓	S		
	4	F.S. BRAKE	100%	20	↓	↓	S		
	5	↓	50%	20	↓	↓	S		
	6	↓	100%	30	↓	↓	S		
	7	↓	50%	30	↓	↓	S		
	8	↓	100%	50	↓	↓	S		
	9	↓	50%	50	↓	↓	S		
	10	↓	100%	30	↓	↓	N		
	11	FRICTION	100%	20	↓	↓	S		
	12	↓	50%	20	↓	↓	S		
	13	↓	100%	30	↓	↓	S		
	14	↓	50%	30	↓	↓	S		
	15	F.S. BRAKE	100%	40	↓	↓	S		
	16	FRICTION	100%	40	↓	↓	S		
	17	↓	50%	40	↓	↓	S		
	18	↓	100%	50	↓	↓	S		
	19	↓	50%	50	↓	↓	S		
	20	↓	100%	50	↓	↓	N		
21	EMERGENCY	100%	30	↓	↓	S			
10/21/75	6								
	1	EMERGENCY	100%	30	AWO	SF0002	S		TAPE A-1, B-1
	2	↓	↓	30	↓	↓	S		
	3	↓	↓	30	↓	↓	S		
	4	↓	↓	30	↓	↓	S		
	5	↓	↓	30	↓	↓	S		
	6	↓	↓	50	↓	↓	S		
	7	↓	↓	30	↓	↓	N		
	8	↓	↓	30	↓	↓	N		
	9	DYNAMIC	100%	20	↓	↓	S		
	10	↓	50%	20	↓	↓	S		
	11	↓	100%	30	↓	↓	S		
	12	↓	50%	30	↓	↓	S		
13	↓	100%	40	↓	↓	S			

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 3 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:						
10/21/75	6	14	DYNAMIC	50%	40	AWO	SF0002		Tape A-1, B-1						
		15	↓	100%	50										
		16	↓	100%	50										
		17	↓	50%	50										
		18	SPEED CALIB	100%	20										
		19	↓		20										
		20	↓		30										
		21	↓		30										
		22	↓		40										
		23	↓		40										
		24	↓		45										
		25	↓		50										
		26	TRACK BRAKE		10										
		27	↓		20										
		28	↓		30										
		29	↓		40										
		30	↓		50										
		31	↓		50										
		10/22/75	7	1	ACCEL					100%	0-50	AWO	SF0002	570	
				2	↓						0-50				
				3	↓						0-50				
				4	↓						0-50				
				5	↓						0-50				
				6	↓						0-50				
				7	DYNAMIC					100%	30				
				8	↓						30				
				9	↓						30				
		10/24/75	8	1	ACCEL					100%	0-50	AWO	SF0002		
				2	ACCEL						0-50				
				3	DRIFT						30-0				
				4	↓						30-20				
5	↓				30-20										
6	BLENDED FRICTION				30										
7	↓				30										
8	↓				30										
9	↓				30										
10	↓				30										
11	↓				30										
12	↓				30										

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 4 OF 30

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
10/29/75	9	1 ACCEL	100	0-50	AWO	SF0002	N		} No CEC
		2 ↓		0-50					
		3 ↓		0-50					
		4 ↓		0-50					
		5 ↓							
		6 ACCEL	↓	0-35					
		6 BLENDED	50	35-0					
		7 ↓	50	35-0					
		8 ACCEL	100	0-35					
		8 BLENDED	100	35-0					
		9 ACCEL	100	0-35					
		9 BLENDED	100	35-0					
		10 ACCEL	100	0-35					
		10 BLENDED	50	35-0					
		11 ACCEL	100	0-35					
11 BLENDED	100	35-0							
12 ACCEL	100	0-35							
12 EMERGENCY	100	35-0							
13 EMERGENCY	100	35-0							
14 STEADY STATE ACCEL	↓	50							
15 EMERGENCY	↓								
	10	SKIPPED							
11/3/75	11	1 F.S. BRAKE	50%	35	AW 2	SF0002	Z		
		2 ↓	100%	35					
		3 ↓	50%	35					
		4 ↓	100%	35					
		5 ACCEL	100	50					
		6 DECEL		50					
		7 EMERGENCY		35					
		8 ↓		35					
		9 ↓		35					
		10 ↓		35					
		11 ↓		35					
		12 F.S. BRAKE	25%	35					
		13 ↓	75%	35					
		14 ↓	25%	35					
		15 ↓	75%	35					
		16 ACCEL	100%	0-50					
		17 ACCEL	100%	0-50					

DATE	TEST NO. REC NO	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
11/3/75	11	ACCEL	100%	0-50	AW2	SF0002	N		PANOGRAPH BOUNCE
	18			0-50			S		
	19			0-50			N		
	20			0-50			S		
	21			0-50			N		
	22	F.S. BRAKE		30			S		
	23			30			N		
24			30			S			
25			30.5			N			
11/24/75	12	CAB SIGNAL ACCEL	100%	INTERFERENCE 0-20	AW2	SF0002			100 AMPS 200 AMPS 100 AMPS 200 AMPS 100 AMPS 200 AMPS
	1			0-20					
	2								
	3								
	4								
	5								
	6								
	7				0-50			N	
	8							S	
	9							N	
	10							S	
	11							N	
	12	ACCEL			0-50			S	
	13	FRICION BRAKE			47			S	
14				37			S		
15				48			S		
16				46			N		
17				45			N		
18				29			S		
19	TRACK BRAKE			30			N		
20				30			S		
21				31			S		
22				30			N		
23				30			N		
24				30			N		
11/26/75	13	ACCEL	100%	0-50	AW2	SF0002	N		
	1						S		
	2						N		
	3						S		
	4						N		
	5						S		
	6						N		
7						S			

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 6 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
11/26/75	13 8 9 10 11	FRICION BRAKE ↓ ↓	100% ↓ ↓	30 30 50 48	AW2 ↓ ↓	SF0002 ↓ ↓	S N S N		
12/12/75	14 1 2 3 4	ACCEL ↓ ↓	100% ↓ ↓	0-50 " "	AW2 ↓ ↓	SF0002 ↓ ↓	S		T.E. PAUSES
12/13/75	15 1T 2T 3T 4 5T 6 7 8 9 10T 11 12 13 14 15 16 17	SPEED CALIB ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ACCEL ↓ ↓ ↓ ↓ ↓ ↓	100% ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	30 30 30 30 40 40 50 48 48 30 0-50 ↓ ↓ ↓ ↓ ↓ 0-50	AW2 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	SF0002 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	N S N N S N S N S N S N S N S N N	Tape A-1, B-1  RESET WHEEL WEAR POT  OVERSPEED T.E. PAUSES  DIAGONOSTIC GARRETT PAN. BOUNCE  PAN BOUNCE INST. RECONNECTED	
12/18/75	16 1	CAB SIG	100%		AW2	SF0002	N		
12/19/75	17 1 50	CAB SIGNAL ↓	100% ↓		AW2 ↓	SF0002 ↓			
12/11/75	18 1 2 3 4 5 6 7	SPEED CALIB ↓ ↓ ↓ ↓ ↓ ↓ ↓	100% ↓ ↓ ↓ ↓ ↓ ↓	30 30 40 40 50 50(48) 48	AW2 ↓ ↓ ↓ ↓ ↓ ↓	SF0002 ↓ ↓ ↓ ↓ ↓ ↓ ↓	N S N S N N S		OVERSPEED

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE & CAB SIGNAL

SHEET 7 OF 30

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
12/11/75	18 8 9 10 11 12 13	SPEED CALIB ACCEL ↓	100% ↓	20 20 0-50 0-50 0-50	AW2 ↓	SF0002 ↓	N S N S N S		
12/12/75	19 1 2 3 4 5 6 7 8	2 CAR TRAIN ↓	100% ↓	35 50 50 50 50	AW2 & AW0 ↓	SF0002 & SF0003 ↓	S N S N S N S N		JERKING PROP DISABLE  T.V. CREW ON SF0003 T.V. CREW ON SF0002
12/12/75	20	CAB SIGNAL	100% 50%		AW2	SF0002			
12/15/75	21 1 THRU 16	CAB SIGNAL			AW2				TEST 4-1
12/18/75	22 1 2 3 4 5 6 7 8 9	SPEED CALIB ↓ ACCEL ↓	100% ↓	20 40 0-50	AW2 ↓	SF0002 ↓	N S N S N S N S N		ARMATURE CURRENT 720 AMPS  T.E. PAUSES ADT. OF HALL SENSOR PANO. BOUNCE f HALL SENSOR ADT.
12/19/75	23 1 2 3 4 5 6 7 8 9 10	ACCEL ↓	100% ↓	0-50 ↓	AW2 ↓	SF0002 ↓	S N S N S N S N S N		TAPE A-2, B-2 T.E. PAUSES NO PAUSE TWO PAUSES NO PAUSE TWO PAUSES NO PAUSE ↓

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 8 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:		
12/19/75	23								TAPE A-2, B-2  SF0003 ECU CARDS A9, 10, 11, 12 & A12 INSTL. SF0002 REPLACED.		
	11 T	ACCEL	25%	0-40	AW2	SF0002	S				
	12	↓	25%				N				
	13	ACCEL	100%	0-50			N				
	14	F.S. BRAKE		20 NO GOOD							
	15 T	↓		20			S				
	16	FRICION		30			S				
	17 T	F.S. BRAKE		20			N				
	18	↓		20			N				
	19		50%	20			N				
	20		100%	30			S				
	21		100%	30			S				
	22		50%	30			S				
	23		100%	40			N				
	24		50%	40			N				
	25		100%	50			S				
	26		100%	50			N				
	27		50%	50			S				
	28		100%	20			S				
	29		50%	20			N				
	30	FRICION	50%	20			N				
	31		100%	30			N				
	32		50%	30			S				
	33		100%	40			S				
	34		50%	40			N				
	35		100%	50			S				
	36		100%	50			N				
	37 T		50%	50			S				
	38	SPEED	100%	40			N				
	39	CALIB	100%	30			S				
	12/22/75	24									THREE T.E. PAUSES PANO BOUNCE  TAPE A-2, B-2
		1 T	ACCEL	100%	0-50	AW2	SF0002	S			
		2	↓		0-50			N			
		3	TRACK BRK		10			S			
		4			20			S			
		5			30			S			
		6			40			N			
		7			50			S			
		8			20			N			
9		DYNAMIC	100%	20			S				
10			50%	20			N				
11			100%	30			N				
12		50%	30			S					

DATE	TEST NO. REC NO.	TYPE OF TEST	P SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:							
12/22/75	24	13 T DYNAMIC	100%	40	AW2	SF0002	S									
	14	↓	50%	40						N						
	15	↓	100%	50						S						
	16	↓	100%	50						N						
	17	↓	50%	50						S						
	18	EMERGENCY	100%	50						N						
	19	↓		50						S						
	20	↓		40						N						
	21	↓		30						N						
	22	↓		20						N						
	23	↓		10						S						
	24	↓		30						S						
	25	↓		40						S						
	26	SPEED CALIB		50						N						
	27	↓		50						S						
	28	↓		40						N						
	29	↓		40						S						
	30	↓		30						N						
	31	↓		30						S						
	32	↓		20						N						
	33	↓		20						S						
	34	↓		10						N						
	35	↓		10						S						
	36	↓		10						N						
	12/23/75	25	1 T ACCEL	100%						0-50	AW2	SF0002	S		TAPE A-2, B-2	
		2	↓												N	NOM. Y 550 VOLTS
		3	↓												S	550 VOLTS
		4	↓												N	MIN Y 490 VOLTS
		5	↓												S	485 VOLTS
		6	↓												S	485 VOLTS
		7	↓												N	MAX Y 685 VOLTS
		8	↓												S	700 VOLTS
		9	↓												N	700 VOLTS
		10	↓												S	700 VOLTS
		11	↓												N	NOM. Y 550 VOLTS
	1/5/76	26	4 DRIFT TEST	100%						50-37	AW2	SF0002	N		TAPE A-3 B-3	
5		↓		50-38	S											
6		↓		37-22	N											
7		↓		38-25	S											
8		↓		22-0	N											
9		↓		25-0	S											



SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 10 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
1/5/76	26	10	100%	30	AW2	SF0002	N		
		11							
		12							
		13							
		14							
		15							
		16							
		17							
		18							
		19							
		1							
2									
3									
1/7/76	27		100%		AW3	SF0002			"A" CAR VERTICAL OSCILLATION OF 3-4 CPS DUE TO AW3 WEIGHT.
1/9/76	28	1	100%	30	AW3	SF0002	N		
		2		50					
		3		50					
1/12/76	29	CAB SIGNAL			AW2	SF0002			
		1 THRU 18 TEST 4-2							
		19 THRU 23 TEST 4-1							
		24 THRU 42 TEST 4-2A							
43 THRU 50 TEST 4-3									
1/12/76	30	CAB SIGNAL			AW2	SF0002			
		1 THRU 9 TEST 4-3							
		10 THRU 28 TEST 4-3A							
		29,30 TEST 4-1							
		31,32 TEST 4-3A							
		33 THRU 42 TEST 4-3B							
43 THRU 46 TEST 3-1									



SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 12 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:	
V21/76	35	25	↓	50	AW3	SF0002	↓		TAPE A-3, B-3	
		26		TRACK BRAKE						28
		27		↓						10
		28		↓						20
		29		↓						48
		30		N.G.						30
		31		TRACK BRAKE						10
		32		↓						38
		33		↓						21
		34		↓						30
		35		↓						38
		36		↓						20
		37		↓						29
		38		↓						29
		39		FRICION BRAKE						48
		40		↓						29
		41		↓						20
		42		↓						48
		43		↓						29
		44		↓						20
		45		↓						38
		46		↓						38
		47		SPEED CALIB						48
		48		↓						48
		49		↓						29
50	↓	29								
V22/76	36	No DATA	100%		AW3	SF0002				
V23/76	37	1	↓	0-50	AWO	SF0002	↓		TAPE A-3, B-3	
		2		ACCEL						100%
		3		↓						50%
		4		↓						50%
		5		↓						100%
		6		↓						30
		7		↓						30
		8		↓						20
		9		F.S. BRAKE						30
		10		↓						30
		11		↓						20
		12		↓						30
		13		↓						40
		14		↓						30

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 13 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:	
1/23/76	37. 15	F.S. BRAKE	100%	40	AWO	SF0002	S		TAPE A-3 B-3	
	16	↓	100%	50						N
	17	↓	100%	50						N
	18	↓	50%	30						N
	19	↓	↓	20						N
	20	↓	↓	30						S
	21	↓	↓	20						S
	22	↓	↓	30						N
	23	↓	↓	30						S
	24	FRICION	100%	20						S
	25	↓	↓	20						N
26	↓	↓	30	N						
27	↓	↓	30	S						
28	↓	↓	40	S						
29	↓	↓	40	N						
1/24/75	38. 1	FRICION BRAKE	100%	50	AWO	SF0002	S		TAPE A-4, B-4	
	2	↓	100%	50						N
	3	↓	50%	20						N
	4	↓	↓	20						S
	5	↓	↓	30						S
	6	↓	↓	30						N
	7	↓	↓	30						S
	8	↓	↓	40						S
	9	↓	↓	40						N
	10	↓	↓	30						N
	11	↓	↓	50						S
	12	↓	50%	50						N
	13	SPEED CALIB	100%	50						S
	14	↓	↓	50						N
	15	↓	↓	40						S
	16	↓	↓	40						N
	17	↓	↓	30						S
18	↓	↓	30	N						
19	DYNAMIC BRAKE	↓	20	S						
20	↓	↓	30	S						
21	↓	↓	20	N						
22	↓	↓	30	N						
23	↓	↓	40	S						
24	↓	↓	40	N						
25	↓	↓	50	S						
26	↓	↓	50	N						

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 14 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
1/27/76	39	1 T DYNAMIC	50%	20	AWO	SF0002	N		TAPE A-4, B-4
		2		30			N		
		3		20			S		
		4		30			S		
		5		40			N		
		6		40			S		
		7		50			N		
		8		50			S		
		9 TRACK BRAKE	100%	20			S		
		10		20			N		
		11		30			N		
		12		10			N		
		13		10			S		
		14		30			S		
		15		30			S		
		16		40			S		
		17		40			N		
		18		50			S		
		19		50			N		
		20		50			N		
		21 EMERGENCY		50			N		
		22		50			N		
		23		50			N		
		24		40			N		
		25		30			N		
		26		40			S		
		27		20			S		
		28		30			S		
		29		20			N		
		30		10			N		
		31		10			N		
		32		10			S		
		33 T		10			S		
		34 PANOGRAPH MOVES		10			S		
		35		10			N		
		36		20			S		
		37		20			N		
		38		30			S		
		39		30			N		
		40		40			S		
		41		40			N		
		42		40			S		
		43		40			N		

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 15 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
1/28/76	40	2 CAR TRAN	100%		AWO	SF0002 SF0003			NO DATA SEVERE JERKING CAR TO CAR ON ACCEL.
1/29/76	41	ACCEL	100%		AWO	SF0002			GARRETT MODIFICATIONS TO ECU NO DATA EXPLORATORY ONLY.
1/30/76	42	1 ACCEL 2 ↓ 3 ↓ 4 ↓ 5 MIN ACCEL 6 DYNAMIC BRAKE 7 ↓ 8 ACCEL/DECEL 9 CONST SPEED 10 ↓ 11 ↓ 12 ↓ 13 ↓ 14 MIN ACCEL 15 ACCEL/DECEL 16 CONST SPEED	100%	0-30-0 ↓ 0-30-0 ↓ 30 ↓ 0-20-0 ↓ 15 30 ↓ 10 30 ↓ 0-30 0-20 25/10/5	AWO	SF0002	S S S S N N N N N S S S		GARRETT MODIFICATIONS FOR 3.0 ACCEL. RATE
2/2/76	43	1 MAX ACCEL 2 ↓ 3 ↓ 4 ↓ 5 ↓ 6 ↓ 7 ↓ 8 ↓ 9 ↓ 10 ↓ 11 ↓	100%	0-50 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	AWO	SF0002 SF0002+3 SF0002+3	N N-S N N S S S N S S N	515 480 480 435  565 560 580 580	OPPOSITE DIRECTIONS COUPLED PROP DISABLE JERKING 2 QSD'S WEST GEN. ON SLIGHT JERKING TE. PAUSES AT HIGH SPEED
2/3/76	44	1 ACCEL 2 ↓ 3 ↓ 4 ↓ 5 F.S. BRAKE	100%	0-50 0-50 0-44 0-50 50-0	AWO	SF0002 SF0003	N S S N S	570	WEST GEN + DOT001 PROP DISABLE

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE + NOISE

SHEET 16 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
2/4/76	45	1 ACCEL	100%	0-50	AWO	SF0002	N	*NON DOT ON SETTING 590	TAPE A-4, B-4 DOT 001 ONLY
		2 ↓	↓	↓	↓	↓	N		
		3 ↓	↓	↓	↓	↓	N		
		4 ↓	↓	↓	↓	↓	S		
		5 ↓	↓	↓	↓	↓	S		
		6 ↓	↓	↓	↓	↓	S		
		7 ↓	↓	↓	↓	↓	S		
		8 ↓	↓	↓	↓	↓	S		
		9 ↓	↓	↓	↓	↓	S		
		10 ↓	↓	↓	↓	↓	S		
		11 ↓	↓	↓	↓	↓	N		
		12 ↓	↓	↓	↓	↓	N		
		13 CONTROL RESPONSE	↓	↓	↓	↓	N		
		14 ↓	↓	↓	↓	↓	N		
		15T ↓	↓	↓	↓	↓	N		
		16T ↓	↓	↓	↓	↓	N		
		17 ↓	↓	↓	↓	↓	N		
		18 ↓	↓	↓	↓	↓	N		
		19T ↓	↓	↓	↓	↓	N		
		20T ↓	↓	↓	↓	↓	N		
		21 SPEED CALIB	↓	↓	20	↓	S		
		22 ↓	↓	↓	30	↓	N		
		23 ↓	↓	↓	40	↓	S		
		24 ↓	↓	↓	40	↓	N		
2/5/76	46	DUTY CYCLE PRACTICE							
2/9/76	47	1 NOISE TEST	100%	40	AWO	SF0002	N		
		2 ↓	↓	35	↓	↓	S		
		3 ↓	↓	40	↓	↓	N		
		4 ↓	↓	40	↓	↓	S		
2/10/76	48	1 WAYSIDE NOISE	100%	40	AWO	SF0002	S		
		2 ↓	↓	40	↓	↓	N		
		3 ↓	↓	40	↓	↓	S		
		4 ↓	↓	40	↓	↓	N		
		5 ↓	↓	40	↓	↓	S		
		6 ↓	↓	40	↓	↓	N		
		7 ↓	↓	40	↓	↓	S		
		8 ↓	↓	40	↓	↓	N		

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: NOISE

SHEET 17 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
2/11/76	49	NOISE	100 %	40	AWO	SF0002	N		
	1	100, 50'		40			S		
	2			40			H		
	3			40			S		
	4			40			N		
	5			40			S		
	6			40			N		
	7			40			S		
	8			40			N		
	9			40			S		
	10	MOVIES		40			N		
	11			40			S		
	12			30			N		
	13			30			S		
	14			20			N		
	15			20			S		
	16			20			N		
	17			20			S		
	18	AIR COMP OFF		20			N		
	19			20			S		
	20			10			N		
	21			10			S		
	22			0			N		
	23	AIR COMP ON		40			S		
	24			40			N		
	25	AIR COMP OFF		40			S		
	26	200, 400'		40			N		
	27			40			S		
	28			40			N		
	29	STA 300		40			S		
	30	15, 25'		40			N		
	31			40			S		
	32			40			N		
	33			40			S		
	34			40			N		
	35	HIGH SPEED MOVIES		40			S		
	36			40			N		
	37			30			S		
	38			30			N		
	39			20			S		
	40			20			N		
	41			10			S		
42			10			N			



SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: NOISE

SHEET 18 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
2/12/76	50	NOISE	100%		AWO	SF0002		580	INTERIOR NOISE TESTING ONLY DUE TO HIGH WINDS.
2/13/76	51	1 NOISE UNDERCAR EQUIPMENT ↓ 2 INTERIOR 3 4 5 6 7 ACCEL + FS. BRAKE 8 ACCEL 9 WALK-THRU 10 11 12 13	100%	0,15,25,35 15,25,35 50 50 0-50-0 0-20-0 40 40 40 40	AWO	SF0002	N S N S N S N S N S N S	580	WEST SIDE OF TRACK EAST SIDE OF TRACK ALL SYSTEMS ON
2/17/76	52	1 WAYSIDE NOISE 2 3 4 5 6 7 8 9 10 11 12 13 INTERIOR NOISE 14 15 16 17 18 19 20 21 ACCEL + FS. BRAKE 22 23	100%	40 40 40 50 40 40 40 30 20 10 10 20 15,25,35 15,25,35 50 50 15,25,35 15,25,35 50 50 0-50-0 0-50-0 0-20-0	AW3	SF0002	N S N S N S N S N S N S N S N S N S	580	SEAT LOCATIONS ↓

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: RIDE QUALITY

SHEET 19 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:		
2/23/76	53	1	100%	0	AW3	SF0002	N		TAPE A-7, B-7 CONCRETE TIE WELDED RAIL		
		2		RIDE QUALITY						10	S
		3		↓						20	S
		4		↓						30	S
		5		↓						40	S
		6		↓						10	N
		7		↓						20	N
		8		↓						30	N
		9		↓						40	N
		10		↓						50	S
		11		↓						50	N
		12		ACCEL						0-50	S
		13		↓						0-50	N
		14		F.S. BRAKE						50-0	S
		15		↓						50-0	N
2/25/76	54	1	100%	35	AW3	SF0002	N		TAPE A-7, B-7 CONCRETE TIE WELDED RAIL		
		2		RIDE QUALITY						40	N
		3		↓						45	S
		4		↓						50	S
		5		ACC. 5' IN 'B' CAR						35	N
		6		↓						40	N
		7		↓						45	N
		8		↓						45	S
		9		↓						50	S
		10		ACC. STA 290						35	N
		11		↓						40	N
		12		↓						45	S
		13		↓						50	S
		14		↓						45	N
		15		↓						50	N
		16		TRUCK ACCEL						35	S
		17		↓						40	S
		18		↓						45	N
		19		↓						50	N
		20		ACC. 4' OF DOOR & IN 'B' UNIT						35	S
		21		↓						40	S
		22		↓						45	N
		23		↓						50	N
		24		ACC. END OF PART OF SET						35	S
		25		↓						40	S
		26		↓						45	N
									JOINTED & WELDED		

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: RIDE QUALITY

SHEET 20 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
2/25/76	54								
	27	RIDE QUALITY	100%	30	AW3	SF0002	N		TAPE A-7, B-7 JOINTED / WELDED RAIL
	28	↓		50	↓	↓	S		
	29	↓		35	↓	↓	N		
	30	ACCEL. PAKS LAT. STR. 350		40	↓	↓	N		
	31	↓		45	↓	↓	N		
	32	↓		50	↓	↓	S		
	33	↓		10	↓	↓	S		
	34	↓		20	↓	↓	S		
	35	ORIGINAL INSTR.		30	↓	↓	S		
	36	↓		10	↓	↓	N		
	37	↓		20	↓	↓	N		
	38	↓		30	↓	↓	N		
	39	↓		40	↓	↓	S		
	40	↓		40	↓	↓	N		
	41	↓		50	↓	↓	S		
	42	↓		50	↓	↓	N		
	43	ACCEL.		0-50	↓	↓	S		
	44	ACCEL.		0-50	↓	↓	N		
	45	F.S. BRAKE		50-0	↓	↓	S		
	46	F.S. BRAKE		50-0	↓	↓	N		
2/26/76	55								
	1	RIDE QUALITY	100%	10	AW1	SF0002	N		TAPE A-7, B-7 WELDED RAIL CONCRETE TIES
	2	↓		20	↓	↓	N		
	3	↓		30	↓	↓	N		
	4	↓		35	↓	↓	N		
	5	↓		10	↓	↓	S		
	6	↓		20	↓	↓	S		
	7	↓		30	↓	↓	S		
	8	↓		35	↓	↓	S		
	9	↓		40	↓	↓	S		
	10	↓		40	↓	↓	N		
	11	↓		45	↓	↓	N		
	12	↓		50	↓	↓	N		
	13	↓		40	↓	↓	S		
	14	↓		45	↓	↓	S		
	15	↓		50	↓	↓	S		
	16	INTER CAR BODY ACC.		35	↓	↓	N		
	17	↓		40	↓	↓	N		
	18	↓		45	↓	↓	N		
	19	↓		50	↓	↓	N		
	20	ACC. FWD CAR STR. 350		35	↓	↓	S		

TYPE OF TEST: RIDE QUALITY

SHEET 21 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
2/26/76	55	21 ACC 6' FWD "B" CAR	100%	40	AWI	SF0002	S		WELDED RAIL CONCRETE TIES
	22	↓		45			S		
	23	↓		50			N		
	24	ACC STA 230 IN "B" CAR		35			S		
	25	↓		40			S		
	26	↓		45			S		
	27	↓		50			N		
	28	↓		35			S		
	29	ACC MOVED TO STA 230		40			S		
	30	↓		45			S		
	31	↓		50			N		
	32	ACC MOVED TO STA 342 "A" UNIT		35			S		
	33	↓		40			S		
	34	↓		45			S		
	35	↓		50			N		
	36	ACC MOVED STA 350 TORSIONAL		35			S		
	37	↓		40			S		
	38	↓		45			S		
	39	↓		50			N		
	40	TRUCK PICK-UPS		35			S		
	41	↓		40			S		
	42	↓		45			S		
	43	↓		50			N		
	44	BASIC CONFIG.		10			S		
	45	↓		20			S		
	46	↓		30			S		
	47	JOINTED RAIL-WOOD TIES		35			S		
	48	↓		40			N		
	49	↓		45			N		
	50	↓		50			S		
	51	↓		10			N		
	52	↓		20			N		
	53	↓		30			N		
	54	↓		35			N		
	55	↓		40			S		
	56	↓		45			S		
	57	↓		50			N		
	58	ACCEL		0-50			S		
	59	F.S. BRAKE		50-0			N		
	60	ACCEL.		0-50			N		
	61	F.S. BRAKE		50-0			N		
	62	BAGS DEF		10			S		
	63	" "		20			S		

JOINTED RAIL  
WOOD TIES

WELDED RAIL  
CONCRETE TIES

"A" TRUCK BAGS DEFL.  
"B" TRUCK BAGS DEFL.

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: RIDE QUALITY

SHEET 22 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
2/24/76	55								
	64	"A" & "B" BAGS DEFLATED	100%	30	AW1	SF0002	S		Tape A-7, B-7
	65	↓	↓	40	↓	↓	S		
	66	↓	↓	10	↓	↓	N		JOINTED RAIL WOOD TIE
	67	↓	↓	20	↓	↓	N		
	68	↓	↓	30	↓	↓	N		
	69	↓	↓	40	↓	↓	N		
	70	↓	↓	50	↓	↓	N		
	71	ALL BAGS	↓	10	↓	↓	S		
	72	↓	↓	20	↓	↓	S		
	73	↓	↓	30	↓	↓	S		
	74	↓	↓	40	↓	↓	N		
	75	↓	↓	50	↓	↓	N		
	76	↓	↓	40	↓	↓	S		
	77	↓	↓	50	↓	↓	S		
	78	"A" BAGS INFLATED	↓	10	↓	↓	N		
	79	↓	↓	20	↓	↓	N		
	80	↓	↓	30	↓	↓	N		
	81	↓	↓	40	↓	↓	N		
	82	↓	↓	10	↓	↓	S		
	83	↓	↓	20	↓	↓	S		
	84	↓	↓	30	↓	↓	S		
	85	↓	↓	40	↓	↓	S		
	86	↓	↓	50	↓	↓	N		
	87	↓	↓	50	↓	↓	S		
	88	CENTER DEFLATED	↓	10	↓	↓	N		"A" & "B" BAGS INFLATED
	89	↓	↓	20	↓	↓	N		
	90	↓	↓	30	↓	↓	N		
	91	↓	↓	10	↓	↓	S		
	92	↓	↓	20	↓	↓	S		
	93	↓	↓	30	↓	↓	S		
	94	↓	↓	40	↓	↓	S		
	95	↓	↓	40	↓	↓	N		
	96	↓	↓	50	↓	↓	N		
	97	↓	↓	50	↓	↓	S		
	98	"B" BAGS DEFLATED	↓	10	↓	↓	N		"A" & CENTER TRUCK INFLATED.
	99	↓	↓	20	↓	↓	N		
	100	↓	↓	30	↓	↓	N		
	101	↓	↓	40	↓	↓	N		
	102	↓	↓	10	↓	↓	S		
	103	↓	↓	20	↓	↓	S		
	104	↓	↓	30	↓	↓	S		
	105	↓	↓	40	↓	↓	S		
	106	↓	↓	50	↓	↓	N		
	107	↓	↓	50	↓	↓	S		



SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: RIDE QUALITY    PERFORMANCE + NOISE

SHEET 24 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:		
2/27/76	56	44T	100%	40	AW2	SF0002	S		TAPE A-7, B-7		
	45	STA 230 "B" UNIT		45						S	
	46	↓		50						S	
	47	STA 242 "A" UNIT		35						N	
	48	↓		40						N	
	49	↓		45						N	
	50	↓		50						N	
	51	↓		35						S	
	52	STA 350 FOR TORSION		40						S	
	53	↓		45						S	
	54	↓		50						S	
	55	↓		35						N	
	56	↓		40						N	
	57	↓		45						N	
58	↓	50	N								
3/1/76	57	1 PERFORMANCE ACCEL	100%	0-50	AWO	SF0002	N				
	2	↓		↓						↓	S
	3	↓		↓						↓	S
	4	↓		↓						↓	N
3/1/76	58	1 ACCEL	100%	0-50	AWO	SF0002 180082	S				
	2	↓		↓						↓	N
	3	↓		↓						↓	S
	4	↓		↓						↓	N
	5	F.S. BRAKE		50-0						↓	S
	6	↓		50-0						↓	N
3/2/76	59	1 WAYSIDE ACCEL	100%	0-50	AWO	SF0002 180082	N		TAPE A-7, B-7		
	2	↓		↓						↓	S
	3	↓		↓						↓	S
	4	↓		↓						↓	N
	5	↓		↓						↓	S
	6	↓		↓						↓	N
	7	F.S. BRAKE		↓						↓	S
	8	FRICTION		↓						↓	N
	9	F.S. BRAKE		50%						↓	S
	10	↓		100%						↓	N
	11	↓		↓						↓	S
	12	↓		↓						↓	S
	13	↓		↓						↓	N

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE + NOISE

SHEET 25 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES
3/2/76	59	F.S. BRAKE	100%	30	AWO	SF0002 MB0002	N		
	14	↓	↓	50					
	15	↓	↓	50					
	16	ACCEL	50%	0-45					
	17	↓	↓	0-45					
3/3/76	60	WAYSIDE NOISE	100%	50	AWO	SF0002 MB0002	N		30' WAYSIDE - WEST SIDE OF TRACK
	1	↓		40					
	2	↓		40					
	3	↓		30					
	4	↓		20					
	5	↓		10					
	6	↓		10					
	7	↓		50					
	8	↓		40					
	9	↓		30					
	10	↓		20					
	11	↓		10					
	12	↓		30					
	13	↓		40					
	14	↓		50					
	15	↓		20					
16	↓								
3/8/76	61	SLIP/SLIDE	100%	30-10	AWO	SF0002	S		NO SLIP/WATER ONLY
	1	F.S. BRAKE		30-0					
	2	↓		30-0					
	3	↓		50-0					
	4	↓		30-10					
	5	↓		30-10					
	6	↓		40-0					
	7	↓		0-30					
	8	ACCEL		40-0					
	9	F.S. BRAKE		40-0					
	10	↓		50-0					
	11	↓		40-0					
	12	↓		20-0					
	13	↓		0-30					
	14	ACCEL BASE		0-30					
	15	↓							
16	↓								



SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 26 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
3/9/76	62	PANTOGRAPH TEST							Tape A-4, B-5
3/10/76	63	SLIP/SLIDE SPEED CALIB	100%	30	AWO	SF0002	N		Tape A-5, B-5
	1		↓	30	↓	↓	S		
	2		↓	30	↓	↓	S		
	3		↓	50	↓	↓	S		
	4		↓	50	↓	↓	S		
	5	FRICION ONLY	↓	30	↓	↓	S		NO SLIP SLIDES
	6		↓	30	↓	↓	S		
	7		↓	30	↓	↓	S		
	8		↓	30	↓	↓	S		
	9		↓	40	↓	↓	S		
	10		↓	40	↓	↓	S		
	11		↓	50	↓	↓	S		
	12		↓	50	↓	↓	S		
	13		↓	50	↓	↓	S		1 RAIL WET
	14		↓	50	↓	↓	S		
	15		↓	50	↓	↓	S		SLIDES REFILL WATER ONLY
	16		↓	50	↓	↓	S		
	17		↓	50	↓	↓	S		
	18		↓	50	↓	↓	S		
	19		↓	40	↓	↓	S		
	20		↓	40	↓	↓	S		
	21		↓	20	↓	↓	S		
	22	NO GOOD	↓	20	↓	↓	S		
	23		↓	20	↓	↓	S		
3/11/76	64	SLIP/SLIDE FRICION ONLY	100%	20	AWO	SF0002	S		Tape A-5, B-5
	1		↓	20	↓	↓	S		NO SLIP
	2		↓	20	↓	↓	S		" "
	3		↓	20	↓	↓	S		" "
	4		↓	40	↓	↓	S		SLIDES
	5		↓	20	↓	↓	S		
	6		↓	20	↓	↓	S		
	7		↓	20	↓	↓	S		
	8		↓	20	↓	↓	S		
	9		↓	20	↓	↓	S		
	10		↓	20	↓	↓	S		
	11		↓	20	↓	↓	S		
	12		↓	20	↓	↓	S		
	13		↓	20	↓	↓	S		
	14	F.S. BRAKE	↓	50	↓	↓	S		
	15		↓	50	↓	↓	S		2 PPS / 50 GAL SLIDES

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 27 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
3/11/76	64	SLIP/SLIDE							Tape A-5, B-5
	16	F.S. BRAKE	100%	30	AWO	SF0002	S		
	17	↓	↓	30	↓	↓	S		
	18	↓	↓	30	↓	↓	S		
	19	↓	↓	30	↓	↓	S		
	20	↓	↓	30	↓	↓	S		
	21	↓	↓	20	↓	↓	S		
	22	↓	↓	20	↓	↓	S		
	23	↓	↓	20	↓	↓	S		
	24	↓	↓	20	↓	↓	S		
	25	↓	↓	20	↓	↓	S		
	26	↓	↓	15	↓	↓	S		
	27	↓	↓	15	↓	↓	S		
	28	↓	↓	15	↓	↓	S		
	29	↓	25%	15	↓	↓	S		
	30	ACCEL			0-30			S	NO SLIPS
	31	↓			0-30			S	↓
	32	↓			0-30			S	
	33	↓			0-30			S	
34	F.S. BRAKE			50			S	SLIDES	
35	↓			50			S	↓	
36	↓			50			S		
37	↓			40			S		
38	↓			40			S	↓	
3/15/75	65	SLIP/SLIDE							Tape A-5, B-5
	1	F.S. BRAKE	100%	40	AWO	SF0002	S		ALL TRUCKS NOT SLIDING 2 NOZZLES A TRUCK
	2	↓	↓	40	↓	↓	S		
	3	↓	↓	40	↓	↓	S		
	4	↓	↓	40	↓	↓	S		
	5	↓	↓	40	↓	↓	S		
	6	↓	↓	40	↓	↓	S		
	7	FRICION ONLY			40			S	
	8	F.S. BRAKE			40			N	
	9	↓			40			S	
	10	↓			40			N	
	11	↓			40			S	
	12	↓			40			S	
	13	↓			40			S	
	14	↓			40			S	
	15	ACCEL			0-30			S	5 PTS. LOC/55 GAL
	16	↓			0-30			S	NO SPIN
17	↓			0-30			S	↓	

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 23 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
3/15/75	65	SLIP/SLIDE	100%	0-30	AWO	SF0002	S		NO SPIN STRAIGHT LOC SPIN TO BASE SPEED
		ACCEL							
		↓							
		↓							
3/16/76	66	TRAIN LINE PERFORMANCE DYNAMIC ONLY	100%	30	AWO	SF0002 SF0003	S S S N S S N S S N S S N S S N		TAPE A-5, B-5
		↓	↓	40					
		↓	↓	50					
		↓	↓	50					
		↓	50%	50					
		FRICION ONLY	100%	30					
		↓	↓	30					
		↓	↓	40					
		↓	↓	50					
		↓	↓	47					
		↓	50%	50					
		EMERGENCY	100%	50					
		↓	↓	50					
		↓	↓	50					
		↓	↓	40					
		↓	↓	30					
		↓	↓	30					
3/17/76	67	FRICION + TRACK	100%	50	AWO	SF0002	N N S S S S S S		
		↓		40					
		↓		48					
		↓		50					
		↓		40					
		↓		30					
		↓		20					
		↓		30					
		TRACK ONLY		↓					
3/18/76	68	F.S. BRAKE	100%	50	AW3	SF0002 SF0003	S N S S S S S S N		TAPE A-b, B-b
		↓	100%	49					
		↓	75%	50					
		↓	50%	50					
		↓	25%	50					
		↓	100%	40					
		↓	↓	30					
		DYNAMK	↓	50					
		↓	↓	50					

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 29 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:				
3/18/76	68								TAPE A-6, B-6				
	10	DYNAMIC	75%	50	AW3	SF0002 SF0003	S						
	11	↓	50%	50			S						
	12	↓	25%	50			S						
	13	EMERGENCY	100%	50			S						
	14	↓		50			S						
	15	↓		30			N						
	16	↓		30			S						
	17	TRACK BRK		30			S						
	18	↓		30			N						
	19	↓		30			N						
	20	ACCEL		0-50			S						
	21	↓		0-50			N						
	22	↓		0-50			N						
	23	↓		0-50			S						
	24	FRICION	100%	50			N						
	25	↓	100%	50			N						
	26	↓	75%	50			S						
	27	↓	50%	50			S						
	28	↓	25%	50			S						
	29	↓	100%	50			N						
	30	↓	100%	50			S						
	31	↓	100%	50			S						
	32	↓	75%	50			S						
	33	↓	50%	50			S						
	34	↓	50%	50			S						
	35	↓	25%	50			S						
	3/19/76	69											TAPE A-6, B-6
		1	FS. BRAKE	100%			20	AW3		SF0002	S		
		2	↓	75%			20				S		
		3	↓	50%			20				S		
		4	↓	25%			20				S		
		5	↓	100%			30				S		
		6	↓	75%			30				S		
		7	↓	75%			30				S		
8		↓	50%	30			S						
9		↓	25%	30	S								
10		↓	100%	40	S								
11		↓	75%	40	S								
12		↓	50%	40	S								
13		↓	25%	40	S								
14		↓	100%	50	S								
15	↓	75%	50	S									

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 30 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
3/19/76	69	16	F.S. BRAKE	75%	50	AW3	SF0002		TAPE A-6, B-6
		17	↓	50%	50				
		18	↓	25%	50				
		19	FRICTION ONLY	100%	20				
		20	↓	75%	20				
		21	↓	50%	20				
		22	↓	25%	20				
		23	↓	100%	30				
		24	↓	75%	30				
		25	↓	50%	30				
		26	↓	25%	30				
		27	↓	100%	40				
		28	↓	75%	40				
		29	↓	50%	40				
		30	↓	25%	40				
		31	↓	100%	50				
		32	↓	75%	50				
		33	↓	50%	50				
		34	↓	25%	50				
		35	DYNAMIC	100%	50				
		36	↓	75%	50				
		37	↓	50%	50				
		38	↓	25%	50				
		39	↓	100%	40				
		40	↓	75%	40				
		41	↓	50%	40				
		42	↓	25%	40				
43	↓	100%	30						
44	↓	75%	30						
45	↓	50%	30						
46	↓	25%	30						
3/20/76	70 1 THRU 43	EMERGENCY BRAKE INVESTIGATION TR #017			AW3	SF0002	CAR IN TMB		
					↓	↓			
3/22/76	71	1	No Goes			AW3	SF0002		TAPE A-6, B-6 31-LEVEL CONNECTED
		2	F.S. BRAKE	100%	50				
		3	↓		50				
		4	↓		20				
		5	↓		50				



SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 32 OF 36

DATE	TEST NO. REC NO. NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
3/23/76	72								TAPE A-8 , B-8
	16	DYNAMIC ONLY	25%	50	AW3	SF0002	S		
	17		↓	20	↓	↓	S		
	18			40			S		
	19	N.G.		30			S		
	20	DYNAMIC ONLY		30			S		
	21			20			S		
	22		100%	50			Z		
	23			20			Z		
	24			40			Z		
25			30			Z			
3/23/76	73								
	1	AUTO SPEED CONT		50,35,10			Z		
	2			50			Z		
	3			50			Z		
	4			35			Z		
	5			35			Z		
	6			15			Z		
	7			20			Z		
	8	N.G.					Z		
	9	N.G.		20			Z		
	10			20			Z		
	11	N.G.		35			Z		
	12			35			X		
	13			50			Z		
	14			50			Z		
	15			50			Z		
16			35			Z			
3/24/76	74								TAPE A-8 , B-8
	1	F.S. BRAKE	100%	50	AW3	SF0002	Z		
	2		100%	30	↓	↓	Z		
	3	ACCEL	50%	0-50			Z		
	4		50%	0-50			S		
	5	SPRING BRK TOW TEST		-			Z		
	6			-			Z		
	8			-			TMB TMB		
3/25/76	75								MOVED BY LOCOMOTIVE
	1	SPRING BRAKE TOW TEST			AW3	SF0002	TMB		
	2				↓	↓	↓		
	3								
	4								
	5								
	7								
								NEW CENTER TRUCK ACTUATORS	

SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 33 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
3/25/76	76	1 EMERGENCY 2 CONTROL RESPONSE 3 4 5 6	100%		AW3	SF0002			TAPE A-8, B-8 OPTION 1 OPTION 2
3/24/76	77	1 EMERGENCY 2 3 4 5 6 7 8 9 CONTROL RESPONSE 10 11 12 13 POWER ISOLATION GAP 14 15 16 17 18	100%	0 50 30 20 10 40 30 0 30 26	AW3	SF0002 SF0003	S S S S S S S		TAPE A-8, B-8 OPTION 1 OPTION 1 OPTION 2 OPTION 2 ACCEL DECEL STEADY DECEL
3/29/76	78	1 DUTY CYCLE	100%		AW2	SF0002			TAPE A-8, B-8 ABORTED DEAD PROPULSION
3/30/76	79	1 EMERGENCY 2 BLENDED BRAKE	100%		AW3	SF0002	S		TAPE A-9, B-9
3/31/76	80	1 ACCEL 2 FS. BRAKE 3 4 5 6 CONTINUOUS SPEED 7	100%	0-50 30 40 35 30 50 54	AW3	SF0002	N S N S		TAPE A-9, B-9



SLRV ENGINEERING TEST RUN LOG

SF0002

TYPE OF TEST: PERFORMANCE

SHEET 34 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR- ECT.	LINE VOLTS	NOTES:		
4/1/76	81	1	FS. BRAKE	100%	50	AW3	SF0002	S	TAPE A-9, B-9 MODIFIED EMERGENCY BRK		
		20									
		30									
		10									
		50									
		40									
		7	EMERGENCY	50	S						
		8		20							
		9		10							
		10		30							
		11		50							
		12		40							
		13	NO GOOD EMERGENCY		45	S	S	TEST REQUEST*			
		14								45	
		15								45	
4/2/76	82	1	ACCEL	100%	0-50	AW2	SF0002		S	TAPE A-9, B-9	
		2			0-50						N
		3			BLENDED BRAKE						
		4	20								
		5	20								
		6	50								
		7	40								
		8	30								
		9	30								
		10	50								
		11	20								
		12	50	N							
		13	1								
		14	50								
		15	50	S							
		16	50								
		17	50								
		18	50%	20	S						
		19	40								
		20	30								
		19	FRICTION	100%	50			S			
		20		50%	50						
		21		100%	50						
		22			1					N	
		23			50						
		24			50						
		25	50%	50	S						
26	50										
26	EMERGENCY	100%	50-	S							
27			50		N						

SLRV ENGINEERING TEST RUN LOG

SF 0002

TYPE OF TEST: PERFORMANCE

SHEET 35 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT	LINE VOLTS	NOTES:
4/2/76	82	28 EMERGENCY	100%	50	AW2	SF0002 SF0003	S N E S		ABORTED PANTS BOUNCE
	29 DYNAMIC	100%	50						
	30 BRAKE	100%	50						
	31	50%	50						
	32 DUTY	100%	50						
4/3/76	83	1 COUPLING TEST			AW2	SF0002 SF0003			PER. TEST REQUEST #19
4/5/76	84	1 DUTY	100%		AW2	SF0002			TAPE A-10, B-10
	2 CYCLE	↓							
	3 THERMAL OVERLOAD	↓							
4/5/76	85	BRAKE TEST			AW2	SF0002			ADJUST & CHECK BRAKES OF CENTER TRUCK
4/6/76	86	1 ACCEL	100%		AW2	SF0002 SF0003	N S I N S I N S S S S S S S S S S S S S S S		TAPE A-11, B-11 NO GOOD NO GOOD GENERATOR PRELOAD
	2	↓	↓						
	3								
	4	FS. BRAKE							
	5	↓		50					
	6	↓		50					
	7		50%	50					
	8	FRICTION	100%	50					
	9	↓		50					
	10	↓		50					
	11		50%	50					
	12	FS. BRAKE	100%	40					
	13	↓		40					
	14	↓		30					
	15			20					
	16	↓		40					
	17	DRIFT TEST		50					
	18	↓		50					
	19	↓		50					
	20	↓		40					
	21	↓		40					
	22	↓		25					
	23	↓		25					

SLRV ENGINEERING TEST RUN LOG

SF 0002 & SF0003

TYPE OF TEST: PERFORMANCE

SHEET 36 OF 36

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
	87	CAB SIGNAL	100% ↓						
5/14/76	88	TRUCK SHOCK TEST			AW2 ↓	SF0002 ↓			
5/24/76	89	DRIFT-TEST	100% ↓	50 46 41 30 16 50 41	AW2 ↓	SF0002 ↓			ZZZZS
	1 2 3 4 5 6 7	↓ ↓ ↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓ ↓ ↓		↓ ↓ ↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓ ↓ ↓			

**B. TOTAL TEST LOG ON CAR SF0003**

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX. or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
11/4/75	5								
	1	ACCEL	100%	0-50	AWO	SF0003	S		
	2	↓	↓	0-50	↓	↓	N		
	3	↓	↓	0-50	↓	↓	S		
	4	↓	↓	0-50	↓	↓	N		
	5	SPEED CALIB.	↓	50	↓	↓	S		
	6	↓	↓	50	↓	↓	N		
	7	↓	↓	40	↓	↓	S		
	8	↓	↓	40	↓	↓	N		
	9	↓	↓	30	↓	↓	S		
	10	↓	↓	30	↓	↓	N		
	11	↓	↓	30	↓	↓	S		
	12	F.S. BRAKE	↓	30	↓	↓	N		
	13	↓	↓	30	↓	↓	S		
	14	↓	↓	40	↓	↓	N		
	15	↓	↓	40	↓	↓	S		
	16	FRICION ONLY	↓	40	↓	↓	N		
	17	F.S. BRAKE	↓	40	↓	↓	S		
	18	F.S. BRAKE	↓	40	↓	↓	N		
	19	FRICION ONLY	↓	40	↓	↓	S		
	20	↓	↓	40	↓	↓	N		
	21	↓	↓	40	↓	↓	S		
	22	↓	↓	40	↓	↓	N		
	23	DYN. ONLY	↓	40	↓	↓	S		
	24	↓	↓	40	↓	↓	N		
	25	EMERGENCY	↓	40	↓	↓	S		
	26	↓	↓	30	↓	↓	N		
	27	↓	↓	40	↓	↓	S		
	28	↓	↓	30	↓	↓	S		
	29	ACCEL	↓	0-50	↓	↓	N		
	30	↓	↓	0-50	↓	↓	S		
31	↓	↓	0-50	↓	↓	N			
11/7/75	6								
	1	ACCEL	100%	0-50	AWO	SF0003	N		
	2	↓	↓	↓	↓	↓	S		
	3	↓	↓	↓	↓	↓	N		
	4	↓	↓	↓	↓	↓	S		
	5	↓	↓	↓	↓	↓	N		
	6	↓	↓	0-50	↓	↓	S		
	7	F.S. BRAKE	↓	↓	↓	↓	N		
	8	↓	↓	↓	↓	↓	S		
	9	↓	↓	↓	↓	↓	N		
10	↓	↓	↓	↓	↓	S			

SLRV ENGINEERING TEST RUN LOG

SF0003

TYPE OF TEST: PERFORMANCE

SHEET 2 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
11/7/75	6								
	11	FRICION	100%	38.5	AWO	SF0003	N		
	12	↓	↓	31	↓	↓	N		
	13	F.S. BRAKE	↓	40	↓	↓	S		
	14	FRICION	↓	31	↓	↓	S		
	15	↓	↓	40	↓	↓	S		
	16		↓	30.5	↓	↓	S		
	17	EMERGENCY	↓	40	↓	↓	N		
	18	↓	↓	31	↓	↓	N		
	19		↓	30	↓	↓	N		
	20		↓	47	↓	↓	S		
	21		↓	30	↓	↓	S		
	22		↓	30	↓	↓	S		
	23	DYNAMIC	↓	48.5	↓	↓	N		
	24	↓	↓	48	↓	↓	S		
	25	ACCEL	↓	-	↓	↓	-		ACCELEROMETER MOVED.
	26	↓	↓	-	↓	↓	-		
	27		↓	-	↓	↓	-		
	28		↓	0-50	↓	↓	S		
29		↓	0-50	↓	↓	N			
11/13/75	7								
	1	F.S. BRAKE	100%	35	AWO	SF0003	N		
	2	↓	↓	35	↓	↓	N		
	3		↓	35	↓	↓	N		
	4		↓	35	↓	↓	N		
	5		↓	35	↓	↓	S		
	6		50%	35	↓	↓	S		
	7	FRICION	↓	35	↓	↓	S		
	8	↓	↓	35	↓	↓	S		
	9	TRACK BRK	↓	35	↓	↓	S		
	10	↓	↓	35	↓	↓	S		
	11	F.S. BRAKE	↓	35	↓	↓	N		
	12	FRICION	↓	35	↓	↓	N		
	13	↓	↓	35	↓	↓	N		
14		↓	35	↓	↓	N			
15	CONST. SPEED	↓	50	↓	↓	S			
16	↓	↓	50	↓	↓	N			
17	EMERGENCY	↓	35	↓	↓	S			
18	↓	↓	35	↓	↓	S			
19		↓	35	↓	↓	S			
20		↓	35	↓	↓	S			
21	TRACK BRK.	↓	35	↓	↓	S			
22	EMERGENCY	↓	35	↓	↓	N			

TYPE OF TEST: PERFORMANCE

SHEET 3 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
11/13/75	7	23 EMERGENCY	100 %	50	AWO	SF0003	N		
		24 ↓		10			N		
		25 ↓		10			N		
		26 TRACK		35			N		
		27 FS. BLEND TRACK		35/15			N		
		28 EMERGENCY		50			N		
		29 ↓		35			N		CENTER AIR BAGS DOWN
11/21/75	8	1 ACCEL	100%	0-50	AWO	SF0003	N		
		2 ↓		0-50			S		
		3 EMERGENCY		35			N		
		4 ↓		35			N		
		5 ↓		35			S		
		6 ↓		35			S		
		7 ACCEL		0-50			N		
		8 FRICTION		35			N		
		9 ↓		35			N		
		10 ↓		35			S		
		11 ↓		35			S		
		12 ACCEL		0-50			N		
		13 ↓		0-50			S		
		14 EMERGENCY		35			N		
	15 ↓		35			N			
	16 ↓		35			N			
	17 ↓		36.5			S			
	18 ↓		35.5			S			
	19 ↓		35			S			
	20 FS + TRACK		35/20			S			
	21 ↓		35/20			N			
12/2/75	9	1 SPEED CALIB	100%	40	AWO	SF0003	N		
		2 ↓		40			S		
		3 FRICTION		30			N		
		4 ↓		30			N		
		5 ↓		30			N		
		6 EMERGENCY		30			N		
		7 ↓		30			S		
		8 ↓		20			S		
		9 ACCEL		0-50			S		
		10 ↓		0-50			N		
		11 ↓		0-50			S		
	12 ↓		0-50			N			

SLRV ENGINEERING TEST RUN LOG

SF0003

TYPE OF TEST: PERFORMANCE NOISE & RFI

SHEET 4 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	*P* SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:	
12/2/75	9	13	EMERGENCY ↓	100%	30	AWO	SF0003	N		
		14	ACCEL ↓		30	↓	↓	S		
		15	ACCEL ↓		0-50			S		
		16			0-50			N		
		1	SPEED CALIB	100%	30	AWO	SF0003	N		
		2	↓		40			N		
		3	↓		49			N		
12/4/75	10	4	ACCEL		20			N		
		5	↓		0-50			N		
		6	↓		0-50			N		
		7	↓		0-50			N		
		8	F.S. BRAKE		0-50			N		
		9	↓		30			S		
		10	↓		30			S		
		11	↓		50			S		
		12	↓		50			N		
		13	DYNAMIC BRK		30			N		
		14	↓		30			S		
		15	↓		50			S		
		16	↓		50			S		
		17	FRACTION BRK		30			N		
		1/9/76	11	CAB SIGNAL	100%		AW2	SF0003		
		2/13/76	12	INTERIOR NOISE SURVEY	100%		AWO	SF0003		
				↓						
4/12/76	13	RADIO FREQUENCY INTERFER.	100%		AW2	SF0003				
4/13/76	14	RADIO FREQUENCY INTERFER.	100%		AW2	SF0003				
		↓								
4/21/76	15	RADIO FREQUENCY INTERFER	100%		AW2	SF0003				
4/22/76	16	RADIO FREQUENCY INTERFER	100%		AW2	SF0003				
		↓								



SLRV ENGINEERING TEST RUN LOG

SF0003

TYPE OF TEST: PERFORMANCE + RFI

SHEET 5 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
4/27/76	17	CAB SIGNAL	100% ↓		AW2 ↓	SF0003			
4/28/76	18	CAB SIGNAL	100% ↓		AW2 ↓	M80002 SF0002 SF0003			
4/29/76	19	CAB SIGNAL	100% ↓		AW2 ↓	M80002 SF0002 SF0003			
4/30/76	20	CAB SIGNAL	100% ↓		AW2 ↓	M80002 SF0002 SF0003			
5/3/76	21	CAB SIGNAL	100% ↓		AW2 ↓	M80002 SF0002 SF0003			
5/4/76	22	CAB SIGNAL	100% ↓		AW2 ↓	M80002 SF0002 SF0003			
5/6/76	23	RADIO FREQUENCY INTERFER	100% ↓		AW2 ↓	SF0003			
6/1/76	24	1 PERFORMANCE ACCEL 2 ACCEL 3 F.S. BRAKE 4 FRICTION 5T ACCEL F.S. BRK 6T " "	100% ↓	50 50 35 35 35 50	AW2 ↓	SF0003	S N N S S N		TAPE A-16, B-16
6/8/76	25	1 DRIFT TEST 2 3 4 5 6 7 8 9 F.S. BRAKE 10 BCP CHECK	100% ↓	50 50 40 40 27 27 5 5 35 35	AW2 ↓	SF0003	S N S N S N S N S S		TAPE A-16, B-16



SLRV ENGINEERING TEST RUN LOG

SF 0003

TYPE OF TEST: PERFORMANCE

SHEET 7 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	*P SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
6/16/76	31	EMERGENCY BRAKE	100%	50	AW2	SF0003 MB0002	S Z S S S S S S S S S S S		TAPE A-15, B-15  TR #036 MEASUREMENT OF ARMATURE CURRENT IN 2-CAR TRAIN OPN.  No Good
	1			50					
	2			50					
	3			40					
	4			20					
	5			30					
	6	ACCEL		0-50					
	7	DECEL		50-0					
		ACCEL		0-30					
		DECEL		30-0					
		ACCEL		0-50					
		DECEL		50-0					
		ACCEL		0-30					
	DECEL	30-0							
	ACCEL	0-50							
	DECEL	50-0							
	ACCEL	0-30							
	DECEL	30-0							
	ACCEL	0-50							
	DECEL	50-0							
	ACCEL	0-30							
	DECEL	30-0							
6/17/76	32	ACCEL	100%	0-50	AW3	SF0003 MB0002	Z S Z Z Z Z Z Z Z Z Z Z		TAPE A-15, B-15
	1		100%	0-50					
	2		50%	40					
	3		75%	40					
	4			40					
	5	BLENDED		30					
	6	DECEL		20					
	7		50%	40					
	8			30					
	9			20					
	10			30					
	11			20					
	12		25%	40					
	13	ARM CURRENT	-	-	AW0		Z		
	14	DECEL (Fr)	100%	50			S		
	15	TOW MODE							
16	"								
6/18/76	33	FRICTION BRAKE	100%	50	AW0	SF0003 MB0002	N        S Z Z		TAPE A-15 B-15
	1		100%	50					
	2			40					
	3			30					
	4			20					
	5		50%	50					
	6			20					
	7		100%	20					
	8			30					
	9			30					
10	ARM CURRENT	-	-						

SLRV ENGINEERING TEST RUN LOG

SF 0003

TYPE OF TEST: PERFORMANCE & POWER CONSUMPTION SHEET 8 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
6/18/76	33 11 12 13	SPEED ↓	100	50 52 51	A W 0	SF003 M8002	N/S N S		TAPE A-15, B-15
6/21/76	34 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	CONTROL RESPONSE ↓ JERK LIMIT ↓ EMERGENCY BRAKE ↓	E ↓	30 40 50 20 30 10 50 20 10 40	A W 2	SF0003	N ↓ S S N ↓ S ↓ N		TAPE A-15, B-15
6/22/76	35	DUTY CYCLE			A W 2	SF0003			TAPE A-17, B-17 Low Accel Rate
6/23/76	36 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ACCEL ↓ DYN. BRK ACCEL ↓ SLIP/SLIDE FSB+TRK ↓ ACCEL ↓ POWER CONSUMPTION DUTY CYCLE BLENDING BRAKE ↓ ACCEL	100% ↓ 100% ↓ 100%	30 38 30 40 ↓ 20 10 20 10 50 40 40 ↓ 50 50	A W 2	SF0003	N S S ↓ N N N N S S N ↓ 480 ↓ 660	ADJUSTED FULL POWER VOLTAGE	TAPE A-17, B-17  TAPE A-18, B-18

SLRV ENGINEERING TEST RUN LOG

SF 0003

TYPE OF TEST: PERFORMANCE & POWER CONSUMPTION

SHEET 9 OF 9

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
6/24/76	37	1 ACCEL		50	AW2	SF0003		680	Tape A-18, B-18
	2	POWER CONSUMPTION							
	3	DUTY CYCLE						750	672V ~ MAX Accel. BLENDED BEARS
	4	DUTY CYCLE						575	Tape A-18 B-19 FRICTION ONLY BEARS
	5	DUTY CYCLE							
	6	DECEL FRICTION ONLY		50					
6/25/76	38	1 ACCEL	100%	50	AW2	SF0003	N	575	
	2	POWER CONSUMPTION		50			S		
	3	DUTY CYCLE BLENDED							Tape A-20, B-20
	4	DUTY CYCLE FRICTION ONLY							Tape A-21 B-21

C. TOTAL TEST LOG ON CAR MB0002

SLRV ENGINEERING TEST RUN LOG

MB 0002

TYPE OF TEST: PERFORMANCE, Noise & RFI

SHEET 1 OF 5

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
1-9-76	1 1 2 3 4 5 6 7 8 9 10	RECEL ↓ F.S. BRAKE ↓ EMERGENCY "	100%	0-50 ↓ 50 50 30 30 30 30	AWO	MB 0002	N S S S S S S S		
2-18-76	2 1 2 3	INTERIOR NOISE ↓	-	0 ↓	AW3	MB 0002	-		
2-19-76	3 1 2 3 4 5 6 7 8	NOISE SURVEY U/C EQUIP WAYSIDE " INTERIOR " WAYSIDE (WEST) " (EAST) " (" ) " "	-	0	AW3	MB 0002	-		COUPLED TO SF0002
4/7/76	4 1 21 22 48	R.F.I. CHECKOUT ↓ INTERIOR SURVEY		/	AWO	MB 0002			
4/8/76	5 1 21 22 66	R.F.I. CHECKOUT ↓ INTERIOR SURVEY		30	AWO	MB 0002			
4/9/76	6	R.F.I. NO TESTS			AWO	MB 0002			POWER SUPPLY SHORTED

SLRV ENGINEERING TEST RUN LOG

SHEET 2 OF 5

DATE	TEST NO.	REC NO.	TYPE OF TEST	"P" SIG	MAX ON INTL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
4/14/76	7		R.F.I. Extrem. or Interm. Supers	35		A.W.O.	H80002			
4/15/76	8		R.F.I. Extrem. or Interm. Supers	55		A.W.O.	H80002			Extrem. H. Rd. Interm. E. Field
4/16/76	9		R.F.I. WAYSIDE SWEET AT SOFT	50		A.W.O.	H80002			WAYSIDE HEIGHTENED AT STM 290 - SOFT FROM TANK F. (EAST)
4/19/76	10		R.F.I. WAYSIDE SWEET AT SOFT	50		A.W.O.	H80002			



SLRV ENGINEERING TEST RUN LOG

TYPE OF TEST: RFI

SHEET 3 OF 5

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX OR INITL SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
4/20/76	11	<u>RFI</u> 1 2 3 ↓ 92 93 WAYSIDE SUBWAY AT 100 FT ↓ W/S AT 100 FT	100%	≤ 50	AW0/AW2 ↓ AW0	M80002 <del>SF002</del> ↓ M80002	S ↓ ↓		2 CAR TRAIN STN 230', 100 FT FROM TRACK 2 ON EAST SIDE
4/23/76	12	1 ↓ 4 RFI WAYSIDE SUBWAY AT 100 FT (CHECKOUT ONLY)			AW0/AW2	M80002 <del>SF002</del>			TEST ABORTED.
5/5/76	13	1 ↓ 22 23 ↓ 58 59 ↓ 69 70 ↓ 80 81 ↓ 110 WAYSIDE 100 FT ↓ WAYSIDE 50 FT ↓ WAYSIDE 100 FT ↓ WAYSIDE 50 FT ↓ WAYSIDE 50 & 100 FT	~    ~   ~	50   50   0	AW0   AW0/AW2   AW2	M80002   <del>M80002</del> <del>SF002</del>   SF002	S   S   S		2 CAR TRAIN

SLRV ENGINEERING TEST RUN LOG

MB 0002

TYPE OF TEST: NOISE & POWER CONSUMPTION

SHEET 4 OF 5

DATE	TEST NO. REC NO.	TYPE OF TEST	"P" SIG	MAX or INITL. SPEED	CAR WEIGHT	CAR NO.	DIR-ECT.	LINE VOLTS	NOTES:
5/18/76	4	NOISE TEST WAYSIDE AMBIENT CONST VEL	-	0 50 50 40 40 30 30 20 20 10 10	AWO	MB0002			A/C ON.
	1			0					
	2			50			S		
	3			50			S		
	4			40			S		
	5			40			S		
	6			30			S		
	7			30			S		
	8			20			S		
	9			20			S		
	10			10			S		
	11			10			S		
	12	AMBIENT CONST VEL		50			S		A/C OFF
	13			50			S		
	14			40			S		
	15			40			S		
	16			40			S		
	17			30			S		
	18			30			S		
	19			20			S		
	20			20			S		
	21			10			S		
	22			10			S		
	23			0			S		
	24			0			S		
	25	AMBIENT		0			S		
5/19/76	15	POWER CONSUMPTION OF P.W. SYSTEMS	-	0	AWO	MB0002	-	~675V	
6/10/76	16	WAYSIDE NOISE AMBIENT CONST SPEED	-	0 50 50 40 40 30 30 20 20 10 10 0	AWO	MB0002	-		A/C OFF
	1			0					
	2			50			S		
	3			50			S		
	4			40			S		
	5			40			S		
	6			30			S		
	7			30			S		
	8			20			S		
	9			20			S		
	10			10			S		
	11			10			S		
	12			0			S		



APPENDIX I – DATA LOG

Collated by GVTP Test Number

Referencing – SLRV Test Number/Record Number

– Magnetic Tape Number

DATA LOG

TEST SET NO.	TEST NAME	WEIGHT	TEST NO.	RECORD NO.	TAPE NOS.	NOTES	
P-2001	Acceleration Performance	AWO	58	1-4		2 Car	
			37	4-8	A-5, B-3		
		AW2	59	1-4, 17, 18		2 Car	
			23	6-12	A-2, B-2		
				31 (SF3)	6-9	A-15, B-15	2 Car
				25	1-10	A-2, B-2	(Volts min, max, normal)
		AW3		30 (SF3)	11-15	A-14, B-14	2 Car
				35	2	A-3, B-3	
				74	3, 4	A-8, B-8	
				68	22, 23	A-6, B-6	2 Car
				32 (SF3)	1-4	A-15, B-15	2 Car
				5	3-10	A-1, B-1	
P3001	Deceleration Blended Brks	AWO	37	11-23	A-3, B-3		
			AW2	23	17-27	A-2, B-2	
				82	3-18	A-9, B-9	2 Car
				86	4-7	A-11, B-11	2 Car
		AW3		69	1-18	A-6, B-6	
				74	1, 2	A-8, B-8	
				32 (SF3)	5-12	A-15, B-15	2 Car
				81	1-6	A-9, B-9	2 Car
P-3002	Deceleration Friction Brks	AWO	37	24-29	A-3, B-3		
			38	1-12	A-4, B-4		
				66	6-11	A-5, B-5	2 Car

1-1

DATA LOG (CONTINUED)

TEST SET NO.	TEST NAME	WEIGHT	TEST NO.	RECORD NO.	TAPE NOS.	NOTES
P-3002	Deceleration Friction Brks	AWO	33 (SF3)	1-9	A-15, B-15	2 Car
		AW2	23	30-37	A-2, B-2	
			82	23-25	A-9, B-9	2 Car
			86	9-11	A-11, B-11	2 Car
		AW3	35	39-46	A-3, B-3	
			77	1-8	A-8, B-8	2 Car
P-3003	Deceleration Dynamic Brks	AWO	6	9-17	A-1, B-1	
			38	19-26	A-4, B-4	
			39	1-8	A-4, B-4	
			66	1-5	A-5, B-5	2 Car
		AW2	24	9-17	A-2, B-2	
			82	29-31	A-9, B-9	2 Car
		AW3	69	35-46	A-6, B-6	
			6	2-8		No mag tape
P-3004	Deceleration Emergency Brk	AWO	39	21-33	A-4, B-4	
			66	12-17	A-5, B-5	2 Car
		AW2	24	18-25	A-2, B-2	
			82	27, 28	A-9, B-9	2 Car
			34 (SF3)	11-20	A-15, B-15	
			31 (SF3)	1-5	A-15, B-15	2 Car
		AW3	35	5-24	A-3, B-3	
			77	2-7	A-8, B-8	2 Car
	81	7-15	A-9, B-9	2 Car (modified)		

DATA LOG (CONTINUED)

TEST SET NO.	TEST NAME	WEIGHT	TEST NO.	RECORD NO.	TAPE NOS.	NOTES
P-4001	Drift Test	AW0	—	—	—	—
		AW2	26	4-9	A-3, B-3	
			86	17-23	A-11, B-11	2 Car
			25 (SF3)	1-8	A-16, B-16	
			30 (SF3)	2-9	A-14, B-14	2 Car
P-2011	Spin/Slide Acceleration	AW0	64	30-33	A-5, B-5	No Slips
			65	15-21	A-5, B-5	
P-3011	Spin/Slide Blended, Decl	AW0	64	14-29,34-37	A-5, B-5	
	Spin/Slide Friction Decl	AW0	64	4-13	A-5, B-5	
		63	5-23	A-5, B-5		
	Spin/Slide Emergency Decl	—	—	—	—	
PC-5011	Power Consumption (Blended Brks)	AW2	84	2	A-10, B-10	575V (nom)
			36 (SF3)	16	A-17, B-17	480V (nom)
			37 (SF3)	4	A-18, B-18	750V (nom)
		38 (SF3)	3	A-20, B-20	575V (nom)	
		30 (SF3)	1	A-14, B-14	2 Car	
	Power Consumption (Friction Brks)	AW2	37 (SF3)	5	A-19, B-19	
		38 (SF3)	4	A-21, B-21		
R-1101	Ride Roughness	AW1	55	5-12	A-7, B-7	Welded rail, concrete tie
		AW2	56	1-12	A-7, B-7	
		AW3	53	2-10	A-7, B-7	

DATA LOG (CONTINUED)

TEST SET NO.	TEST NAME	WEIGHT	TEST NO.	RECORD NO.	TAPE NOS.	NOTES
R-1101	Ride Roughness	AW2	56	17-30	A-7, B-7	Jointed rail/ wood ties
CN-0001-TT	Equip Noise W/S	AW0	49	43		
			51	1, 2		
CN-1001-TT	Car Speed W/S	AW3	52	1-12		
		AW0	60	1-16		2 car train with MB 0002
PN-1001-TT	Car Speed (Int)	AW0	50	2-4		
		AW3	52	13-20		
PN-1301-TT	Interior Survey	AW0	51	9-13		
		AW3	52	13-20		
		AW0	SF 0003			
			12	All		
PN-2001-TT	Accl Effect (Int)	AW0	51	7, 8		
		AW3	52	21-23		
PN-3001-TT	Decl Effect (Int)	AW0	51	7, 8		
		AW3	52	21-23		
PSI-6001-TT	Rad Freq Int	AW0	(MB 0002)			
			4-10, 13	-		Single car
		AW0/AW2	(MB 0002)			
			11-13	-		2 car train with SF 0002
		AW2	(SF 0003)			
			13-16, 23	-		Single car



## APPENDIX II – DATA LOG

Collated by Magnetic Tape Number

- Referencing – SLRV Test Number/Record
- GVTP Test Number
- IHRIG Time Identification\*

\* Certain runs have no identification made for IHRIG time of calibration information. For these runs calibration data precedes the test run but is not collated with an IHRIG time.

MAG TAPE DATA LOG  
(FROM CAR SF 0002)

TAPE NO.	TEST SET	TEST NO.	RECORD NO.	TIME SPAN (IHRIG)	NOTES	CALIBRATION (IHRIG START)
1-A,B	P-3001	5	3-10	12/52/18 - 14/36/50	Decl, blended brks, AW0	1-37-28
	P-3002	5	11-20	14/59/15 - 15/46/20	Decl, friction brks, AW0	1-37-28
	P-3003	6	9-17	11/13/45 - 13/53/55	Decl, dynamic brks, AW0	11-6-0
	P-3004	5	21	16/0/15 - 16/0/25	Decl, emergency brks, AW0	1-37-28
2-A,B	P-2001	23	6-12	10/42/45 - 11/6/50	Accl, performance, AW2	
		25	1-10	9/38/58 - 10/52/54	Accl, performance, AW2	8-29-55
	P-3001	23	18-27	14/6/26 - 15/5/35	Decl, blended Brks, AW2	
	P-3002	23	30-37	15/26/15 - 15/37/50	Decl, friction brks, AW2	
	P-3003	24	9-17	10/17/28 - 11/5/45	Decl, dynamic brks, AW2	
	P-3004	24	18-25	11/14/55 - 13/47/30	Decl, emergency brks, AW2	
3-A,B	P-2001	37	4-8	13/20/35 - 13/36/43	Accl, performance, AW0	11-49-45
		35	2	9/49/41 - 9/50/23	Accl, performance, AW3	7-58-30
	P-3001	37	11-23	14/10/41 - 15/25/35	Decl, blended brks, AW0	11-49-45
	P-3002	37	24-29	15/32/35 - 15/53/12	Decl, friction brks, AW0	11-49-45
		35	39-46	15/14/13 - 15/45/20	Decl, friction brks, AW3	7-58-30
	P-3004	35	5-24	10/6/53 - 11/34/30	Decl, emergency brks, AW3	7-58-30
	P-4001	26	4-9	11/23/0 - 11/58/10	Drift test, AW2	
4-A,B	P-3002	38	1-12	10/22/00 - 10/45/26	Decl, friction brks, AW0	8-30-30
				13/39/09 - 14/05/19		
	P-3003	38	19-26	14/42/09 - 15/22/13	Decl, dynamic brks, AW0	8-30-30
		39	1-8	9/53/16 - 10/26/44	Decl, dynamic brks, AW0	8-00-50

MAG TAPE DATA LOG (CONTINUED)  
(FROM CAR SF 0002)

TAPE NO.	TEST SET	TEST NO.	RECORD NO.	TIME SPAN (IHRIG)	NOTES	CALIBRATION (IHRIG START)
4-A,B	P-3004	39	21-33	13/48/43 - 14/46/18	Decl, emergency brks, AW0	8-00-50
5-A,B	P-3002	66	6-11	13/48/41 - 14/48/38	Decl, friction brks, AW0, 2 car	7-59-35
	P-3003	66	1-5	11/26/00 - 11/55/34	Decl, dynamic brks, AW0, 2 car	7-59-35
	P-3004	66	12-17	15/01/50 - 15/32/41	Decl, emergency brks, AW0, 2 car	7-59-35
	P-2011	64	30-33	14/51/5 - 15/16/20	Spin/slide accel, AW0	7-16-45
		65	15-21	15/32/48 - 16/33/30	Spin/slide accel, AW0	7-43-30
	P-3011	64	14-29	11/29/45 - 14/46/15	Spin/slide decl blend, AW0	7-16-43
		64	34-37	15/21/5 - 15/23/45	Spin/slide decl blend, AW0	7-16-45
		64	4-13	9/50/25 - 11/22/48	Spin/slide decl friction, AW0	7-16-45
		63	5-23	11/4/38 - 15/48/40	Spin/slide decl friction, AW0	10-13-50
6-A,B	P-2001	68	22, 23	14/41/40 - 14/54/15	Accl, 2 car, AW3	8-2-10
	P-3001	69	1-18	9/6/12 - 10/1/49	Decl, blended brks, AW3	7-57-50
	P-3003	69	35-46	13/31/28 - 14/17/0	Decl, dynamic brks, AW3	7-57-50
7-A,B	R-1101	55	5-12	8/37/13 - 8/42/10	R/Q welded rail concrete tie, AW1	
		56	1-12		R/Q welded rail concrete tie, AW2	
		53	2-10	9/23/9 - 9/41/40	R/Q welded rail concrete tie, AW3	
8-A,B	P-2001	74	3, 4	11/17/47 - 11/26/15	Accl performance, AW3	9-22-6
	P-3001	74	1, 2	11/7/50 - 11/11/10	Decl blended brks, AW3	9-22-6

MAG TAPE DATA LOG (CONTINUED)  
(FROM CAR SF 0002)

TAPE NO.	TEST SET	TEST NO.	RECORD NO.	TIME SPAN (IHRIG)	NOTES	CALIBRATION (IHRIG START)
8-A,B	P-3004	77	2-8	10/15/15 - 10/36/55	Decl emerg brk, AW3, 2 car	9-57-42
9-A,B	P-3001	82	3-18	9/1/25 - 10/53/40	Decl blended brks, AW2, 2 car	8-3-00
		81	1-6	No time on record	Decl blended brks, AW3, 2 car	10-10-43
	P-3002	82	23-25	11/25/30 - 14/6/5	Decl friction brks, AW2	8-3-00
	P-3003	82	29-31	14/41/25 - 14/59/48	Decl dynamic brks, AW2, 2 car	8-3-00
	P-3004	82	27, 28	14/22/5 - 14/30/45	Decl emergency brks, AW2, 2 car	8-3-00
		81	8-15	14/54/5 - 15/32/35	Decl mod emergency brks, AW3, 2 car	10-10-43
10-A,B	P-5011	84	2	8/23/50 - 9/22/45	Power consumption blend brk, AW2	11-30-47
11-A,B	P-3001	86	4-7 14-16	7/41/22 - 7/58/16 8/30/43 - 8/26/28	Decl blended brk, AW2, 2 car	
	P-3002	86	9-11	8/6/30 - 8/18/7	Decl friction brk, AW2, 2 car	
	P-4001	86	17-23	9/1/40 - 9/55/25	Drift test, AW2, 2 car	
14-A,B	PC-5011	30	1	9/5/30 - 10/00/09	Power consumption, AW2, 2 car	
	P-4001	30	2-9	10/31/55 - 11/15/20	Draft test, AW2, 2 car	
15-A,B	P-2001	30	11-15	11/29/55 - 11/46/55	Accl, performance, AW2, 2 car	
		31	6-9	9/26/10 - 10/23/25	Accl, performance, AW2, 2 car	
		32	1-4	7/27/0 - 7/46/10	Accl, performance, AW3, 2 car	
	P-3001	32	5-12	7/57/0 - 8/14/45	Decl, blended, AW3, 2 car	
		33	1-9	7/9/40 - 7/36/57	Decl, friction AW0, 2 car	
	P-3004	31	1-5	7/25/5 - 8/10/35	Decl, emergency, AW2, 2 car	
		34	11-20	15/6/38 - 15/27/25	Decl, emergency, AW2	

MAG TAPE DATA LOG (CONTINUED)  
(FROM CAR SF 0002)

TAPE NO.	TEST SET	TEST NO.	RECORD NO.	TIME SPAN (IHRIG)	NOTES	CALIBRATION (IHRIG START)
16-A,B	P-4001	25	1-8	14/52/5 - 15/20/45	Drift test, AW2	13-40-0
17-A,B	PC-5011	36	16	14/9/50 - 16/6/05	Power Consumption, AW2, (480V) (Blended)	8-32-00
18-A,B	PC-5011	37	4	14/24/40 - 16/25/10	Power Consumption AW2, (750V) (Blended)	8-05-20
19-A,B	PC-5011	37	5	16/44/50 - 17/50/10	Power Consumption AW2, (575V) (Friction)	8-05-20 (on tape 18)
20-A,B	PC-5011	38	3	9/45/45 - 10/51/45	Power Consumption, AW2 (575V) (Blended)	
21-A,B	PC-5011	38	4	13/59/20 - 14/53/45	Power Consumption, AW2 (575V) (Friction)	

11-4