

HIGHWAY FACTORS GROUP CHAIRMAN'S FACTUAL REPORT

Highway Attachment – Skid Test Data for I-15 in Vicinity of Crash Location

Pala Mesa, California

HWY20FH003

(10 pages)

Southbound I-15 Skid Test Postmile R45.67 to R46.17

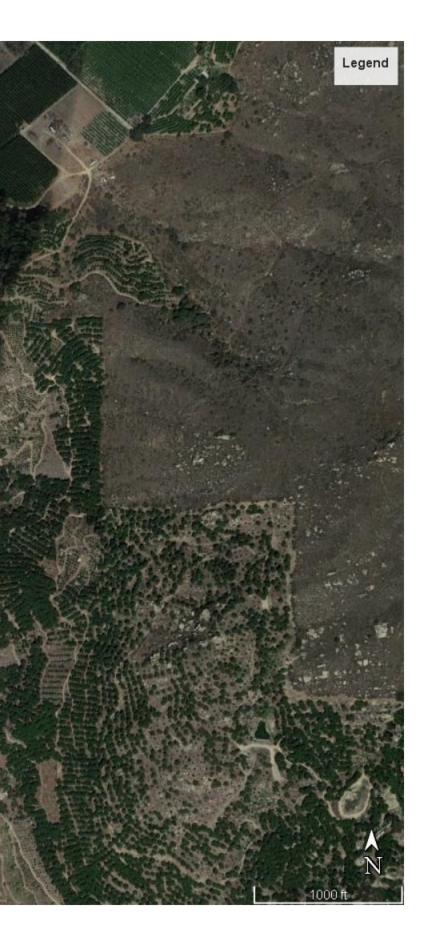
Larth

PM R46.17 (North Limit of Skid Test)

ò

PM R45.92 (Begin Bridge Structure)

PM R45 67 (South Limit of Skid Test)





STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

District 11 - Kearny Mesa Materials Laboratories 7177 Opportunity Road . San Diego CA 92111

DISTRIBUTION

Sheet:

- TRANSPORTATION LAB
- RESIDENT ENGINEER
- ASST. DIST. DIR. OF TRANS-CONST

1

OFFICE OF STRUCTURES

REPORT OF SKID TEST

CALIFORNIA TEST 342

Dist, Co-Rte: 11, SD-15						Number of Lanes: 4					
		Contract	: Patrick L	ee/ Guy Po	oirier	Bridge Width:					
		EFIS	S 1117000	101		Air Temperature	: 49)			
	Work I	Requested by	: Patrick L	ee/ Guy Po	oirier						
	Requestor	r's Phone No	:	And a second		Fax Number:					
		Test by	: Javad Rh	ezaii		Bridge No	: 57-0	0871L			
	Directi	on of Traffic	: SB			Bridge Name	: San Luis	Rey River			
Position:	In the direct	ction of traffi	c flow, der	notes feet to	o the Left o	r Right edge of	the second s				
		oulder (used				0 0					
	passing =					Structure pas	sing = 0.35				
	passing –	0.50 T	T c'		1						
Fest No.	Date of		Location			Test Measu	rement				
	Test	Chatlan	I	D	-	Manager	Constal		-		
		Station	Lane	Position	% Grade	Measured	Corrected	Ave.*	Remarks		
		400+96	2	26' RS	0.5	0.35	0.36				
1		400+71	2	26' RS	0.5	0.37	0.38				
	3/21/20	400+46	2	26' RS	0.6	0.35	0.36	0.37	Pass		
Lane 2	Roadway	400+21	2	26' RS	0.9	0.35	0.36				
		300+96	2	26' RS	1.0	0.38	0.39				
2	3/21/20	0+18	2	30' RS	2.0	0.34	0.36	0.36	Pass		
3	3/21/20	0+58	2	27' RS	2.4	0.35	0.37	0.37	Pass		
Lane 2	Roadway										
		500+50	2	27 10	2.4	0.33	0.35				
4		500+46	2	26' RS	2.5	0.36	0.38	-			
	3/21/20	500+40	2	27' RS	2.7	0.35	0.38	0.37	Pass		
North h	alf of the	500142		Li Ro	2.1	0.55	0.50		1 400		
	-Lane 2							1			
	1	0+55	2	27' RS	3.1	0.35	0.38	1			
5		0+52	2	28' RS	3.1	0.32	0.35	1			
	3/21/20	0+49	2	27' RS	3.1	0.35	0.38	0.37	Pass		
South E	nd of the								A TREPARED IN		
Bridge	- Lane 2							1			
								1			
								1			
					-						
Remarks:			and a fight of the state		1-		as p	1.1.			
						3/24/2	020 P.	1000)		



STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

District 11 - Kearny Mesa Materials Laboratories 7177 Opportunity Road . San Diego CA 92111

D	DISTRIBUTION
	TRANSPORTATION LAB
8	RESIDENT ENGINEER
	ASST. DIST. DIR. OF TRANS-CONST
	OFFICE OF STRUCTURES

2

REPORT OF SKID TEST

CALIFORNIA TEST 342

CALIFORNIA TEST 342	Sheet:	2
Dist, Co-Rte: 11, SD-015	Number of Lanes:	4
Contract: Patrick Lee/ Guy Poirier	Bridge Width:	
EFIS 1117000101	Air Temperature:	49
Work Requested by: Patrick Lee/ Guy Poirier		
Requestor's Phone No:	Fax Number:	
Test by: Javad Rhezaii	Bridge No:	57-0871L
Direction of Traffic: SB	Bridge Name:	San Luis Rey River
Position: In the direction of traffic flow, denotes feet to the Le	ft or Right edge of Tr	avel Way.
DC - Dight side Chaulder (used for Long 2.2 and 4)		

RS = Right side Shoulder (used for Lane 2,3, and 4)

	passing =					Structure pas				
Test No.	Date of	Location			Test Measurement					
	Test	Station	Lane	Position	% Grade	Measured	Corrected	Ave.*	Remarks	
		600+06	3	24' RS	0.6	0.35	0.36			
6		500+81	3	24' RS	0.6	0.35	0.36	1		
	3/21/20	500+56	3	24' RS	0.8	0.34	0.35	0.358	Pass	
Lane 3	Roadway	500+31	3	24' RS	0.7	0.37	0.38	1		
		500+06	3	23' RS	0.8	0.33	0.34			
7	3/21/20	200+0	3	24' RS	1.4	0.35	0.36	0.36	Pass	
8	3/21/20	0+21	3	24' RS	1.9	0.33	0.34	0.34	Pass	
Lane 3 I	Roadway								1 400	
		200+44	3	23 K3	2.2	0.22	0.24	0.274	-	
9		200+40	3	23' RS	2.2	0.25	0.27			
	3/21/20	200+37	3	23' RS	2.2	0.24	0.26		Fail	
North ha	alf of the	200+34	3	23' RS	2.2	0.27	0.29			
Bridge	-Lane 3	200+30	3	23' RS	2.2	0.29	0.31	1		
		200+32	3	23' RS	2.8	0.30	0.36			
10		200+28	3	23' RS	3.1	0.35	0.38	1		
	3/21/20	200+24	3	23' RS	3.1	0.30	0.33	0.357	Pass	
South E	nd of the							1		
Bridge-	Lane 3							1		
		1]		
								1		
]		
Remarks:				1	711 -	2 lout		0 and	E	
					40	3/24/2	1020 1	. 200	2	

Calbrans.

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

District 11 - Kearny Mesa Materials Laboratories 7177 Opportunity Road . San Diego CA 92111

D	DISTRIBUTION
8	TRANSPORTATION LAB
8	RESIDENT ENGINEER
	ASST. DIST. DIR. OF TRANS-CONST
8	OFFICE OF STRUCTURES

3

REPORT OF SKID TEST

CALIFORNIA TEST 342

CALIFORNIA TEST 342	Sheet:	3
Dist, Co-Rte: 11, SD-015	Number of Lanes:	4
Contract: Patrick Lee/ Guy Poirier	Bridge Width:	
EFIS 1117000101	Air Temperature:	49
Work Requested by: Patrick Lee/ Guy Poirier		
Requestor's Phone No:	Fax Number:	
Test by: Javad Rhezaii	Bridge No:	57-0871L
Direction of Traffic: SB	Bridge Name:	San Luis Rey River
Position: In the direction of traffic flow, denotes feet to the Let	ft or Right edge of Tr	avel Way.
RS = Right side Shoulder (used for Lane 2,3, and 4)		100-1

Contractory of the local division of the loc	passing =	0.30				Structure pas			
Test No.	Date of	Location			Test Measu	Test Measurement			
	Test	Station	Lane	Position	% Grade	Measured	Corrected	Ave.*	Remarks
		200+76	4	10' RS	1.4	0.37	0.38		
11		200+51	4	10' RS	1.3	0.37	0.38	1	
	3/21/20	200+26	4	9' RS	1.2	0.33	0.34	0.354	Pass
Lane 4	Roadway	200+01	4	9' RS	1.4	0.32	0.33	1	
	1	100+76	4	10' RS	1.5	0.33	0.34	1	
								-	
10		200+42	4	JKJ	2.5	0.34	0.37	<u> </u>	
12	2/21/20	200+38	4	5' RS	2.5	0.34	0.37		-
NT- 11 1	3/21/20	200+34	4	5' RS	2.7	0.33	0.36	0.367	Pass
	alf of the							-	
Bridge	-Lane 4	0+33	4	10' RS	3.2	0.10	0.00		
13		0+33	4	10 RS	3.2	0.18	0.20	-	
15	3/21/20	0+30	4	the second se	3.1	0.22	0.24	0.050	
Cauth D	nd of the	0+28		11' RS	3.1	0.24	0.26	0.256	Fail
	- Lane 4	0+26	4	10' RS 11' RS	3.1	0.26	0.29	-	
Druge-		0+24	4	11 KS	3.1	0.26	0.29		
	l.							-	
								1	
Remarks:				. /	7.1 -		1	- /	
						3/24/2	020 P.	3 43	5
			1	1					

STATE OF CALIFORNIA

L

DEPARTMENT OF TRANSPORTATION

Calbane District 11 - Kearny Mesa Materials Laboratories 7177 Opportunity Road . San Diego CA 92111

DISTRIBUTION
TRANSPORTATION LAB
RESIDENT ENGINEER
ASST. DIST. DIR. OF TRANS-CONST
OFFICE OF STRUCTURES

REPORT OF SKID TEST

CALIFORNIA TEST 342

CALIFORNIA TEST 342	Sheet:	4	
Dist, Co-Rte: 11, SD-015	Number of Lanes:	4	
Contract: Patrick Lee/ Guy Poirier	Bridge Width:		
EFIS 1117000101	Air Temperature:	49	
Work Requested by: Patrick Lee/ Guy Poirier			
Requestor's Phone No:	Fax Number:		
Test by: Javad Rhezaii	Bridge No:	57-0871L	
Direction of Traffic: SB	Bridge Name:	San Luis Rey River	3
Position: In the direction of traffic flow, denotes feet to the Le	ft or Right edge of Tr	avel Way.	
RS = Right side Shoulder (used for Lane 2.3, and 4)			

Pavement	passing =	0.30				Structure pas	sing = 0.35		
Гest No.	Date of		Location			Test Measu	rement		
đ	Test	Station	Lane	Position	% Grade	Measured	Corrected	Ave.*	Remark
		1089+00	4	10' RS	4.4	0.34	0.39	1	
14		1089+25	4	10' RS	4.2	0.33	0.38	1	
	3/21/20	1089+50	4	10' RS	4.4	0.32	0.37	0.392	Pas
	Roadway	1089+75	4	10' RS	4.3	0.33	0.38	1	
South c	f Bridge	1089+100	4	10' RS	4.0	0.38	0.44	1	
]	
			_						
]	
]	
			_]	
]	
								1	
]	
			-]	
Remarks:		_	mal	1.5	3/24/2	POZO P	445	_	



STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION District 11 - Kearny Mesa Materials Laboratories

7177 Opportunity Road . San Diego CA 92111

DISTRIBUTION	
TRANSPORTATION LAB	
RESIDENT ENGINEER	
ASST. DIST. DIR. OF TRANS-CON	ST
 OFFICE OF STRUCTURES 	
	-

REPORT OF SKID TEST

CALIFORNIA TEST 342

CALIFORNIA TEST 342	Sheet:	5
Dist, Co-Rte: 11, SD-015	Number of Lanes:	4
Contract: Patrick Lee/ Guy Poirier	Bridge Width:	
EFIS 1117000101	Air Temperature:	49
Work Requested by: Patrick Lee/ Guy Poirier		
Requestor's Phone No:	Fax Number:	
Test by: Javad Rhezaii	Bridge No:	57-0871L
Direction of Traffic: SB	Bridge Name:	San Luis Rey River
Position: In the direction of traffic flow, denotes feet to the Le	ft or Right edge of Tr	avel Way.

LS = Left side Shoulder, (used for Lane 1 only)

And the second se	the second s	
Pavement	passing =	0.30

Test No.	passing =		Location			Structure passing = 0.35 Test Measurement					
031110.	Date of	Location				Test Measurement					
	Test	Station	Lane	Position	% Grade	Measured	Corrected	Ave.*	Remarks		
		200+77	1	7' LS	1.3	0.38	0.39				
15		200+52	1	6' LS	1.4	0.90	0.40	1			
	3/21/20	200+27	1	7' LS	1.5	0.37	0.39	0.40	Pass		
Lane 1 Roadwa	Roadway	200+02	1	7' LS	1.4	0.38	0.39	1			
		100+77	1	8' LS	1.5	0.40	0.43	1			
16					+		+	-			
10	3/21/20	00+31	1	7' LS	1.7	0.40	0.43	0.43	Pass		
Lane 11	Roadway]			
17		600+27	1	9' LS	2.0	0.40	0.43		+		
17	3/21/20	600+23	1	9' LS	2.1	0.38	0.41	0.416	Pass		
North half of the		600+20	1	9' LS	2.1	0.38	0.41	1			
Bridge	-Lane 1										
18	3/21/20	500+14	1	8' LS	2.4	0.35	0.37	0.37	Pass		
		00+90	1	2' LS	3.7	0.28	0.32				
19		00+88	1	2' LS	3.5	0.28	0.32	1			
	3/21/20	00+86	1	2' LS	3.3	0.28	0.31	0.312	Fail		
South End of the Bridge- Lane 1		00+84	1	2' LS	3.4	0.27	0.30	1			
		00+82	1	2' LS	3.4	0.28	0.31	1			
20	3/21/20	00+11	1	2' LS	3.3	0.28	0.31	-			
South E	nd of the	0011	1	2 1.0	5.5	0.20	0.51	0.31	Fail		
Bridge-	Seale and hereit							-			
emarks:	Lane 1			1 -							
ontaino.					3/24.	12020	P. 5 4	55			
		1	1								

STATE OF CALIFORNIA DISTRIBUTION DEPARTMENT OF TRANSPORTATION TRANSPORTATION LAB District 11 - Kearny Mesa Materials Laboratories Calbans RESIDENT ENGINEER 7177 Opportunity Road . ASST. DIST. DIR. OF TRANS-CONST San Diego CA 92111 OFFICE OF STRUCTURES REPORT OF SKID TEST CALIFORNIA TEST 342 Sheet: 1 OF 2 Dist, Co-Rte: 11-50-15 Number of Lanes: 4 Contract: 1117000101 Bridge Width: EFIS Air Temperature: 50'F-68'F Work Requested by: PATRICK LEE Requestor's Phone No: Fax Number: Test by: DANIEL PAUL SMITH Bridge No: Direction of Traffic: SOUTHBOUND Bridge Name: SAN LUIS REY RIVER BRIDGE Position: In the direction of traffic flow, denotes feet to the Left or Right edge of Travel Way. Pavement passing = 0.30 Structure passing = 0.35Test No. Location Test Measurement Date of Test Station Lane Position Measured Corrected Ave.* % Grade Remarks 131' 5/0 Br 2' 35 37 RT + 2 3/2 1 .37.5 156 2 .37 181 2,5 33 7 35.5 206 3 Z .34 + 2.5 231 2.5 + 35 3 753' SpBr 2' + RT 4 31 35 2 118 + 4 38 3 2 .38 803 A 3 3 828 4 F 40 21 853 38 4 3 × 3 21 5' S/c Br RT 22 0 22 AVGOF5 SHOTS 3 30 0 32 .32 ,31 55 + 32 33 + 31 80' 32 105 V 32 + 34 3 2'RT 944 Slo Br 4 + 32 28 Å 969 4 + .28 32 .33 994 4 29 ANG OF 5 SHOTS + 33 4 1019 + 30 24 4 1044' + .30 3 .21 125'50Br 4 2 + 3 30 50 2 AVG OF 5 SHOTS 28 175 2.5 + 24 .265 3 .23 200 2.5 .255 ,25 +215 :275 NOTES - SOUTH 5 Bridge Br OF ANG AVEPAGE .

Caltrans	DEPART District 1 7177 Opp	DF CALIFORNIA MENT OF TRAM 1 – Kearny Messortunity Road o CA 92111	SPORTA a Material		es	DISTRIBUTION TRANSPORTATION LAB RESIDENT ENGINEER ASST. DIST. DIR. OF TRANS-CONST OFFICE OF STRUCTURES				
REPO	RTOFS	KID TEST					2	10	1-1	
		TEST 342				Short 7	2			
CALI	UNITA		11-	SD-15		Sheet: 2 Number of Lane		•		
	Dist, Co-Rte: 11-5D-15 Contract: 1117000101						<u>s: 4</u> h:			_
	EFIS						and the second	1101-		-
	Work	Requested by:		ack L	=E	Air Temperatur	. <u> </u>	£ 68'E		-
-	the second se	or's Phone No:	URIE	LILF L		Fax Numbe	r.			-
	Test by: DANIEL PAUL SMITH									-
	Direct	tion of Traffic: SOUTH BOOND						INS DE	YRIVER	POIN
Position:	In the dire	ection of traffic	flow, de	notes feet t	o the Left	or Right edge of	Travel Way.		TIVER	DRIM
Pavemen	t passing =	0.30				Structure pas	sing = 0.35]
Test No.	Ť T		Location				irement		1	1
	Date of					r est measu	irement			
	Test	Station	Lane	Position		Measured	Corrected	Ave.*	-	
	1	AAP! CL .			% Grade	9			Remarks	
6	31	485 5/6 Br		2' RT	44	.35	. 40	_]
0	1/211	510'	+		+4	.38	1.44	AI		
	100	200			+4	.33	138	- TI		
t -	120	505' 1	01	NI	174	135	. 40	-		
	21	1089 5/0 31	1	7'21	1-1	.36	.41			
17	2/22	1114	11	16 N	+4	135	140	-		
	IZI	1139'			+ 4	.36	140	A		
	120	1164			+7	135	AS	- 0 1		
		11891		1	44	,36	A	-		2
						1-0	1011			
								1		
					1			1		
								-		
								1		
								1		
								1		
								1		
								1 2		
								1		
1				1.				1		
	Γ							1		
Remarks:	and the second distance of the second distanc	SOUTH		Contraction of the second second	CONTRACTOR AND INCOME.	COMPARING AND ADDRESS OF A DESCRIPTION OF A	Characteristic and the second s	In a ser la su da su	decommence and a support	

