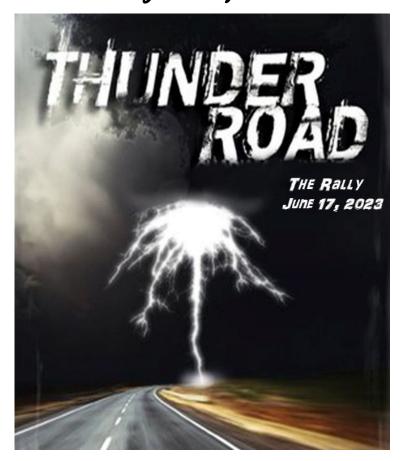


and Into the Night Rally Team present



An SCCA National Tour Rally

OFFICIAL ROUTE INSTRUCTIONS

THUNDER ROAD 2023 - ADDITIONAL INFORMATION

On THUNDER ROAD, all Checkpoint timing is to the nearest tenth of a second. All CZTs ('Car Zero Times') in these RIs are in whole seconds, e.g.,10:00:00 should be read as 10:00:00.0. We've left off the ".0" to save room, but tenths will be scored. One penalty point will be assessed for each full second you are early or late across a Checkpoint. Maximum timing error per Checkpoint is 30.0. CZT's are in hr:min:sec format. Times are listed in 24 hour format ("military time").

There are no set CASTS on either rally. Timing is at least 2 mph LESS than the posted speed limits. Pauses are included for all STOPs, TRAFFIC LIGHTs, and as otherwise needed. According to California's basic speed law -- for non-residential area and non-business area roads where no speed limit is posted, the maximum speed is 55 MPH.

The Richta app calls everything a 'CP'. This includes Start/Restarts, Checkpoints, and Course Controls. Once you pass any of these, your app will indicate what type it was. Starts and Restart will both show up as 'restart' and the app will also display your car's correct Start/Restart time. Course Controls will show up as simply 'on course' and are not scored. Checkpoints will be identified as simply 'early' or 'late' and are scored as outlined in the first paragraph.

The Timed Checkpoints are all unmanned/passage. **Do not stop at the Timed Checkpoints** – just keep on rallying to the next Restart. There usually will be more than one Checkpoint after each Restart. All Timed Checkpoints are listed in the Route Instructions, i.e., there are no uninstructed Timed Checkpoints. All Course Controls are of the "on-course" variety. No times will be scored at them.

ALWAYS CHECK YOUR MIRRORS before pulling into traffic to cross a Checkpoint, or when pulling away from a Restart.

Information in parentheses (like this, for example) is NOT an official part of the Route Instruction, but is intended to help clarify the instruction.

WARNINGS AND ADVISORIES

Please read the Event General Instructions for each rally carefully. They are the basis for each rally.

Drive safely and legally at all times. Watch for ALL types of road hazards. Recent rains have left mud, sand, rocks, and other debris across the road in several places. Please use caution when crossing any such areas. Time has been allowed for you to slow down at these points.

Heed ALL posted road signs. Be extremely mindful of unpredictable local traffic at all times. Be very careful of children, animals and slow vehicles near isolated rural homes. In farm areas, be very alert for working vehicles and ATV's turning onto the road without regard for traffic. Watch for and yield to bicyclists at all times.

If you encounter any unexpected hazard or situation which prevents you from safely executing a Checkpoint or other instruction, do NOT use any unsafe action to attempt to complete that Checkpoint or instruction. We would rather delete a Checkpoint from scoring than have even one entrant have any kind of incident on this event.

GPS NOTES -

(If you've had experience running this type of rally using the Richta GPS system, then you probably have your own way of dealing with everything mentioned below.)

The location for each Checkpoint was acquired with the car positioned so the GPS unit was exactly even with the referenced sign. However, due to potential differences in GPS accuracy between the Rallymaster GPS and your GPS, it is possible that you could trigger the Checkpoint timing 5 - 10 feet before or after the referenced sign.

Richta triggers when it detects that your GPS is moving AWAY from the Checkpoint location. The exact point of detection is affected by GPS accuracy. If you have accuracy of ±5 meters, then you have a GPS "bubble" around your car for 5 meters in all directions. You may have to get <u>all</u> your bubble past the Checkpoint location's bubble to trigger it.

For the best chance at a low score, we suggest you pass the referenced sign exactly on your second and traveling at 15 mph (or more, but always under the speed limit).

RALLYMASTER SUGGESTIONS -

Use your Official Mileage to pace yourself as you approach each Checkpoint. Get into a rhythm so you pass the referenced sign at the time desired.

At almost every Checkpoint, the referenced sign can be seen with ample time to stop prior to passing it, and there is almost always enough room to pull over and stop.

IF YOU ARE RUNNING LATE, YOU SHOULD STOP and calmly figure out how much Time Allowance you should enter into the Richta app. Then correct your Target Time by including the Time Allowance before proceeding. If needed, you can wait, and/or creep, so you can pass the referenced sign at the time you want. Remember that any Time Allowance you enter will continue until the next Restart, so make sure you adjust the rest of your Target Times until the next Restart accordingly.

IF YOU ARE RUNNING EARLY, keep in mind that the total Time Allowance on the Richta app cannot be set for LESS than zero. That means if you have zero Time Allowance, you can't use TA- to gain time to correct for running early. You may need to stop and count yourself down (by waiting and/or creeping) in order to pass the referenced sign at your desired time. (If you already have some TA+ entered from which to subtract, then do so, and be sure to correct your Target Time to account for it.)

ALWAYS CHECK YOUR MIRRORS before pulling into traffic to cross a Checkpoint, or when pulling away from a Restart.

INTO THE NIGHT RALLY TEAM presents THUNDER ROAD 2023

If you have any serious problems during the rally, please call us at 310-350 1360 so we can help. Read these Route Instructions (RIs), and the Event General Instructions carefully. If you have any questions, ask an ITN rally worker or call the number above. Log into the Richta Competitor app and choose **Thunder Road 2023** from the list of rallies. The rally password is 'doolin'.

When told to IGNORE a sign reading "Road Closed" or "No Outlet," do so.

Remember to zero your odometer at Restarts and at any instruction marked with '/0.00'.

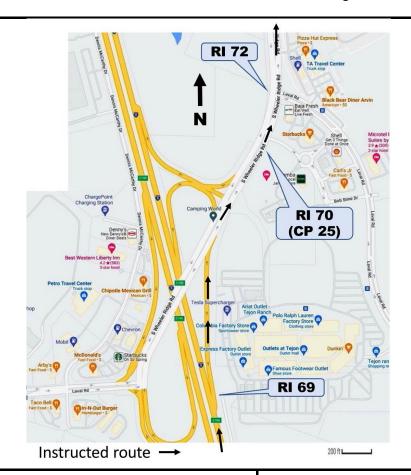
RI	ОМ	СΖТ	Target Time	Instruction	Additional Info
1	000.00	11:00:00		Begin Rally and Odometer Calibration at "Best Western Inn & Suites Denny's."	Best Western.
				Official Start time is 11:00:00. START time is FREE. (You may leave here at any time prior to your Target Time for RI 1.)	(CP 1.) (It is about 80 miles to the first break.)
2	0.09			LEFT at STOP.	
3	0.18			RIGHT at T (magic).	(traffic light.)
4	1.22			LEFT on McBEAN PKWY.	(a traffic light.)
5	4.35			RIGHT at T (copper hill).	(a traffic light.)
6	4.75			LEFT on SAN FRANCISQUITO CYN RD.	(a traffic light.)
7	5.00			Course Control at "Next 4 Miles."	(CP 2 - on course.)
8	5.87			"Speed Limit 55."	
9	7.03			"Do Not Pass."	
10	7.97			"Angeles National Forest."	
11	9.08			"40 Zone Ahead."	
12	9.79			"Narrow Bridge."	
13	10.47			"\$1000 Fine for Littering."	
14	10.77			(FPR RIGHT at) STOP (to follow san francisquito).	
15	12.06			"Speed Limit 55."	
16	13.07			"A Place to Shoot" SOL.	

RI	ОМ	СΖТ	Target Time	Instruction	Additional Info
17	14.349 /0.00	11:29:00		END Odometer Calibration at "Do Not Pass." Watch your mirrors. (Your restart time is 11:29:00 plus your car number in minutes.)	(CP 3.) (get your numbers set then pull ahead so as not to block the sign. please do the same at all restarts.)
18	0.76	11:30:00		CHECKPOINT at "Speed Limit 55."	(CP 4.)(caution -use shoulder if needed.)
19	3.49			"Speed Limit 55."	(L. A. aqueduct passes overhead.)
20	4.74			"35 Zone Ahead."	
21	5.78			"35 Zone Ahead."	
22	6.46			STRAIGHT at STOP (spunky).	
23	7.58			"Speed Limit 50."	
24	9.50			LEFT at T. (Elizabeth Lake Rd.)	(CAUTION - cross traffic does not stop.)
25	10.12	11:43:00		CHECKPOINT at	(CP 5.)(use paved shoulder.)
26	10.27			LEFT at STOP.	(CAUTION - cross traffic does not stop.)
27	11.40			"Hungry Jack."	
28	11.48			RIGHT on MUNZ RANCH RD.	(comes up quickly.)
29	13.52			"Francisquito Fairmount."	
30	15.26	11:49:30		CHECKPOINT at "130 th St West."	(CP 6.)
31	15.76	11:50:15		CHECKPOINT at	(CP 7.)
32	15.91			LEFT at STOP (lancaster rd).	
33	17.29	11:52:15		CHECKPOINT at "Enter."	(CP 8.)
34	19.58			"30 MPH."	
35	19.94	11:55:30		CHECKPOINT at "25 MPH."	(CP 9.)
36	21.41			"170 th St West."	

RI	ОМ	CZT	Target Time	Instruction	Additional Info
37	21.66	11:57:45		CHECKPOINT at "172nd St West."	(CP 10.)
38	23.27			(FPR after) "30."	
39	24.76			"40 MPH."	
40	25.05	12:01:45		CHECKPOINT at "205 th St West."	(CP 11.)
41	25.61			"Desert Woodland."	
42	26.63	12:03:45		CHECKPOINT at	(CP 12.)
43	29.77	12:07:30		CHECKPOINT at "35 MPH."	(CP 13.)
44	30.29	12:08:30		CHECKPOINT at "Gorman Lancaster."	(CP 14.)
45	30.35			LEFT at T.	(CAUTION!!! - cross traffic does not stop.)
46	31.87			"Three Points 3."	
47	32.88			RIGHT toward NEENACH SCHOOL RD. (269 th St West.)	
48	33.192 /0.00	12:13:00		RESTART at "30 MPH" (then FPR to the left). (Your restart time is 12:13:00 plus your car number in minutes.)	(CP 15.)
49	0.57	12:14:00		CHECKPOINT at "25 MPH."	(CP 16.)
50	0.70			RIGHT at T.	(CAUTION !!! - cross traffic does not stop.)
51	7.68			"Old Ridge Rte Rd" SOL.	
52	10.14			RIGHT on GORMAN POST RD.	
53	10.35	12:25:30		CHECKPOINT at "30 MPH."	(CP 17.)
54	13.75	12:30:00		CHECKPOINT at "45 MPH."	(CP 18.)
55	14.94	12:31:45		CHECKPOINT at "CAUTION."	(CP 19.) CAUTION VERTICAL CLEANANCE 15 1"
56	15.00			LEFT at GORMAN SCHOOL RD.	(comes up quickly.)

RI	ОМ	СΖТ	Target Time	Instruction	Additional Info
57	15.18			RIGHT (after McDonalds) on RALPHS RANCH RD.	
58	16.92			"Tejon Pass" (small street sign).	(elevation 4144 feet.)
59	18.14			STRAIGHT at FRAZIER MTN PARK RD.	(a stop.)
60	18.46	12:37:15		CHECKPOINT at	(CP 20.)
61	19.39	12:38:45		CHECKPOINT at	(CP 21.)
62	20.37	12:40:15		CHECKPOINT at	(CP 22.)
63	20.82	12:41:00		CHECKPOINT at "30 MPH" after "Lebec Community Church."	(CP 23.)
64	22.70	12:43:30		CHECKPOINT at	(CP 24.)
65	23.37			LEFT after "Tejon Ranch Corporate Headquarters."	(toward freeway.)
66	23.44			"Freeway Entrance North Interstate California 5" (enter freeway). Be sure the lane is clear before	(wait for a break in traffic, then lick the stamp and send it - merge lane is very short.)
				entering freeway.	
67	24.26		<u> </u>	"Fresno 143."	
68	30.65			"Lake Isabella Next Exit."	
69	31.89			BEAR RIGHT at EXIT 219A (exit freeway).	
70	32.31			Course Control at "Speed Limit 40."	(CP 25 - on course.)
71				20 minutes have been included for a BREAK in this area. See map on next page below.	(It is about 70 miles to the lunch break.)

(Alternatively to RI 69, use Exit 219B if you want to reach services on west side of freeway. Then use wheeler ridge rd to cross back to east side of the freeway, where you should catch CP 25, an on-course course control.)

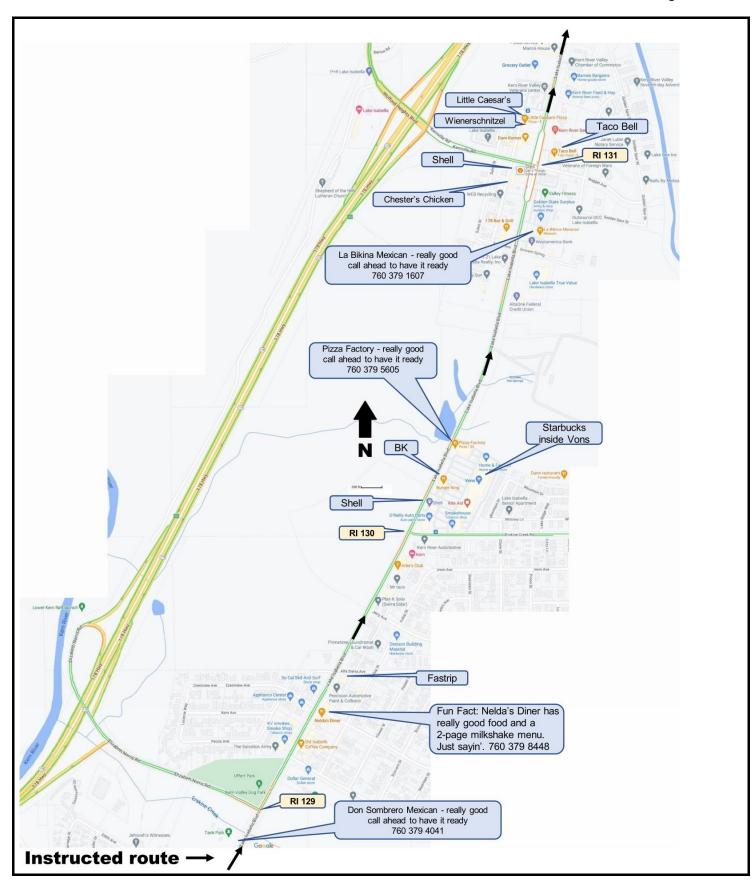


RI	ОМ	CZT	Target Time	Instruction	Additional Info
72	32.44			STRAIGHT at LAVAL RD.	(a traffic light.)
73	33.53			"Speed Limit 55."	
74	36.55			SEBASTIAN.	
75	39.85			STRAIGHT at STOP.	
76	40.06			IGNORE "Road Closed to Thru Traffic."	(the closure is miles away.)
77	41.85			SANDRINI RD.	
78	42.85			"TEALE" SOL.	
79	43.85			RIGHT on HERRING RD.	(watch mileage.)
80	44.774 /0.00	13:29:00		RESTART at "50 MPH." (Your restart time is 13:29:00 plus your car number in minutes.)	(CP 26.)

RI	ОМ	CZT	Target Time	Instruction	Additional Info
81	1.15			EDISON.	(cross traffic doesn't always stop.)
82	2.57	13:32:00		CHECKPOINT at	(CP 27.)
83	2.70			STRAIGHT at STOP (rancho).	(CAUTION - cross traffic may not stop.)
84	4.25			LEFT at TEJON HWY.	(rough road here.)
85	5.24			Course Control at "Kenmar."	(CP 28 - on course.)
86	7.17			"Speed Limit 35."	
87	8.24			STRAIGHT at TRAFFIC LIGHT (bear mtn blvd).	
88	9.25			"Sunset Blvd."	
89	9.68	13:42:45		CHECKPOINT at	(CP 29.) (use shoulder.)
90	10.18	13:43:30		CHECKPOINT at	(CP 30.) (use shoulder.)
91	11.11	13:45:00		CHECKPOINT at (then stop and look both ways before crossing tracks).	(CP 31.) (use shoulder.)
92	12.28			LEFT at PANAMA RD.	
93	13.27			RIGHT at STOP (after "comanche dr").	
94	15.17			Course Control at "Panama Ln."	(CP 32 - on course.)
95	18.08			"West 58 East."	
96	18.35			STRAIGHT at STOP (edison hwy).	
97	18.36			(then SLOW crossing very bumpy tracks.)	(comes up very quickly.)
98	20.56			"Breckenridge Rd 45 MPH."	
99	23.22			RIGHT at TRAFFIC LIGHT (route 178 - toward lake isabella).	

RI	ОМ	CZT	Target Time	Instruction	Additional Info
100	23.30			Course Control at "Speed Limit 65."	(CP 33 - on course.)
101	24.14			STRAIGHT at MIRAMONTE.	(a traffic light.)
102	28.22			2 nd "Next 14 Miles" (refer to picture).	(note: 1 st "next 14 miles" says "do not pass".)
103	29.14			"Sequoia National Forest."	
104	34.09			KERN RIVER WEAR LIFE VESTS THINK SAFETY THINK SAFETY LEGGE THE THE THE THE THE THE THE THE THE TH	
105	39.80			2 nd "30 MPH."	
106	41.17			"Speed Limit 55."	
107	41.61			"Kern Cyn Rd Righ Turn 1/4 Mile."	
108	41.98			RIGHT on KERN CYN RD.	
109	42.070 /0.00	14:24:00		RESTART at "Democrat Station." (You should have the restart time thing down, yes?)	(CP 34.) (watch for range cattle until RI 127.)
110	0.25	14:24:45		CHECKPOINT at "Next 13 Miles."	(CP 35.)
111	1.00	14:26:30		CHECKPOINT at "25 MPH."	(CP 36.)
112	3.78			2 nd "Rock Slide Area."	
113	4.51	14:32:45		CHECKPOINT at "20 MPH."	(CP 37.)
114	4.98	14:33:45		CHECKPOINT at "Rock Slide Area."	(CP 38.)
115	5.47	14:34:45		CHECKPOINT at	(CP 39.)
116	5.94	14:35:45		CHECKPOINT at "Slide Area."	(CP 40.)

RI	ОМ	СΖТ	Target Time	Instruction	Additional Info
117	6.67	14:37:15		CHECKPOINT at 2 nd "20 MPH."	(CP 41.)
118	7.64			"Next 6 Miles."	
119	9.47			"Hobo Campground Overflow."	
120	11.18			STRAIGHT at indicated OM.	
121	11.24			(immediate) Course Control.	(CP 42 - on course.)
122	12.45			"End Slide Area."	
123	13.06	14:49:30		CHECKPOINT at	(CP 43.) (then stop to read
124	13.14			Evacuation Sirens in Lake Isabella 3 Minute Steady Siren Indicates Dam Failure. Evacuate to Higher Ground Immediately. For Evac. Info. Tune to 102.5 FM / 1140 AM Ten Second Test Conducted Sunday 1:30 PM	(at cp 43, above, this sign will be right in front of you.)
125	13.17			LEFT at STOP.	(comes up quickly.)
126	13.22			Course Control at "Speed Limit 40."	(CP 44 - on course.)
127	13.55			"Fubar." A 50 minute lunch break has been included between here and RI 132. (Please see map next page.)	(hope you are not.)
128	14.06			"Lake Isabella."	
129	14.68			STRAIGHT at TRAFFIC LIGHT (elizabeth norris).	
130	15.30			STRAIGHT at TRAFFIC LIGHT (erskine creek).	
131	16.05			STRAIGHT at TRAFFIC LIGHT.	
132	16.62 /0.00	15:47:00		RESTART at "Moose."	(CP 45.) (It is less than 90 miles to the next break and less than 155 miles to Finish.)



RI	ОМ	CZT	Target Time	Instruction	Additional Info
152	17.58			RIGHT at T.	(CAUTION!!! - cross traffic does not stop.)
153	17.60			Course Control at "California 178."	(CP 50 - on course.)
154	21.29			"White Blanket Road."	
155	24.53			"Death Vly 106."	
156	28.87			SIGN indicating car being chased by tire-biting snakes.	
157	31.74			"Walker Pass Neighborhood" SOL .	
158	34.15			"Walker Pass Campground."	
159	34.35	16:29:00		CHECKPOINT at "Walker Pass Neighborhood."	(CP 51.) (watch your mirrors.)
160	34.53	16:29:30		CHECKPOINT at "25 MPH." Use paved shoulder.	(CP 52.) (watch your mirrors.)
161	35.16	16:31:15		(JUST OVER crest of pass) CHECKPOINT at "Point of Historical Interest" small brown SOL. (watch mileage.)	(CP 53.) (To cross CP, move right onto PAVED SHOULDER as you reach the crest. Watch out for parked cars.)
				(This is Walker Pass, el. 5250 ft.)	as you rejoin traffic.)
162	37.54	16:34:00		CHECKPOINT at "4% Grade 6 Miles." Use shoulder.	(CP 54.) (watch your mirrors.)
163	43.05			5 th "Runaway Truck Ramp."	
164	43.30	16:40:00		CHECKPOINT at "Bishop Mojave" Use Shoulder.	(CP 55.)
165	43.47			(Before STOP) RIGHT (use turn pocket - toward Mojave).	(yield at merge.)
166	43.73			Course Control at "Mojave 41."	(CP 56 - on course.)
167	47.40			"Robber's Roost."	(sign parallel to road.)

RI	ОМ	CZT	Target Time	Instruction	Additional Info
187	79.53			"Exit 73 California City Blvd." 20 minutes have been included between here and RI 200 for a break. (Most services are in Mojave after RI 192.)	(There is a Shell station at this exit.)
188	81.11			"Bishop."	(small street sign.)
189	82.18			"South California 14."	(mojave spaceport and aircraft storage on your left.)
190	84.45			"14 South Los Angeles Left Turn ½ Mile."	
191	84.96			LEFT at TRAFFIC LIGHT after "only only only" (toward Los Angeles).	
192	85.09			Course Control at "Speed Limit 45." (Services are all on your left - AM/PM, Denny's, Chargepoint, Shell, Subway, Carl's Jr., Chevron, Valero, Starbucks, McDonald's, Jack in the Box, Wienerschnitzel, Fastrip (cheapest), Mobil.)	(CP 58 - on course.) (It is less than 60 miles to the final timed checkpoint and less than 65 miles to Finish.)
193	85.61			STRAIGHT at TRAFFIC LIGHT.	
194	85.72			"Kern County Special Waste."	
195	86.29			STRAIGHT at TRAFFIC LIGHT (toward "south 14 los angeles").	
196	87.28			Course Control at "Camelot Blvd."	(CP 59 - on course.)
197	88.67			"Exit 64 Silver Queen Rd 1 Mile."	
198	89.69			BEAR RIGHT at EXIT 64 (exit freeway).	
199	90.00			RIGHT at STOP.	
200	91.098 /0.00	17:49:00		RESTART at "MRC Rock & Sand."	(CP 60.)

RI	ОМ	CZT	Target Time	Instruction	Additional Info
218	20.19			STRAIGHT at STOP (avenue f).	(CAUTION!!! - cross traffic does not stop.)
219	21.19			STRAIGHT at STOP (avenue g).	(CAUTION!!! - cross traffic does not stop.)
220	22.13	18:16:45		CHECKPOINT at "Avenue H."	(CP 68.)
221	23.12	18:18:15		CHECKPOINT at "Avenue I."	(CP 69.)
222	24.11	18:19:45		CHECKPOINT at "Avenue J."	(CP 70.)
223	24.21			STRAIGHT at STOP (avenue j).	
224	25.21			STRAIGHT at AVENUE K.	
225	26.34	18:22:45		CHECKPOINT at "Right Lane turns."	(CP 71.)
226	26.56	18:23:30		CHECKPOINT at "Right Lane turns."	(CP 72.)
227	26.96			Course Control at 4 th "Right Lane must."	(CP 73 - on course.)
228	27.22			STRAIGHT at STOP (columbia).	
229	28.61	18:27:00		CHECKPOINT at "Right Lane must."	(CP 74.)
230	29.04			RIGHT at STOP (60th st west).	
231	32.19			RIGHT at STOP (elizabeth lake rd).	
232	32.86			4	
233	32.94			LEFT on Bouquet Cyn Rd. (toward Saugus and Los Angeles).	(comes up quickly.)
234	33.812 /0.00	18:36:00		RESTART at SECOND "Do Not Pass". (Watch mileage.)	(CP 75.)
235	2.44			"Angeles National Forest."	

THUNDER ROAD 2023 Route Instructions Page 18 of 18

RI	ОМ	CZT	Target Time	Instruction	Additional Info
259	23.82			Course Control.	(CP 85 - on course.)
260	23.83			RIGHT into parking lot.	(immediately.)
261		19:20:00		Park and please join us inside for the FINISH. BLACK BEAR DINER 23626 Valencia Bl. Santa Clarita, CA 91355.	

This event would not be possible without your participation and support. Thank you.

We sincerely appreciate your being here. We hope to see you tomorrow for TWO LANE BLACKTOP. It's still possible to register for it if you haven't already.

Please join us in August for a another DOUBLE RALLY WEEKEND from CalClub and Santa Monica Sports Car Club here in Southern California (Highway Robbery National Course rally from Jeanne English on Aug. 19 and Stagecoach from Larry Scholnick on Aug. 20), and then yet another DOUBLE RALLY WEEKEND from the San Francisco Region up in Sacramento a week later (Golden West National Course rally from Andy Stocker on Aug. 26 and Gold Rush National Tour rally from Stu Helfer on Aug. 27).