



INTRODUCTION TO TSD ROAD RALLY 101



Definition: A TSD rally is a precision-based competition where a driver and navigator must stay on a specific route, over many miles and arrive at unknown location checkpoints at specific times.

**It is not about going as fast as you can,
it's about arriving at a previously unknown location as accurately as possible.**

THIS IS NOT FAST AND FURIOUS 6 OR THE CANNONBALL RUN

ROUTE INSTRUCTIONS – OR WHICH WAY DO WE GO?





ROUTE INSTRUCTIONS

21.	LEFT on Greenwood Rd.
22.	LEFT after Bridge. CAST 35
23.	RIGHT on Hunting County Rd.
24.	ACUTE LEFT first opportunity after crossing Johnson Rd.
25.	RIGHT after crossing bridge CAST 45
26.	RIGHT First Opportunity after "Oleson Dr"
27.	PICK UP Luther Durham Rd
28.	RIGHT on Landrum Mill Rd.
29	LEFT on Hulon Howard Rd.

GLOSSARY OF TERMS

RIGHT / LEFT TURN: A turn from 1 to 90 degrees in the direction indicated at an Intersection.

Turn LEFT after
Bob's Tree Removal Service



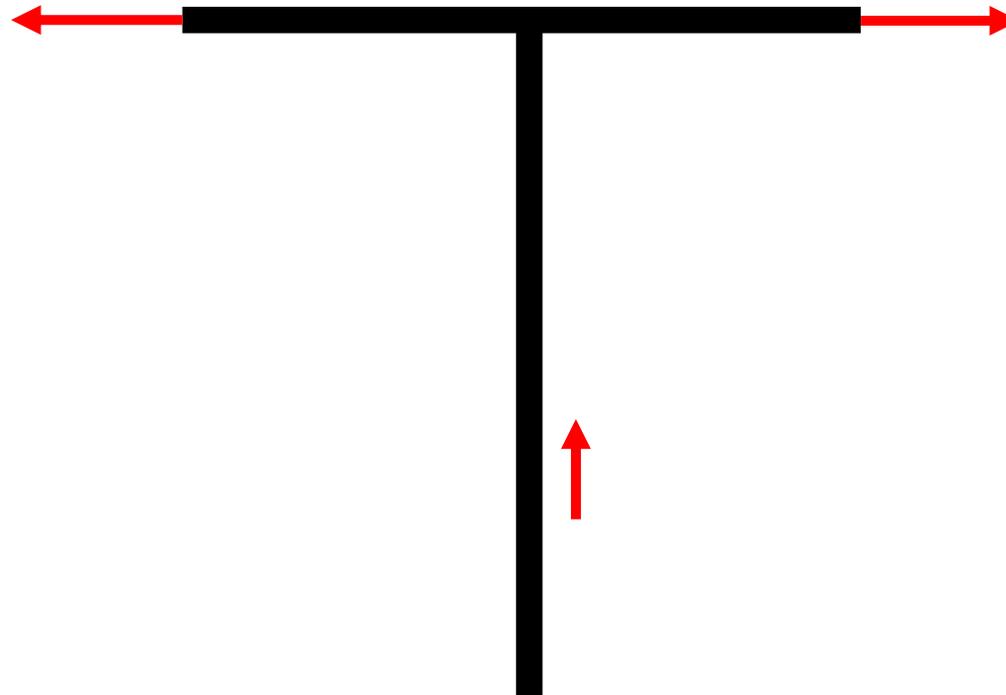
Bob's Tree
Removal Service

Turn RIGHT at Bob's Tree Removal Service

GLOSSARY OF TERMS

RIGHT / LEFT At T: A turn LEFT or RIGHT at an intersection, where the road you are on ends and the crossroad makes the intersection look like the letter **T**.

Instruction:
LEFT at T



Instruction:
RIGHT at T

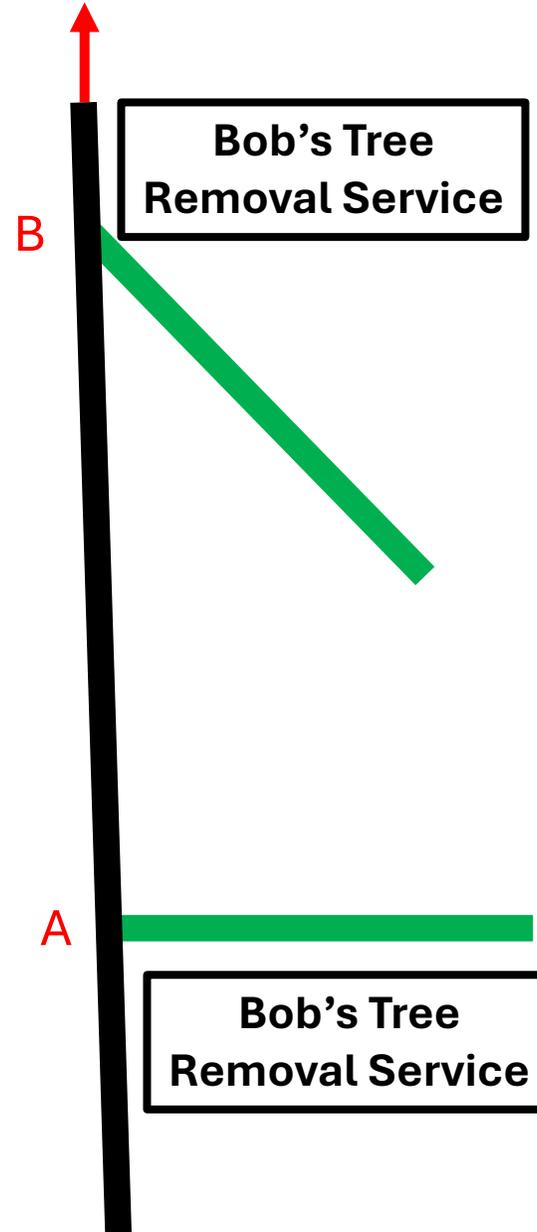
GLOSSARY OF TERMS

Acute Right (Acute Left):

A turn from 91 to 179 degrees in the direction indicated at an Intersection.

Instruction:

Turn ACUTE RIGHT at “Bob’s Tree Removal Service”





GLOSSARY OF TERMS

PICK UP: As you cross an INTERSECTION, the road changes names on the other side of the intersection.

16. LEFT on STOKES RD. CAST 35

17. At STOP sign continue thru INTERSECTION

and PICK UP Hawkins Rd.





GLOSSARY OF TERMS

ROADS:

Roads requiring an illegal entry, requiring an illegal turn, marked "KEEP OUT", "DEAD END", "NO OUTLET", "ROAD CLOSED", PRIVATE, PVT, etc. and DRIVEWAYS are not to be considered as opportunities to turn.

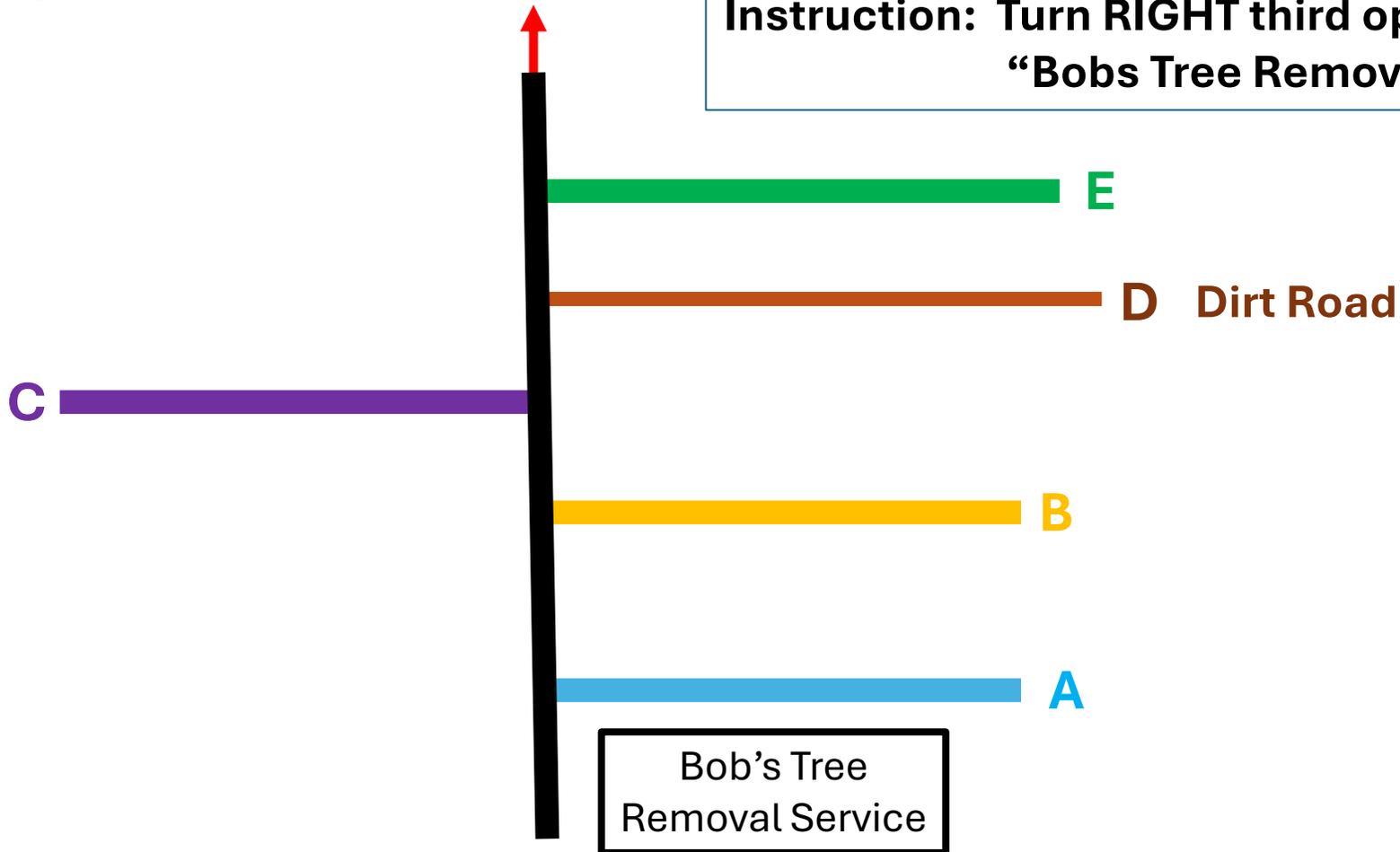
Unpaved/gravel roads are not to be considered as opportunities to turn.

For the purposes of this TSD Rally all road types mentioned above, **DO NOT EXIST.**

GLOSSARY OF TERMS

OPPORTUNITY: Where you are in a situation that makes it possible to do something that you want to do or have to do.

Instruction: Turn RIGHT third opportunity AFTER “Bobs Tree Removal Service”



GLOSSARY OF TERMS

SIGNS AND OBJECTS:

Quoted material in the route instructions refers to information on signs.

Signs may be quoted in full or in part.

Parts of words or parts of numbers will not be used.

Words or numbers will not be scrambled or rearranged.

All signs and objects will be of a permanent nature.

Mailboxes, newspaper delivery boxes, their supports and signs and objects attached to them will not be used.

All signs and objects will be visible within 90 degrees of straight ahead. There will be no LOOK BACKS.



GLOSSARY OF TERMS

BRIDGES



GLOSSARY OF TERMS

BRIDGES



GLOSSARY OF TERMS

BRIDGES





GLOSSARY OF TERMS

Execution of Instructions:

- 1. Execute instructions in the order presented.**
- 2. Complete each instruction before executing the next.**
- 3. Speed changes may overlap several instructions.**
- 4. You may have multiple instructions after that, but you maintain your same speed until the next CAST instruction.**
- 5. Example – Route Instruction says: “Right at T. CAST 45.” You turn Right at the T intersection and change your average speed to 45 mph. Then you have to execute 2 more turns, while still averaging 45 mph.**



TIMING

This rally will be timed to the MINUTE.

When your TIME CARDS are scored, you will receive 1 point for every MINUTE you are EARLY or LATE at a CHECKPOINT. Like golf, the team with the low score is the winner.

As previously stated, when you reach a CHECKPOINT, have the Navigator write down your arrival time on the TIME CARD for that CHECKPOINT.

Add two minutes to your ARRIVAL TIME. That will be your DEPARTURE TIME.

Scoring is for each leg between CHECKPOINTS, which for timing purposes are separate. If you arrive at a CHECKPOINT 5 minutes late, the lateness does not carry over to the next stage and cannot be made up.

CHECKPOINTS

CHECKPOINTS:

INSTRUCTION # 53. Fire station 36 is CHECKPOINT #3 Take a picture of the sign

Write down your arrival time

**Add TWO MINUTES to your arrival time.
That is your DEPARTURE TIME**





CHECKPOINTS

TIME CARD:

CAR:	
DRIVER	
NAVIGATOR	

	CHECKPOINT #1	CHECKPOINT #2	CHECKPOINT #3	CHECKPOINT #4
ARRIVAL TIME				
DEPARTURE TIME				

NAVIGATOR SIGNATURE:

TIMING

TIMING:

**In the interests of safety,
whenever you STOP at a STOP sign,
add 15 SECONDS to your route time.
That way you will not have to speed
to catch up to your AVERAGE SPEED
as stated in the ROUTE INSTRUCTIONS.**





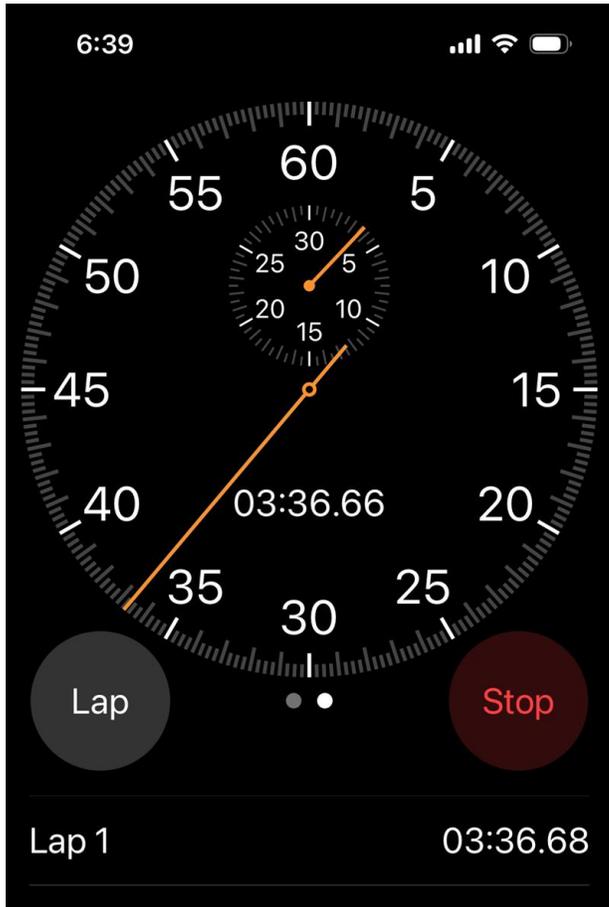
TSD TABLES

SPEED 25 MPH			SPEED 30 MPH			SPEED 35 MPH			SPEED 40 MPH			SPEED 45 MPH			SPEED 50 MPH			SPEED 55 MPH		
Mile	Min.	Sec.																		
0.1		14	0.1		12	0.1		10	0.1		09	0.1		08	0.1		07	0.1		07
0.2		29	0.2		24	0.2		20	0.2		18	0.2		16	0.2		14	0.2		13
0.3		43	0.3		36	0.3		31	0.3		27	0.3		24	0.3		22	0.3		20
0.4	1	58	0.4		48	0.4		41	0.4		36	0.4		32	0.4		29	0.4		26
0.5	1	12	0.5	1	00	0.5		51	0.5		45	0.5		40	0.5		36	0.5		33
0.6	1	26	0.6	1	12	0.6	1	02	0.6		54	0.6		48	0.6		44	0.6		39
0.7	1	41	0.7	1	24	0.7	1	12	0.7	1	03	0.7		56	0.7		50	0.7		46
0.8	1	55	0.8	1	36	0.8	1	22	0.8	1	12	0.8	1	04	0.8		58	0.8		52
0.9	2	10	0.9	1	48	0.9	1	32	0.9	1	21	0.9	1	12	0.9	1	05	0.9		59
1	2	24	1	2	00	1	1	43	1	1	30	1	1	20	1	1	12	1	1	05
2	4	48	2	4	00	2	3	26	2	3	00	2	2	40	2	2	24	2	2	11
3	7	12	3	6	00	3	5	09	3	4	30	3	4	00	3	3	36	3	3	16
4	9	36	4	8	00	4	6	51	4	6	00	4	5	20	4	4	48	4	4	22
5	12	0	5	10	00	5	8	34	5	7	30	5	20	40	5	6	00	5	5	27

TSD TABLES

22.	LEFT after Bridge. CAST 45
23.	RIGHT on Hunting County Rd. CAST 50

3.2 MILES



SPEED 45 MPH		
Mile	Min.	Sec.
0.1		08
0.2		16
0.3		24
0.4		32
0.5		40
0.6		48
0.7		56
0.8	1	04
0.9	1	12
1	1	20
2	2	40
3	4	00
4	5	20
5	20	40

.16
 4.00

 4.16 Official

3.36 Actual

**40 Seconds
 Early**

THINGS YOU NEED TO BRING

1. **A CAR, a DRIVER and a NAVIGATOR.** Solo drivers are not permitted.
2. **Your cell phones, as you will need them to take pictures of CHECKPOINTS and there are some Real nifty stopwatch functions in there.**
3. **A clipboard to hold down the route instructions.**
You don't want them blowing out of the car.
4. **A note pad for the navigator to do the TSD computations on.**





FUTURE DATES

1. PRACTICE RALLY – MARCH 14

START AT JUD'S BROWN BUILDING

REFRESHER CLASS @ 9:30

DEPART AT 10:00

2. TWIW RALLY – APRIL 11

START AT JUD'S BROWN BUILDING.

FIRST CAR OUT AT 9:30



QUESTIONS?