



Road Cycling Event Route Marking: The RouteArrows Method - Quick Checklist

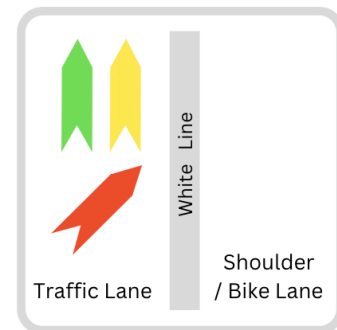


“Cyclists don’t make wrong turns, they miss the right one!”

Follow this easy checklist to confidently mark your event routes, helping you provide a safe and fun experience, so your riders come back again & again!

Road Cycling Route Marking Checklist: For Both Seasoned RD’s & New Volunteers!

- Mark Route(s) During Low-Traffic, Daylight Hours
 - Pro Tip: Place *RouteArrows* w/in 24 hrs of event for MAX visibility!
- Wear HI-VIZ Gear, Be Aware & Cautious of Traffic
 - Pro Tip: Bring Broom to sweep dust away before placing *RouteArrows*
- Groups of 2-3 are Best → Driver + Route Marking Team
 - Pro Tip: Navigator has cue sheet to check off completed turns
 - Pro Tip: Bring trash bags in the car to collect backing paper
- Place *RouteArrows* on Clean, Dry Pavement in Consistent Location
- Left of White Line: *“Put Arrows Where Tires Roll”*
 - Pro Tip: Mark any confusing (non-turn) locations & intersections as well!
- The RouteArrows Method = 5 Arrows Per Turn: 3 PRE (Before), 1 AT, 1 AFTER
- Place PRE-Turn & AT-Turn *RouteArrows* @ 45 Degrees*
 - *WHY? Riders easily see intended turn direction sooner!
- Place AFTER-Turn *RouteArrow(s)* within 2 ft!
- When Routes Diverge: (ex: 1 route turns, 2 continue) → → →
- “When you talk to One route - talk to All!”* (Place All Colors @ Route Splits)
- “FASTER” Option: (For Low Traffic Areas)**
 - Driver drops Team ahead of turns, waits after turn
 - Team places *RouteArrows* first → last
- “SAFER” Option: (For High Traffic Areas)**
 - Driver parks after the turn, Team gets out
 - Team places *RouteArrows* last → first, Facing traffic, quickly returns
- REMOVAL: *“Please Remove RouteArrows from Trails & Paths After Your Event!”***
 - When Route Marking: Fold under ¼ inch of Arrow tip creating a “Tab to grab”
 - See “Detailed Instructions” for more Removal Info & Methods!



Thanks for choosing *RouteArrows*, a Family-Owned Business!

Feel free to give us a call with any questions, we're here to help!

Randall and Roslyn - RouteArrows.com - *A Dad-Daughter Duo* - 650 429 8859



Road Cycling Event Route Marking:

The RouteArrows Method - Detailed Instructions

“Cyclists don’t make wrong turns, they miss the right one!”

Share these Detailed Instructions with your Route Marking Team so they can create incredibly well marked routes, and you receive rave reviews!

Road Cycling Route Marking Instructions: *RouteArrows*, the...“S.A.F.E.R.”...way to go!

Safety First

- Mark your routes during low-traffic, daylight hours. Be aware and courteous of traffic, and wear Hi-Viz gear!
- Teams of 2-3 are best. One driver, and one or two people to dispense *RouteArrows* (using a RouteCan), place then press them down with foot stomps.
- To maximize speed, the driver drops off the route marking team ahead of turns, drives ahead, waits and picks them up after the turn. This minimizes walking time.
- To maximize safety, the driver parks after the turn, then the Route Marking Team places arrows last to first, always facing traffic, then quickly returns to the car.

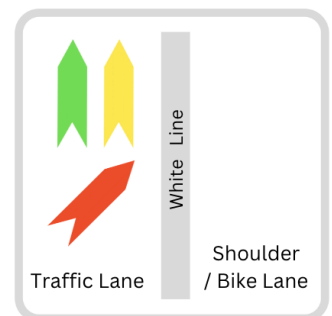
KEY: Place *RouteArrows* within 24 hrs of your event for maximum arrow visibility!

Pro Tip: Have each team bring a cue sheet to check off the turns as they go!

All *RouteArrows* are placed Left* of the White Line (LWL)!

RouteArrows placed LWL will have these benefits:

1. Be in a consistent location
2. Wear away faster from traffic - *“Put Arrows Where Tires Roll!”*
3. Stick better to the cleaner, smoother pavement
4. Grab cyclists’ attention in their “Zone of Awareness”
 - a. *RouteArrows* placed in bike lanes / shoulder zones are not as quickly seen by riders in the back of a group.



When There is No White Line: Place *RouteArrows* 3+ ft to the left of the road edge.

*Only Place *RouteArrows* Right of WL / Out of Traffic *IF* rain is forecast to increase arrow “lifespan”. Wet arrows are worn away very quickly!

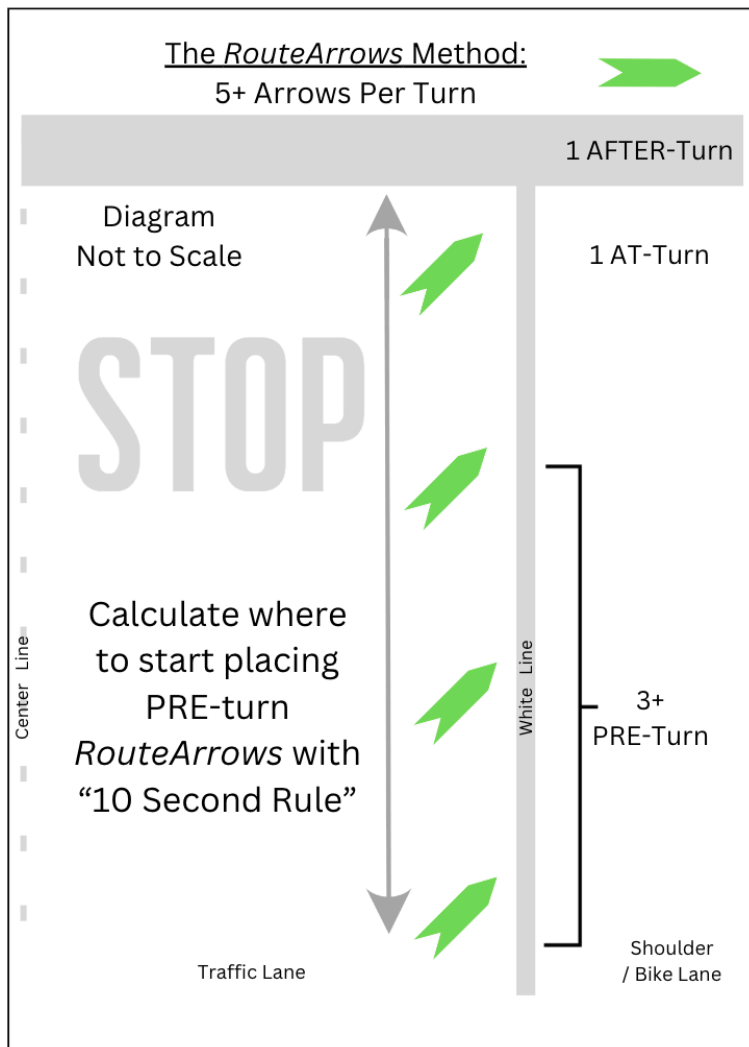
IMPORTANT: *RouteArrows* must be placed on clean and dry pavement. *RouteArrows* will not stick to damp, dirty surfaces, gravel or grass. When placing *RouteArrows* on rough “chip seal” pavement, use additional foot stepping / pressure to increase the surface bond.

Pro Tip: Do **NOT** Place *RouteArrows* **ON** the **White Lines**. The **White** background reduces contrast / visibility for most colors, and they’re also harder to remove.

Five+ *RouteArrows* Per Turn (of Each Route Color*)!

The *RouteArrow* Method: The Goal is to be Generous & Consistent!

- NOTIFY (PRE): **3+** *RouteArrows* evenly spaced out, before the upcoming turn.
- SHOW (AT): **1** *RouteArrow* at the turn (just before the STOP line if present).
- CONFIRM (AFTER): **1** *RouteArrow* immediately after the turn, within **2 feet!**
 - This arrow *might* catch the attention of an errant rider who missed the turn, but arrows placed well past the turn never will.



"10 Second Rule"

GOAL = Give the riders 10+ seconds of advanced notice before the turn!

Determine where to **start** placing **PRE-Turn** *RouteArrows* by calculating distances based on a “fast rider speed” at each turn location, based on terrain and event type (10 mph = 15ft/second).

To Help Calculate: where to start placing PRE-turn *RouteArrows* use “fast rider speed”
@ 10 mph = 150 ft back
@ 15 mph = 225 ft. back
@ 20+ mph = 300 ft. back

To Help Measure Distance:
Walking Pace/2 large steps = about 5ft

→
*Use this 5+ Arrow Method for both single-route (one color) **and** multi-route events (all route colors in clusters).

Multi-Route Route Marking:

- When you have multiple routes, place *RouteArrows* in clusters “side by side”, evenly spaced (2-3 inches apart), NOT “nose to tail”.
- When your routes diverge (ex: 1 route turns, 2 continue) place all of your *RouteArrows* colors at route splits - “When you talk to One route - talk to All routes!”

Optional Marking Choices: TBD by Event Organizers

- AFFIRM: Place additional *RouteArrows* on long sections between turns and in confusing areas to tell riders: “You’re on the correct route, keep going!”
- HAZARDS: Use Red-Orange *RouteArrows* to create chevrons “V” right in front of road hazards, potholes, linear cracks etc. to highlight their location.

Pro Tip: When there is an instruction or line item on the cue sheet / GPS route, place *RouteArrows* there to confirm location and reduce confusion - “if it’s on the cue sheet, it’s on the ground” (i.e. Rest Stops, Vista Points, Summits, etc)

Pro Tip: Use a broom to sweep away debris and dust, and a bag in the car for collecting the *RouteArrows* backing paper!

Every PRE-turn & AT-turn *RouteArrow* Placed at a 45° Angle!

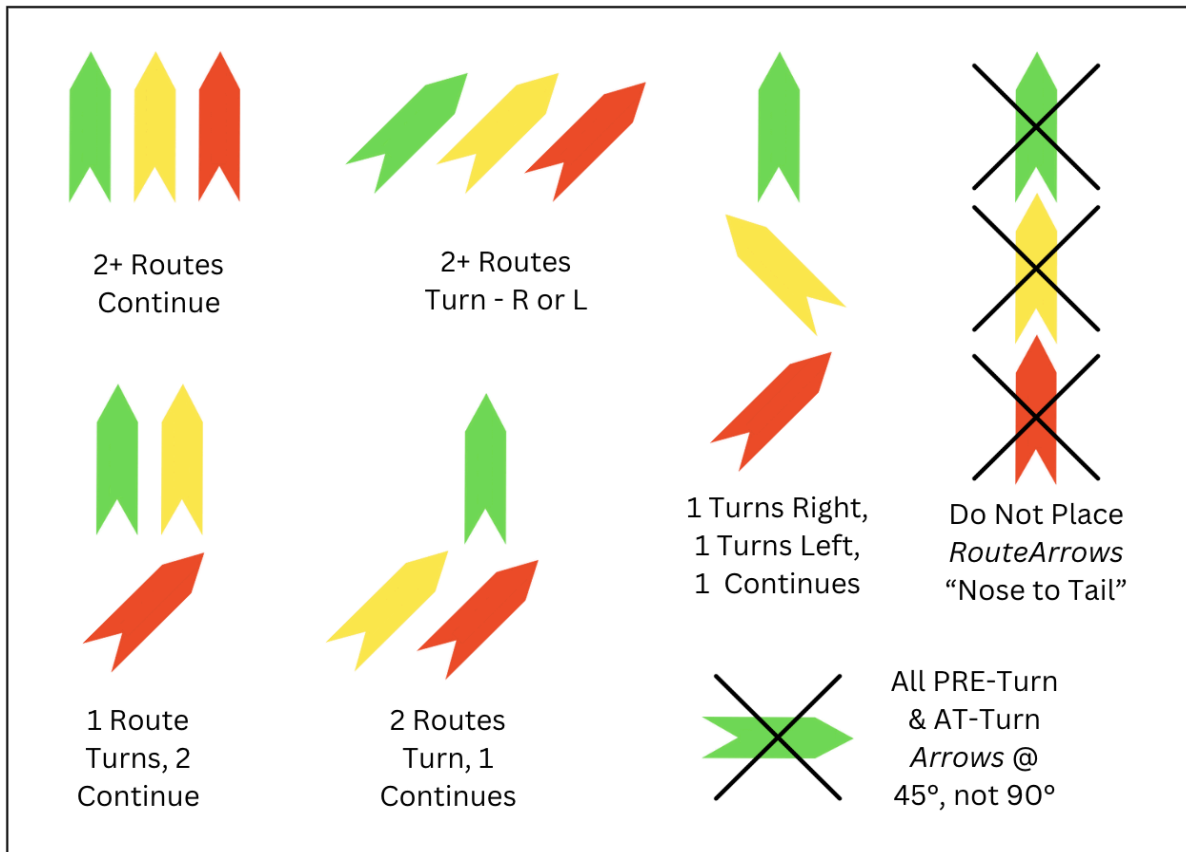
WHY? *RouteArrows* placed at 45° make the intended turn direction more obvious, and understood sooner! (Compared to arrows placed at 90° angle*)



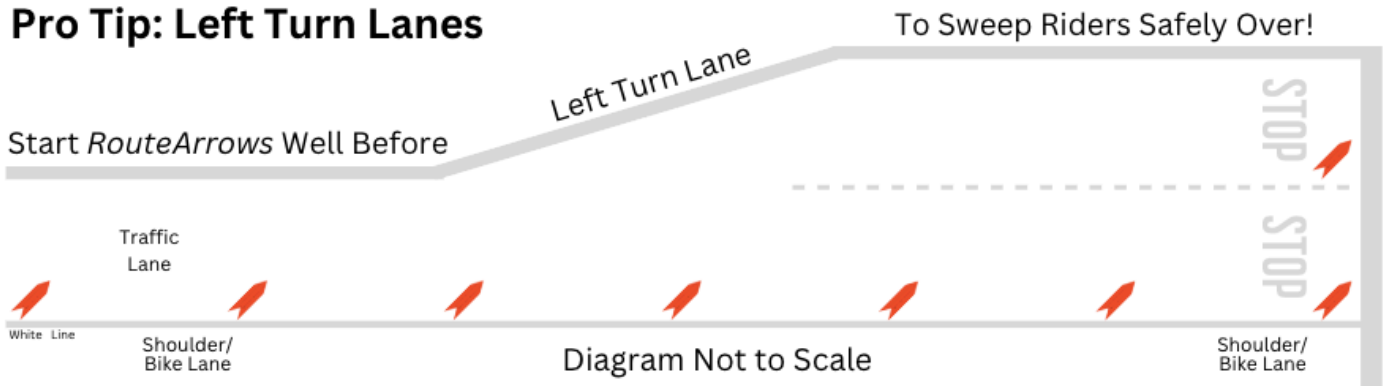
*AFFIRM and CONFIRM
(AFTER-Turn)
RouteArrows are
placed parallel
to the direction
of travel!

Working with 2+
Route Marking Teams:
Maintain a consistent
RouteArrow pattern /
layout (L to R) to reduce
rider confusion.

Pro Tip: Place *RouteArrows* in a consistent pattern, L → R = Long → Short Route, and side by side. *RouteArrows* placed “Nose to Tail” will blend together at low angles!



Pro Tip: Left Turn Lanes



- When sweeping riders over into a left turn lane, give them plenty of advanced notice to navigate across vehicle traffic.
- Use “10-Second Rule” from the beginning of the left turn lane and space pre-turn *RouteArrows* accordingly.
- Place left turn arrows at BOTH the left turn lane stop line and the right lane stop line to catch all riders!


Removal Instructions:

Like the Label on Every Roll of *RouteArrows* Says, “Please Remove *RouteArrows* from Trails, Paths and Pedestrian Areas After Your Event, Thank You!”

Removing *RouteArrows* in those areas is seen as being considerate of the local community, which will have a positive impact. Use these easy removal methods to simplify and speed up the process, and have your event welcomed back!

- **INTACT *RouteArrows*:** are undamaged, only exposed to little, if any, traffic.
- **WORN *RouteArrows*:** are well pressed into pavement, damaged by traffic, etc.

Pro Tip: Do This While Route Marking / Removing *RouteArrows* Right After Event!*

- Fold under ¼ inch of the *RouteArrow* tip creating a “Tab to Grab” ↪ 
- *Do this when removing **INTACT *RouteArrows*** immediately after your event. This method won’t work well with **WORN / OLD (2+ days) *RouteArrows***.

***RouteArrows* Removal Methods:** The Removal Team should prepare for removing both INTACT and WORN *RouteArrows*.

- **Method 1: Best when removing INTACT *RouteArrows* immediately after your event, and when you only have a FEW (<15?) *RouteArrows* to remove.**
 - Use fingers and/or a metal tool to peel/lift them off, from tip to tail.
 - Easier when *RouteArrows* have “Tab to Grab”! (See Pro Tip Above)
- **Method 2: Best when removing MANY (15+) *RouteArrows* - especially WORN, OLD (2+ days), well-stuck, damaged *RouteArrows*. (See our YouTube video)**
 - Use water and a wire brush to easily dissolve and destroy them. Get the arrow wet, then brush it into mush, and rinse away residue.
 - Bring refillable 1-5 gal jugs (Est. 25+ Arrows/gal) & squeezable bike water bottles are great for wetting the arrows!
- **Method 3: Best when you only need to remove a FEW (<15?) *RouteArrows***
 - Use 3in wide Gorilla brand tape / strong adhesive tape to lift arrows off.

Method 1



Method 2



Method 3

