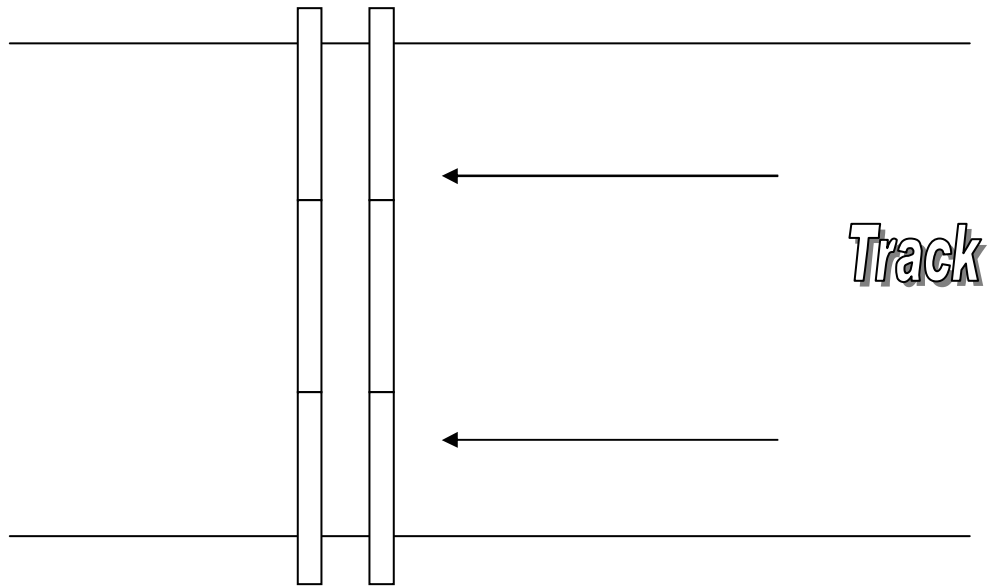


Finish Line Loop Setup



In the diagram above, the two rows of conduit are placed parallel across the track. The Loop lies inside the conduit and represents the finish line. This conduit must NOT be metal. One to two inch Schedule 40 PVC is recommended.

We suggest that your conduit be placed in a section of the track where the bikes are always on the ground. The speed of the finish line is not an issue. In fact, a faster finish line is better than a slow finish line.

A transponder must pass over the finish line to be detected. Any racer that goes around the finish line is not detected. Therefore, it is best to have a finish line in an area where your racers are almost always in full control of their bike. A finish line just after a jump or obstacle will result in racers going around the finish line loop.

Conduit Placement for Loop

The **loop** is the first step in setting up your Trackside Transponder scoring system. The **loop** is a small wire placed across the track and serves as the antennae for the scoring system. It should be placed in the ground in conduit and will act as the finish line for the scoring system. The **loop** will cross the track loop around and come back across the track. Two lines of conduit must run parallel to one another across the entire track maintaining an even 15 to 16 inch span. At the opposite end of the loop, you may place 90° elbows and connect the conduit together. The ends of the **loop** can be buried after you have made all the wire connections.

The conduit must be installed in a specific manner in order to get maximum performance.

Rules for placing conduit in preparation for Trackside Transponder scoring

- Use 1 to 3 inch Schedule 40 PVC
- Two lines of conduit should cross track at the finish line
- Conduit should extend at least 1 foot past the edge of each side
- Conduit should be within 12 inches of the surface. 8–10 inches deep is recommended
- Conduit should be parallel to one another 15-16 inches apart
- Each line should not exceed 40 feet in length
- All joints should be thoroughly glued
- Both ends should be protected from racers being able to run them over
- Keep conduit from lying directly on concrete floor if an indoor arena
- Set up the Reader outside of your finish line loop
- Transponder system will consider the center of the two lines to be the finish line

In order to obtain maximum performance from your scoring system, you should consider these rules for your finish line.

1. All bikes should be on the ground when crossing the finish line
2. Finish line area should be in a place where riders are in control of the motorcycle and less likely to get out of control and go around the finish line
3. It is better to have a fast finish line than a slow finish line
4. Finish line should be a hard packed, low-maintenance area of the track where machinery does not disturb the dirt as often as other areas