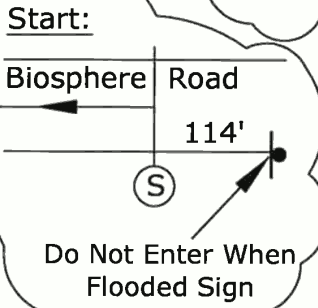
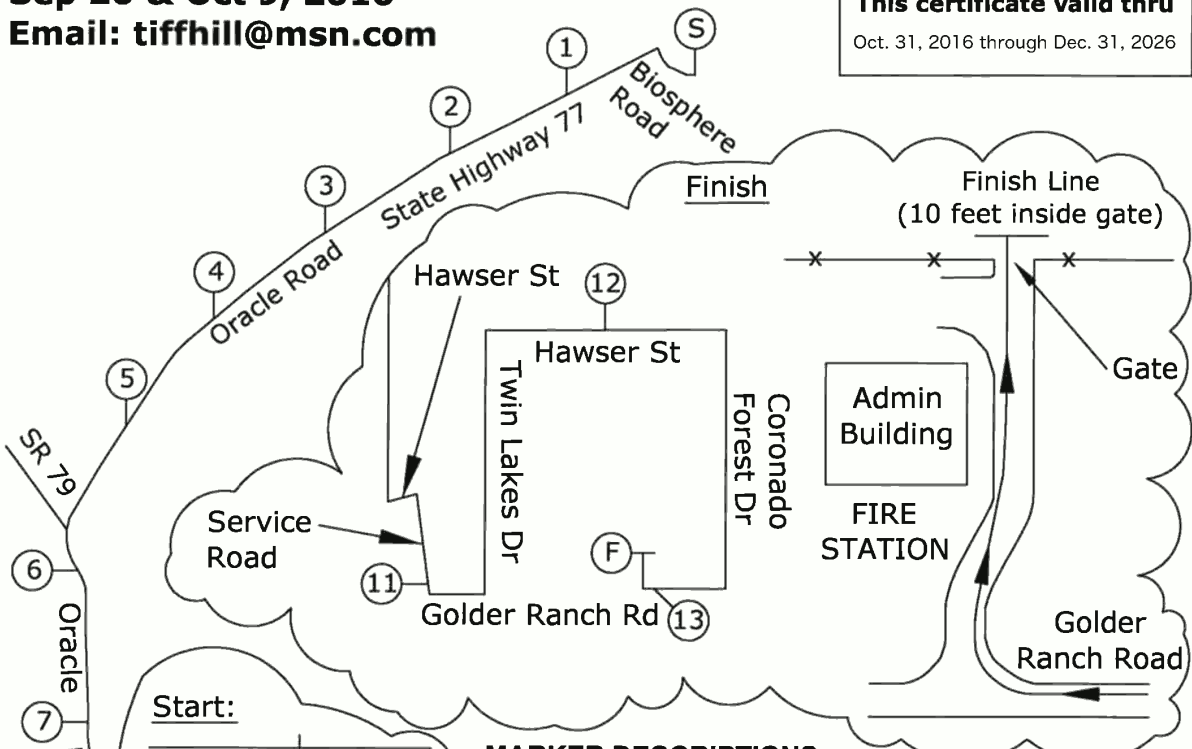


TUCSON HALF MARATHON

Measured by: Dave Hill
 Sep 26 & Oct 9, 2016
 Email: tiffhill@msn.com

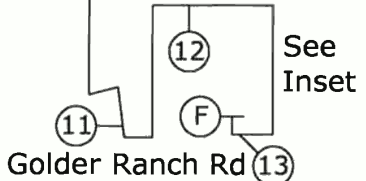
USATF CERTIFICATION
AZ16023JOE
 This certificate valid thru
 Oct. 31, 2016 through Dec. 31, 2026



Course is measured following the shortest possible route
 Runners will face traffic in all cases, except on Twin Lakes Dr., Hawser St., and Coronado Forest Dr.

MARKER DESCRIPTIONS

- All marks (except finish) are 3/8" bolt, painted green.**
- Start:** Biosphere Road, 114 ft west of "Do Not Enter When Flooded" sign.
 - Mile 1:** Oracle Road 20 yds north of cluster of 4 steel power poles.
 - Mile 2:** Oracle Road, 35 yds south of power pole.
 - Mile 3:** Oracle Road, 60yds south of poer pole.
 - Mile 4:** Oracle Road, 35 yds south of reflector post.
 - Mile 5:** Oracle Road, 35 yds north of power pole.
 - Mile 6:** Oracle Road, 1 yd north blue "FOOD" sign.
 - Mile 7:** Oracle Road, 23 yds north of power pole.
 - Mile 8:** Oracle Road, 5 yds south of "Right Turn Only" sign.
 - Mile 9:** Oracle Road, south end of catch basin.
 - Mile 10:** Oracle Road, 5 yds north of "No Motor Vehicles" sign.
 - Mile 11:** Start of curb return at south end service road.
 - Mile 12:** Hawser St, 5 yds east of mail box #3826.
 - Mile 13:** Golder Ranch Road, at mailbox #3903.
 - Finish:** Easternmost entrance to Golder Ranch Fire Station, 10 feet inside gate.





**Road Running Technical Council
USA Track & Field**

Measurement Certificate



Name of the course Tucson Half Marathon Distance 21.0975 km
 Location (state) Arizona (city) Oracle
 Type of course: road race calibration course track
 Measuring methods: bicycle steel tape electronic distance meter
 Measured by (name, address, phone & e-mail) Dave Hill, 7951 N. Rondure Loop, Tucson, AZ 85743
ph: (520) 572-8250 tiffhill@msn.com
 Race contact (name, address, phone & e-mail) Pam Reed, P.O. Box 13292, Jackson, WY 83002
(520) 403-3355
 Date(s) when course measured: September 25, 2016 and October 9, 2016
 Number of measurements of entire course: 2 Course Configuration: Point to Point
 Elevation (meters above sea level) Start 1152 m Finish 939 m Highest 1152 m Lowest 930 m
 Straight line distance between start & finish 14.48 km Drop 10.10 m/km Separation 68.63 %
 Type of surface: paved 100 % dirt _____ % gravel _____ % grass _____ % track _____ %
 Effective date of certification: October 31, 2016 Certification code: AZ16023JOE

Notice to Race Director: Use this Certification Code in *all* public announcements relating to your race.

Be It Officially Noted That

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If *any* changes are made to the course, this certification becomes void, and the course must then be recertified.

Verification of Course — In the event a National Open Record is set on this course, or at the discretion of USA Track & Field, a verification remeasurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

***This certification expires on December 31 in the year* 2026**

AS NATIONALLY CERTIFIED BY:

Digitally signed by Joseph Galope 10/31/2016 Date: 10/31/2016

 Joseph Galope – USATF/RRTC Arizona Certifier
 13240 N. 13th Lane, Phoenix, AZ 85029 (602) 380-4797 joe.galope@gmail.com