

Workarounds for OpenRoads Designer or OpenSite Designer 2024 Offsets to Referenced Geometry Display Distance from Beginning and Not the Station Along the Alignment

The picture below shows the issue stated in this very long title. The Start Station manipulator of a newly created offset geometry displays the distance from the beginning of the referenced geometry instead of the station.



This issue will be fixed in the 2025 versions of OpenRoads and OpenSite. Until then, there are two workarounds:

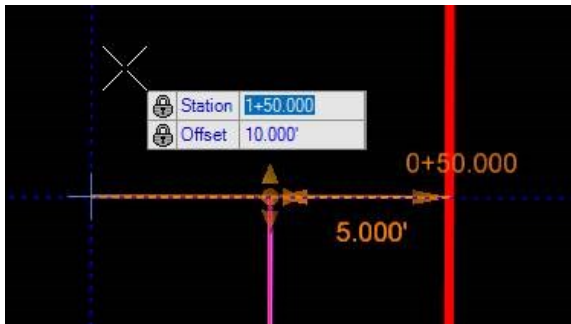
1. [Fix the Offset](#) (because I don't own the geometry file, someone else owns it); or
2. [Fix the Underlying Geometry](#) (because I own the geometry file).

Fix the Offset

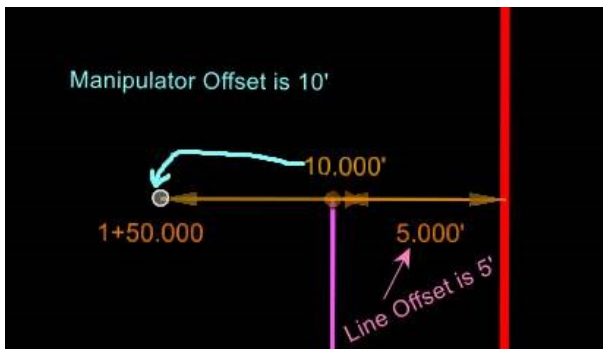
This workaround resets the offset manipulators in the active file to display the parent alignment stationing without editing the geometry itself.

In the file containing the offset geometry,

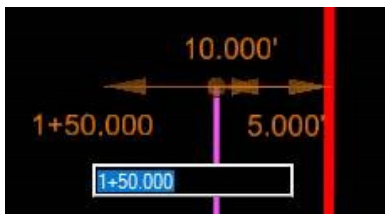
1. Toggle on Civil AccuDraw and select Station-Offset on the Civil AccuDraw toolbox.
2. Select the offset line.
3. Select the “Start Station” **Triangle** manipulator.
4. Move the mouse a bit to display the Civil AccuDraw heads up dialog. (the station value will be highlighted blue) – use <Tab> key to cycle through fields, if needed.
5. Use 'o' in the Civil AccuDraw Station field and select the referenced alignment to set the origin, if needed.
6. Enter the correct station value and <Enter>. (A lock symbol will appear in the station field; if the lock does not appear – go back and perform step 5)
7. Enter a manipulator offset that is different (larger) than the line offset and <Enter>. (A lock symbol will appear in the offset field) – both fields MUST be locked.



8. Left click to accept. Now the start station of the offset geometry matches the alignment station.



9. Make further adjustments to the start station using the station **Text** manipulator.



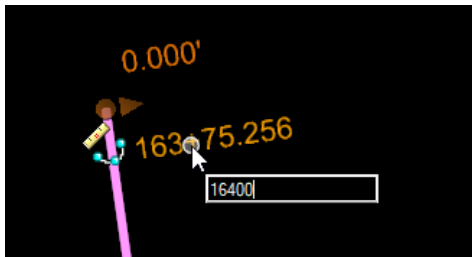
You can make this same change on the “End Station” triangle manipulator, if desired.

Fix the Underlying Geometry

This workaround resets the initial station of the geometry in the GEOM file to use the v2024 schema. The parent GEOM file must be edited by the file owner. Resetting the initial station of all alignments in a GEOM file allows offsets created in a different file to display stationing as their Start Station and End Station manipulator values. The result will be seen automatically in all files that reference the geometries contained in the reset GEOM file.

Edit the GEOM file containing the alignments and perform the following steps on each alignment that has an assigned starting station.

1. Select the alignment; make a note of the initial station value.
2. Select the "Starting Station" manipulator, type a *different* station value, and press <Enter>.



3. Save the file settings.
4. Select the alignment again.
5. Select the "Starting Station" manipulator, type the *original* initial station value, and press <Enter>.
6. Save the file settings.
7. Exit ORD/OSD.

Now when an offset is created that references that alignment, the Start and End Stations will be correctly reported.

