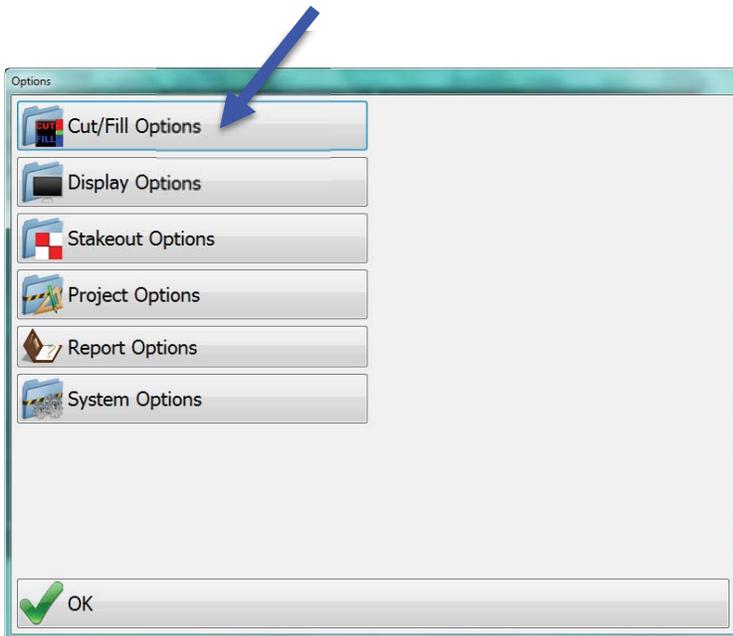
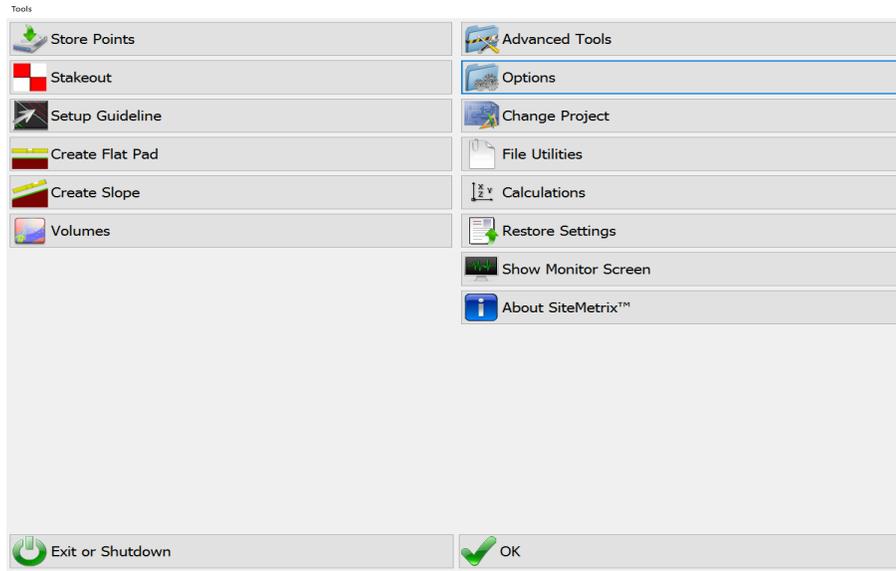
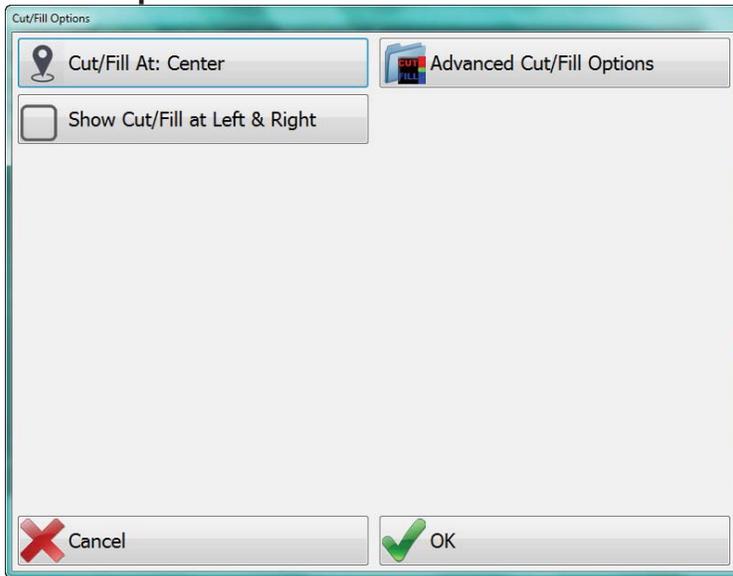


Options

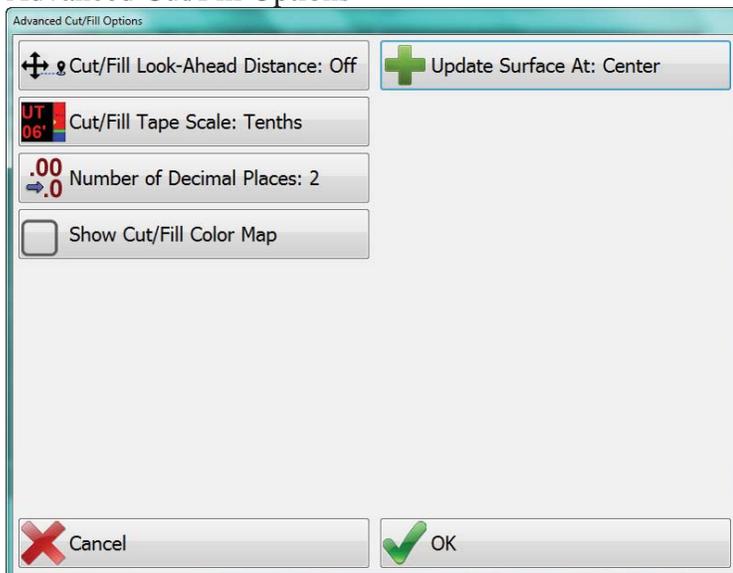
The options menu is used for customization of toolbar, cut/fill parameters and tolerances, units, languages and other operator settings.



Cut/Fill Options



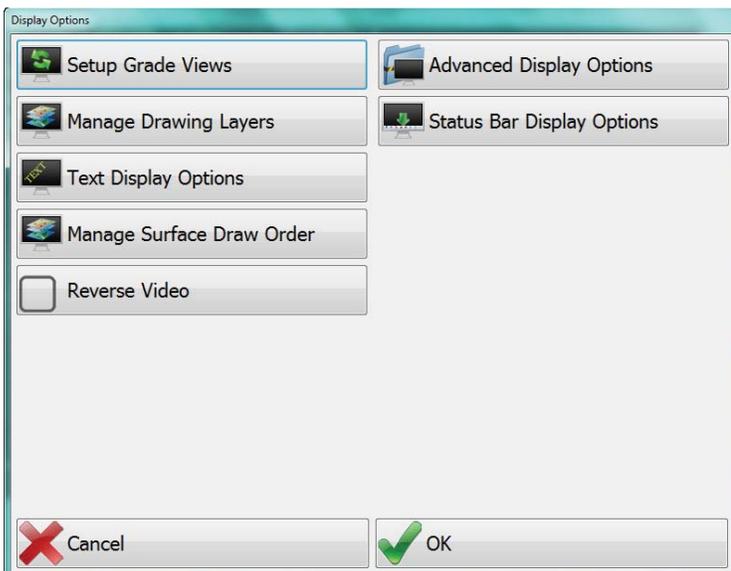
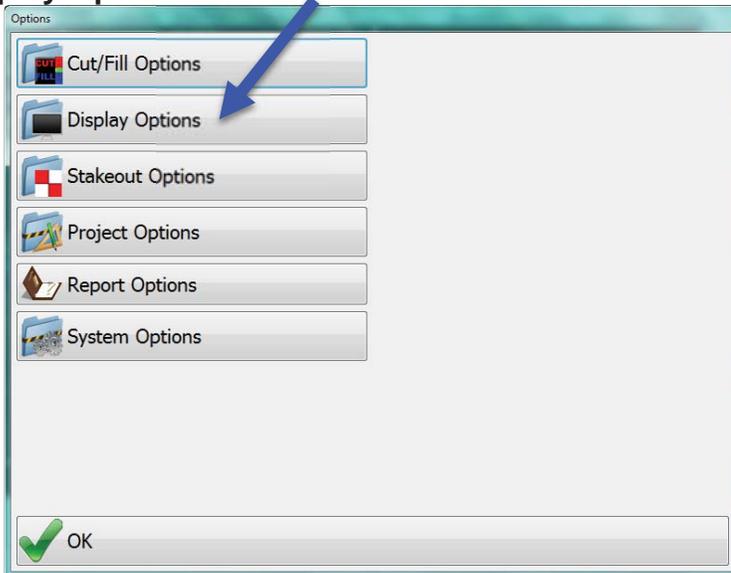
- a) Cut/Fill Location at Left, Right, and Center (Blade), Tracks (Arm Pivot), and Tracks (True GPS). Position at Tracks (Arm Pivot) is taken at the arm pivot position in the center of the vehicle. Position at Tracks (True GPS) is taken directly underneath the primary GPS antenna at Ground level. (GPS antenna – Vertical antenna offset)
- b) Dual Cut/Fill: Gives Cut/Fill to each side of Blade
- c) Advanced Cut/Fill Options



- ⇒ Cut/Fill Look-Ahead Distance:
 - Enter the projected Cut/Fill distance ahead in correlation with the machine heading. This option can provide an approximate Cut/Fill value to a design surface in advance of reaching the location.
- ⇒ Cut/Fill Color Map:
 - On/Off : Turns on a color map that represents cut/fill data from one pass to the next.
- ⇒ Cut/Fill Tape Scale:

- Tape margins in Tenths of a foot
 - Tape margins in hundredths of a foot
 - Tape margins in Millimeters
 - Tape margins in Centimeters
- ⇒ Number of Decimal Places:
- 1, 2, or 3 decimal places to show in the Cut/Fill data screen.
- ⇒ Update Surface At:
- This is location of where existing surface and/or Cut/Fill Color Map is updated.

Display Options



Setup Grade Views

- ⇒ Toggle on/off the views you want available for operators.
- ⇒ You can change the order at which the views are available when cycling through from the main screen

Manage Drawing Layers

⇒ Freeze and Thaw layers (CAD function) to choose what to show and what not to show in the plan view on the main screen. (Map View)

Text Display Options

Select Region/Language	Display Text: Large Font
<input checked="" type="checkbox"/> Vehicle Position	<input checked="" type="checkbox"/> Actual Elevation
<input checked="" type="checkbox"/> Design Elevation	<input checked="" type="checkbox"/> Design Cut/Fill
<input type="checkbox"/> Actual Cross Slope	<input type="checkbox"/> Design Cross Slope
<input type="checkbox"/> Actual Long Slope	<input type="checkbox"/> Design Long Slope
<input type="checkbox"/> Antenna Height	<input type="checkbox"/> Vehicle Azimuth
<input type="checkbox"/> Show Pass Count	<input type="checkbox"/> Vehicle ID
Position Display: Northing/Easting	<input checked="" type="checkbox"/> Show Quality
Cancel	OK

b)

⇒ Select Region/Language

⇒ Vehicle Position: Lat/Long position of vehicle

⇒ Design Elevation: Elevation at design surface in reference to vehicle position.

⇒ Actual Cross Slope: Left to Right slope value in percent or ratio

⇒ Actual Long Slope: Back to Front slope value in percent or ratio

⇒ Antenna Height: Antenna Height above existing terrain. (tracks)

⇒ Show Pass Count: Number of passes over a common grid that the vehicle has occupied.

⇒ Position Display:

- Northing / Easting
- Easting / Northing
- Chainage / Offset (guideline function)

⇒ Display Text:

- Small Font
- Large Font
- Extra Large Font

⇒ Actual Elevation: Elevation of Cut/Fill location at vehicle's current position.

⇒ Design Cut/Fill: Cut/Fill Value of current position in relation to design surface.

⇒ Design Cross Slope: Left to Right slope value in percent or ratio at current vehicle position in relation to design surface. (cross section)

⇒ Design Long Slope: Back to Front slope value in percent or ratio at current vehicle position in relation to design surface (profile section)

⇒ Vehicle Azimuth: Heading or Azimuth in Degrees

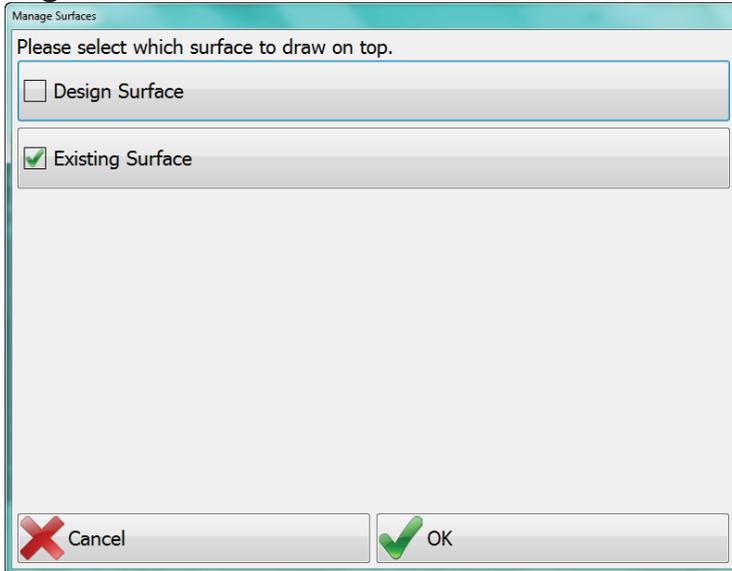
⇒ Vehicle ID: ID listed for Vehicle (equipment number for example)

⇒ Show Quality: Shows GPS Quality (Fixed, Float, Stand Alone)

c) Reverse Video:

⇒ Changes the display from Black to White background and vice versa for Daytime or Night viewing.

Manage Surface Draw Order



d)

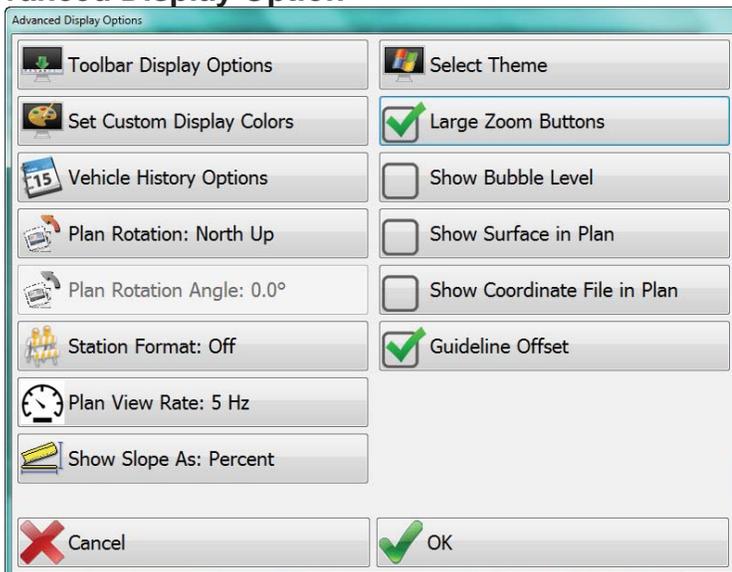
⇒ Draw Design Surface on top

⇒ Draw Existing Surface on top

Reverse Video

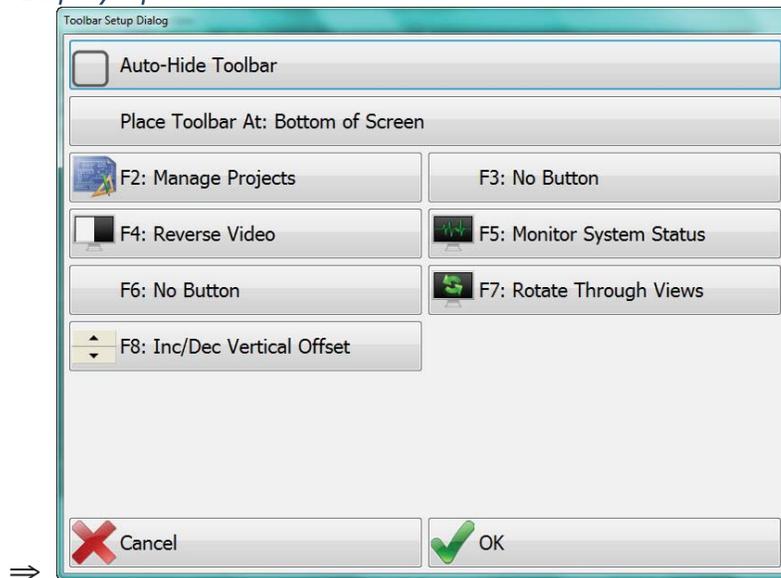
⇒ Reverse Video can be used to switch between daytime and nighttime shifts. The black background can be quickly switched to a white background to make visibility easier on a bright day.

Advanced Display Option



e)

Toolbar Display Options



- Auto-Hide Toolbar: The toolbar will disappear after 5 seconds to give operator more area on screen to view plan view data, etc. Please the “Menu” button on screen to bring toolbar back up momentarily.
- Place Toolbar At:
 - * Top of Screen
 - * Bottom of Screen
 - * Commander Style (7” widescreen Format”
- F2 – F8 toolbar buttons are configurable by selecting the button type from a list and pressing OK.

Set Custom Display Colors

- Change color of various entities so easier to recognize or see in the plan view screen. Images such as Cut, On Grade, Localization Point, etc can be customized with different user defined colors.

Vehicle History Options

- Quickly show a trace of where a vehicle has been over a user defined period of time.

Plan Rotation

- North Up: Vehicle moves on background while Plan View remains. Plan view is oriented with North at top of screen.
- Center Vehicle: Vehicle remains in center of screen while background updates.
- Moving Map: Vehicle remains in center facing top of screen while background updates and rotates depending on heading of travel.
- Custom Angle:

Plan Rotation Angle

- Enter the heading/azimuth degree to lock the plan at a custom angle.
-

Station Format

- 1+00 format
- 1+000 format
- 100 format
- BRG+DST (Bearing + Distance)
- OFF

Plan View Rate

- 1Hz, 2Hz, 5Hz, 10Hz, and 20Hz are available. Higher the number, faster the screen updates.

Show Slope As

- Percent: %
- Degrees: °
- Rise/Run: 3/1
- Run/Rise: 1/3

Select Theme

- Select a Microsoft windows theme for the system

Large Zoom Buttons

- Larger Zoom buttons for easier selection.

Show Bubble Level

- Will show Level bubble on main screen for body/house slope monitoring

Show Surface in Plan

- Shows a triangle mesh of the design surface. Indicates in the plan view location on design surface. This is a nice way to troubleshoot when in an area with no Cut/Fill data.

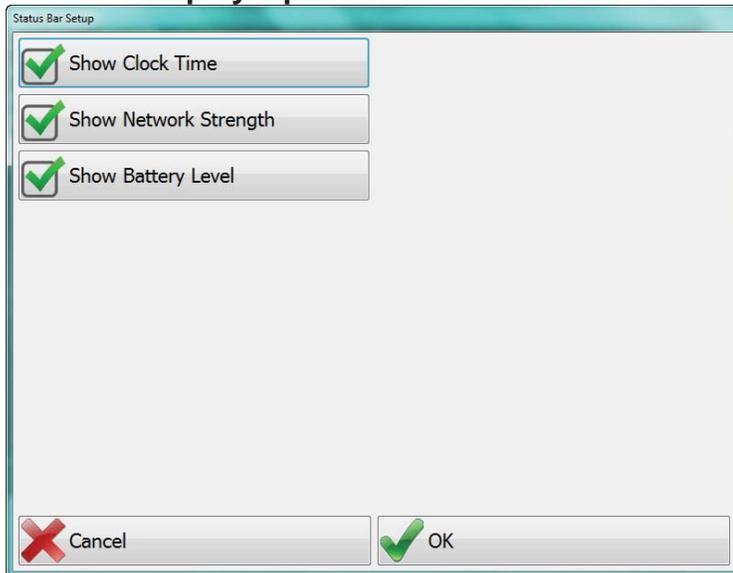
Show Coordinate File in Plan

- Coordinate file points will be visible in the plan view on main screen. Helps to show location of previously stored points.

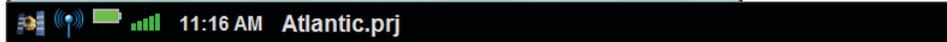
Guideline Offset

- On will provide distance from guideline when steering to Guideline is active

Status Bar Display Options



f)



⇒ Show Clock Time:

- Shows current time in status window

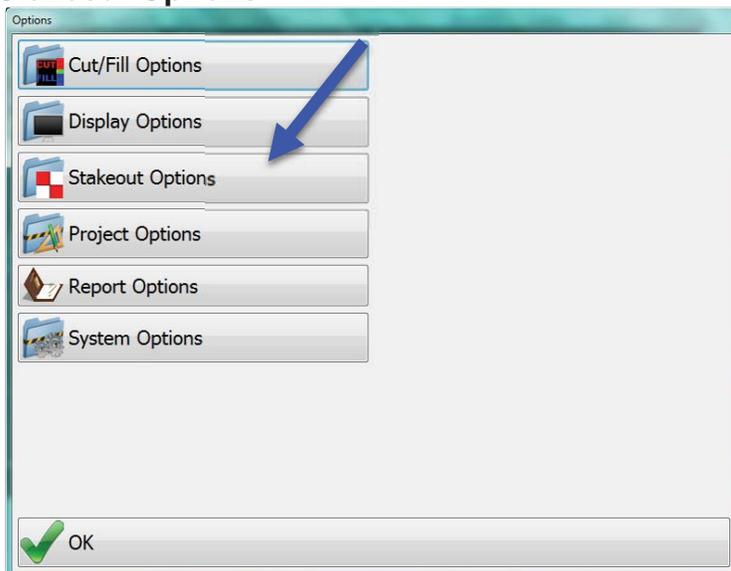
⇒ Show Network Strength

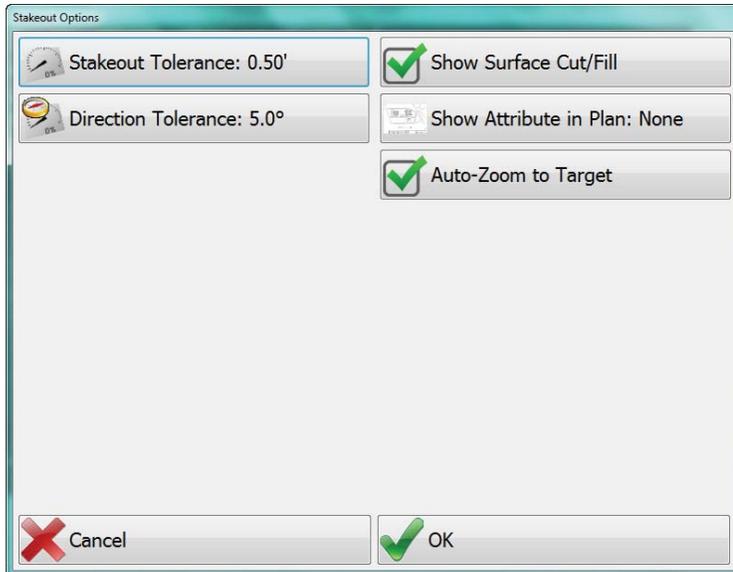
- Signal Bar strength shown in status bar. Also represents cellular signal strength if internal cellular modem is being used.

⇒ Show Battery Level

- Battery level icon visible in status bar

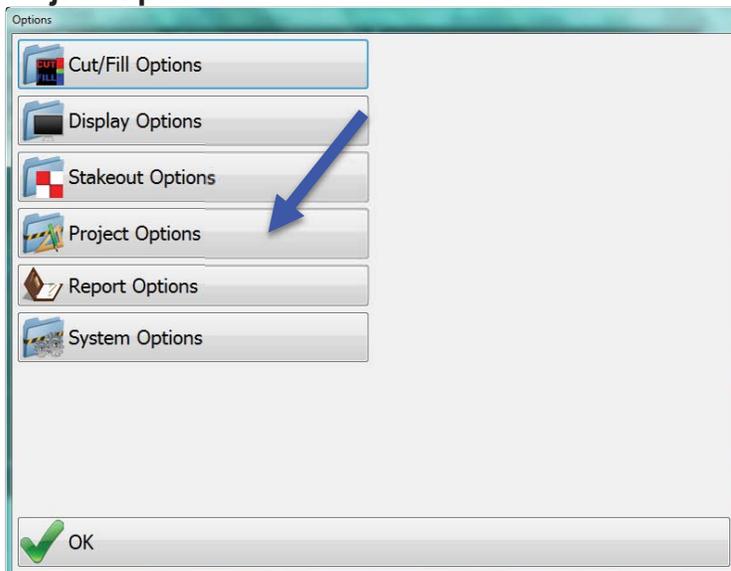
Stakeout Options

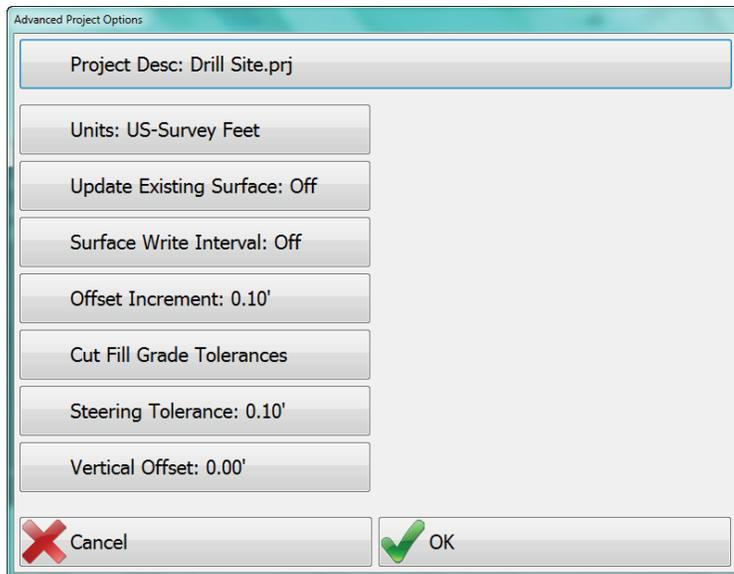




- g) Stakeout Tolerance:
 - ⇒ Tolerance of the target radius when the target (bullseye) will rotate. The rotating target indicates when the vehicle position is within this target radius.
- h) Direction Tolerance:
 - ⇒ Tolerance of the target when navigating to a angled hole.
- i) Show Surface Cut/Fill:
 - ⇒ Show Cut/Fill values when in Navigation screen.
- j) Show Attribute in Plan:
 - ⇒ Show Attribute when in Navigation screen.
- k) Auto-Zoom to Target:
 - ⇒ Feature turns on automatic zooming when navigating closer to the target.

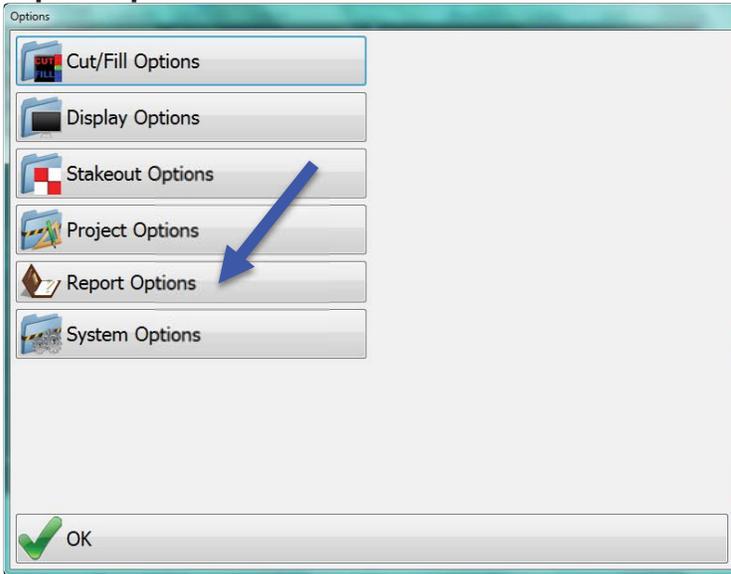
Project Options





- a) Project Desc:
 - ⇒ User defined description for loaded project. Shows in status bar in main screen.
 - b) Units:
 - ⇒ US-Survey Feet
 - ⇒ International Feet
 - ⇒ Meters
 - c) Update Existing Surface:
 - ⇒ Cut: Updates existing surface in Cut only
 - ⇒ Cut/Fill: Updates existing surface in Cut/Fill both
 - ⇒ Off
 - d) Surface Write Interval:
 - ⇒ User defined time period when surface is updated (ex: every 60 seconds)
 - e) Offset Increment:
 - ⇒ The vertical offset value will change at this amount when the vertical offset up/down arrows are pressed in main screen.
 - f) Cut/Fill Grade Tolerances:
 - ⇒ Select the color and tolerances of above/below grade (Cut/Fill) and also the On Grade width or tolerance.
 - g) Steering Tolerance:
 - ⇒ Enter Tolerance for steering to a guideline. On grade Indication (Left and Right) when guideline is turned on.
 - h) Vertical Offset:
 - ⇒ Value at which the vertical offset will be set each time the project is loaded.
-

Report Options



- a) Logo upload for reporting. Logo will appear in header of reports.