



## Workflow 7: Subexcavation Data Input

- 1. Select the "Subexcavation" worksheet. Subexcavation quantities may be calculated either by GEOPAK or by the user. Input the appropriate station range in columns F and H.
- 2. If GEOPAK calculated the subexcavation quantities, complete the following steps:
  - a. Input the "XSData" worksheet row number of the subexcavation beginning and ending stations in Columns A and B (yellow columns).
  - b. Input the subexcavation volumes that are either available for fill or unavailable for fill in Columns I and J.
  - c. Select the "XSData" worksheet tab. Copy the quantities of subexcavation material unavailable for fill (Column J) to the corresponding mainline station in Column "J" in the XSData worksheet.

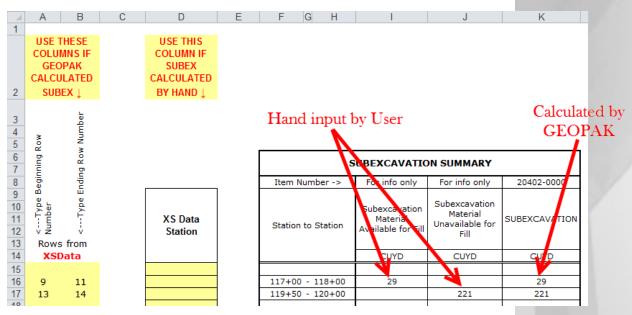


Fig. 12.7-1: Subexcavation Quantities Calculated By GEOPAK

- 3. If the subexcavation quantities were calculated by hand, complete the following steps:
  - a. Input the mainline station nearest to the subexcavation in Column D. This should be the same as the station used in the "XSData" worksheet.
  - b. Input the subexcavation volumes that are either available for fill or unavailable for fill in Columns I and J.
  - c. Input the total volume of subexcavation for each station range into Column K.





d. Select the "XSData" worksheet tab. Copy the total volume of subexcavation (Column K) into Column G in the XSData worksheet. Copy the Subexcavation material Unavailable for Fill (Column J) into Column J of the XSData worksheet. Overwrite the formulas used in the XSData worksheet for the subexcavation quantities calculated by hand.

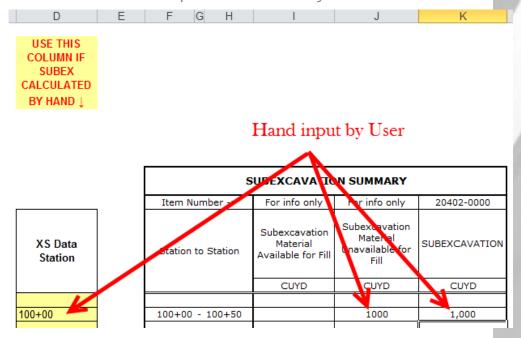


Fig. 12.7-2: Subexcavation Quantities Calculated By Hand